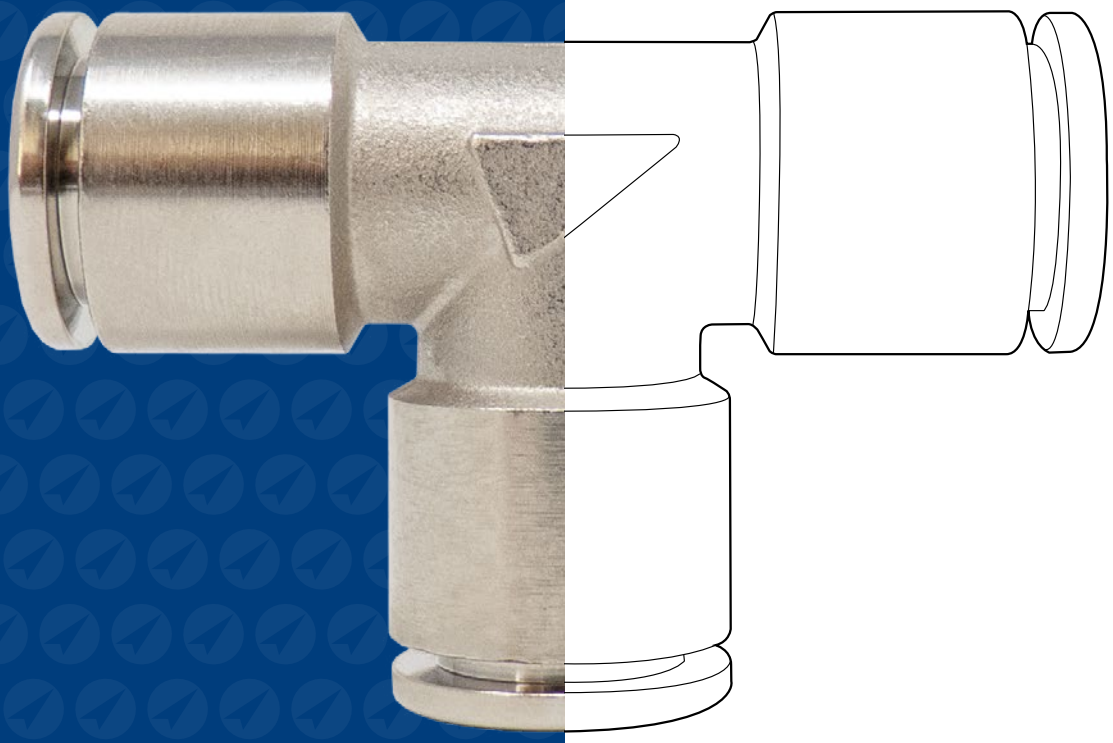
TierreFittings®

INDUSTRIAL AUTOMATION - HYGIENIC&FOOD - FOOD&BEVERAGE



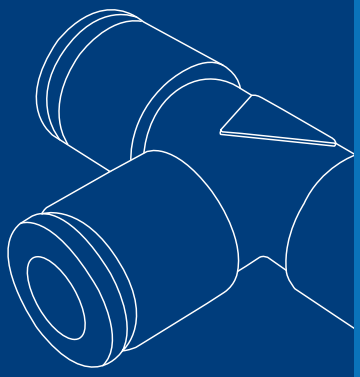
TierreGroup®

TierreGroup®

Always a fittings solution

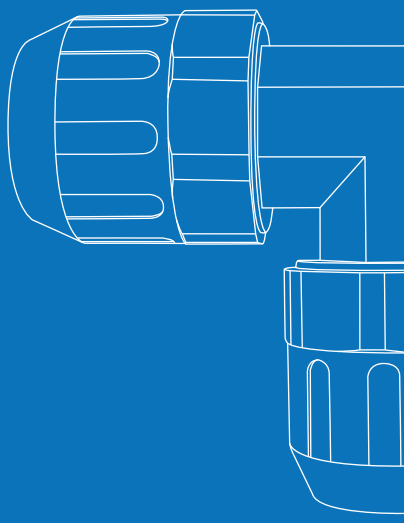
TierreFittings®

INDUSTRIAL AUTOMATION
HYGIENIC & FOOD
FOOD & BEVERAGE



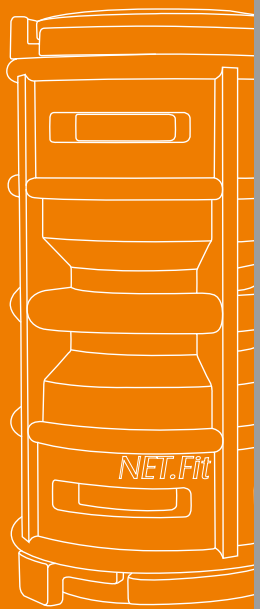
F-Line®.PRO

AIR DISTRIBUTION
NETWORKS



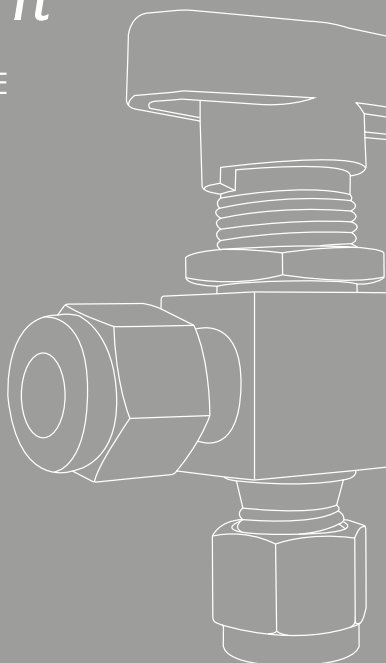
NET.Fit®

PUSH-IN FITTINGS
FOR TELECOM
MICRODUCTS



INOX.Fit®

HIGH PRESSURE
SOLUTIONS



TierreFittings®

INDUSTRIAL AUTOMATION
HYGIENIC & FOOD
FOOD & BEVERAGE



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COMPANY PROFILE

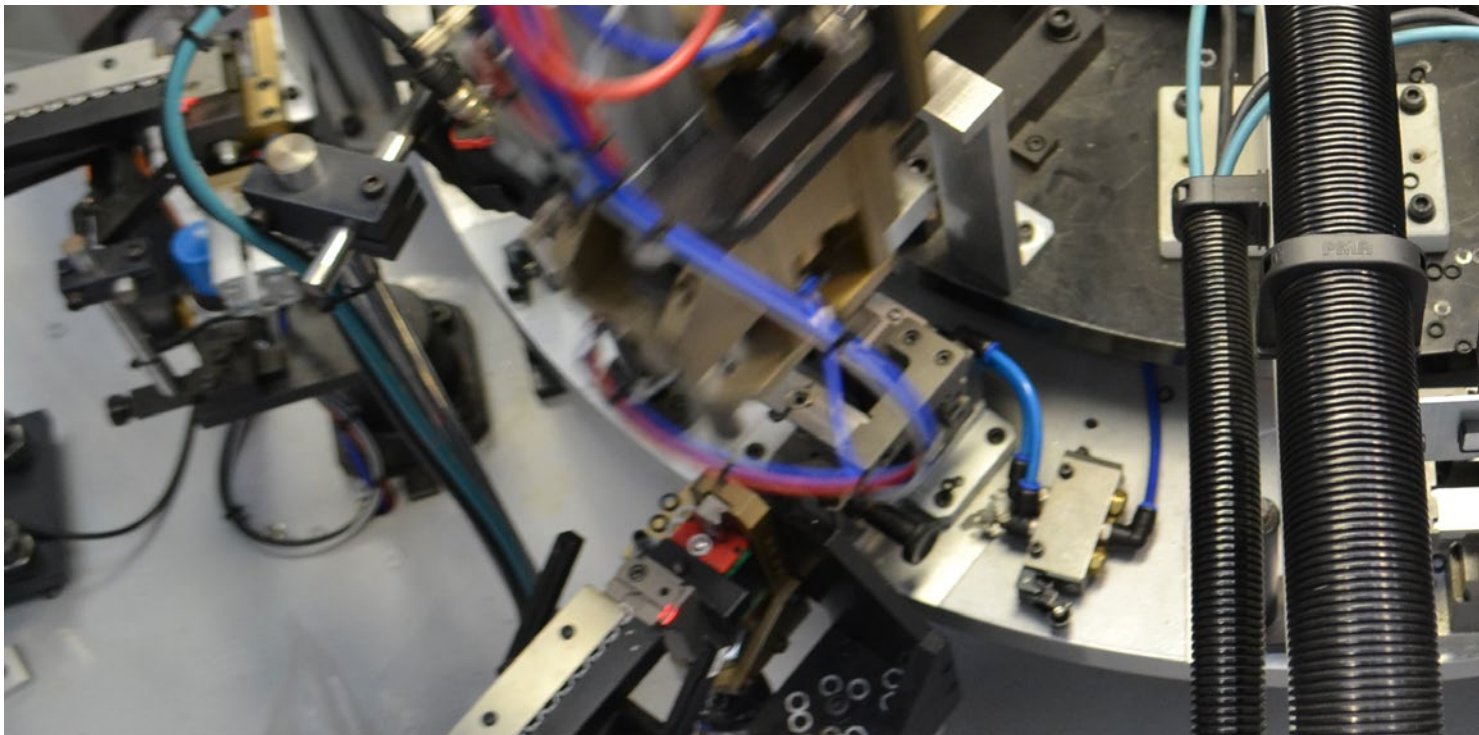
In the union there is our whole philosophy.

The Tierre story is the story of a union, or rather of many unions. **A union between passions, people and ideas:** it is from here that in 1998 one of the leading companies for fittings in the fields of pneumatic automation, food & beverages and telecommunications was established.

Honesty, respect and fairness are the core principles that make Tierre Group a large family.

Leading to other qualities such as reliability, punctuality and flexibility thanks to a skilled, young and focused management team. This is how the company quickly established an extensive product range capable of satisfying every need, fast delivery times and the excellent customer service.

The secret of Tierre Group? The People, making the most of them is at the centre of the company's success, because enthusiastic and motivated collaborators put heart and passion into everything they do to in order to achieve the best performance and set new benchmarks.



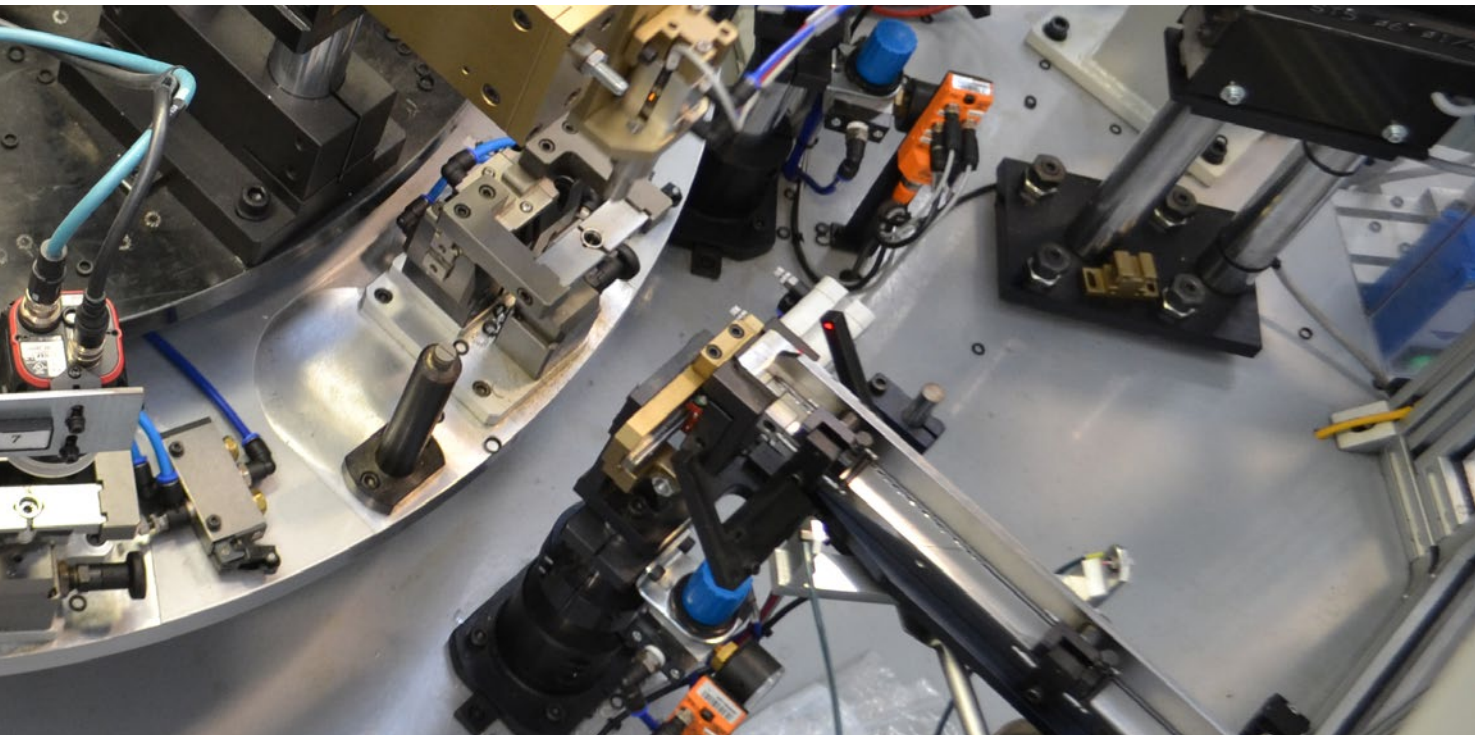


Experience and innovation in their perfect union.

Invest today to create new possibilities tomorrow. It is with this thought process that the vision and credibility of Tierre Group is embraced. Following this philosophy, the company has gone beyond its traditional expertise in the distribution and supply of high-quality products to become a leading name in the field of fittings production.

Tierre Group responds every day to meet the specific and complex needs of its customers, **through the design and development of innovative high-performance solutions in different sectors.**

Designing and fully realizing the components of its main product ranges has been the key to the success of Tierre Group. This was made possible by the great resources dedicated to technological innovation. Starting from its modern high-tech offices, utilising an advanced internal management system and automatic vertical storage warehouses, up to the new manufacturing plant located in Brescia which has been the heart of the Tierre Group transformation. The ability to offer customized solutions for every specific need, together with constant technical research on materials, allows Tierre Group to obtain production efficiency and high levels of performance for all products. In addition, each process is controlled based on the most stringent Italian and European standards, which are regulated and certified internationally.





People are the future. And the future is in people.

Since it was established, Tierre Group has never stopped growing as a result of **a team of closely-knit people, united by an infinite passion for their work.** It is from their vision, their knowledge and their dialogue that, day after day, new ideas and new paths are developed that go beyond pre-established boundaries and set ever more ambitious goals.
It is with this spirit that **today the company develops projects and programs aimed at enriching and enhancing its resources by offering healthy and constructive work spaces and environments,** professional and motivational training courses and implementing programs with prestigious universities such as, the SDA Bocconi in Milan.
All this, because the future of people is the future of Tierre Group.





Tierre Group Figures.

More than **20 years** of experience, 3 Plants (Headquarters & Central Warehouse in Milano, Brass & Stainless Steel AISI 316L Production in Brescia and Plastic for Optical Fibres Production in Zhejiang China). A professional team of **50 people** committed to the development of a fast growing global business with its main focus on the EMEA Area. More than **20 million pieces have been produced & distributed** through a consistent & reliable network of partners, offering a high level of quality & service.



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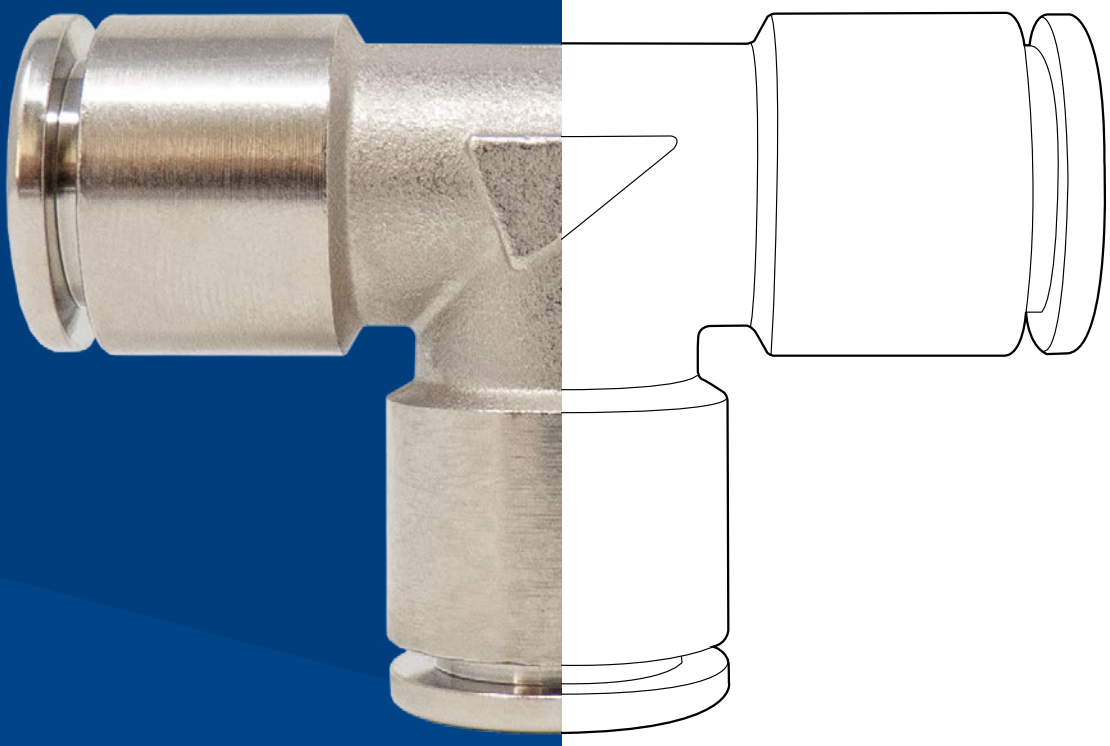
TierreGroup®
Always a fittings solution

L'unione ideale tra tecnologia e performance.



FOLLOW US!

PUSH-IN FITTINGS



TECHNICAL INDEX



p. 3

WTR SERIES

Materials: Nickel-plated brass & PBT
Pressure: 16 Bar
Temperature: from 0°C to 60°C
Range: Ø4 - Ø16 / R1/8" to R1/2"
Ø4 - Ø16 / M5 to G1/2"



p. 31

COMPACT CDC PNEUMATICS

Materials: Nickel-plated brass & PBT
Pressure: 10 Bar
Temperature: from 0°C to 60°C
Range: Ø4 - Ø6 / R1/8"
Ø3 - Ø6 / M3 to G1/8"



p. 43

M SERIES

Materials: Nickel-plated brass, PA66 and Stainless steel AISI 303
Pressure: 20 Bar
Temperature: from -20°C to 80°C
Range: Ø4 - Ø12 / R1/8" to R1/2"
Ø4 - Ø12 / M5 to G1/2"



p. 59

OTR SERIES

Materials: Nickel-plated brass
Pressure: 20 Bar
Temperature: from -20°C to 80°C
Range: Ø4 - Ø12 / R1/8" to R1/2"
Ø4 - Ø12 / M5 to G1/2"



p. 73

FOOD GRADE HFR SERIES

Materials: TEA+ plated brass
Pressure: 20 Bar
Temperature: from -20°C to 150°C
Range: Ø4 - Ø12 / M5 to G1/2"



p. 81

FLUIDFIT

Materials: POM
Pressure: 20 Bar
Temperature: from -20°C to 98°C
Range: Ø4 - Ø12 / R1/8" to R1/2"
Ø4 - Ø12 / G1/8" to G1/2"



p. 99

XVR SERIES

Materials: Stainless steel AISI 316L
Pressure: 20 Bar
Temperature: from -20°C to 150°C
Range: Ø4 - Ø12 / R1/8" to R1/2"
Ø4 - Ø12 / M5 to G1/2"



p. 109

CDC PNEUMATICS CARTRIDGES

Materials: Nickel-plated brass
Pressure: 10 Bar
Temperature: from 0°C to 60°C
Range: Ø4 - Ø12



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FLUIDFIT CARTRIDGES

Materials: Brass and POM
Pressure: 20 Bar
Temperature: from -20°C to 98°C
Range: Ø4 - Ø12

drawings and technical data are not binding & can be changed without notice

PUSH-IN FITTINGS
WTR SERIES

PLUS

COMPLETE RANGE thanks to 20 years of experience in the industry

HIGHEST LEVEL OF PERFORMANCES working pressure up to 16 bar, increased working temperature from -20°C to 80°C

PLASTIC STEM SYSTEM to allow connection with different kind of fittings

MADE FROM TOP QUALITY TECNOPOLYMERS to guarantee long-lasting components

100% LEAK-PROOF TESTED

IN COMPLIANCE WITH ISO 14743 (EXCEPT Ø16)

SUITABLE FOR VACUUM APPLICATIONS

STATIC GRIPPING SYSTEM in order to stop all movement of the tube when inserted, granting a leak-proof connection

Every fitting is **DESIGNED TO GUARANTEE MAXIMUM POSSIBLE FLOW RATE** accordingly to the diameter of the tube and the thread



p. 7 / **WTRC-R**



p. 8 / **WTRC-G**



p. 9 / **WTROC-R**



p. 9 / **WTROC-G**



p. 10 / **WTRCF-G**



p. 10 / **WTRMF-G**



p. 11 / **WTRMM**



p. 11 / **WTRSL-R**



p. 12 / **WTRSL-G**



p. 12 / **WTRL-R**



p. 13 / **WTRL-G**



p. 14 / **WTRLL-R**



p. 14 / **WTRLL-G**



p. 15 / **WTRLH-R**



p. 15 / **WTRLH-G**



p. 16 / **WTRLF-G**



p. 16 / **WTRLM**



p. 17 / **WTRH-R**



p. 17 / **WTRH-G**



p. 18 / **WTRHF-R**



p. 18 / **WTRHF-G**



p. 19 / **WTRT-R**



p. 19 / **WTRT-G**



p. 20 / **WTRST-R**



p.20 / **WTRST-G**



p. 21 / **WTRWT-R**



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p. 22 / **WTRKD-R**



p. 22 / **WTRKD-G**



p. 23 / **WTRUC**



p. 23 / **WTRG**



p. 23 / **WTRUL**



p. 24 / **WTRUT**



p. 24 / **WTRGT**



p. 24 / **WTRY**



p. 24 / **WTRW**



p. 25 / **WTRZA**



p. 25 / **WTRK**



p. 25 / **WTRKG**



p. 25 / **WTRGJ**



p. 26 / **WTRLJ**



p. 26 / **WTRLGJ**



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p. 27 / **WTRYJ**



p. 27 / **WTRWJ**



p. 27 / **WTRKJ**



p. 27 / **WTRPF**



p. 28 / **WTRIJ**



p. 28 / **WTRIG**



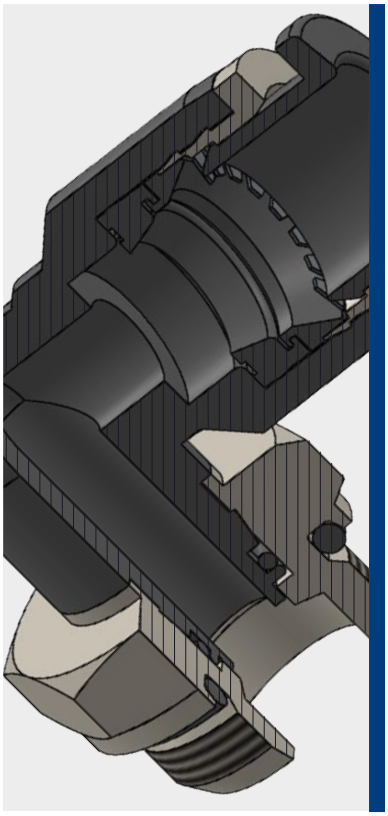
p. 28 / **WTRP**



p. 28 / **WTRUC-PRD**



p. 29 / **WTRCV**



-20°C ÷ 80°C

Working pressure:
16 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air & Vacuum
(do not use in water application)

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5, M6 and M7

Polyamide PA,
Polyurethane PU,
Polyethylene PE

AVAILABILITY
Available with NPT thread on request

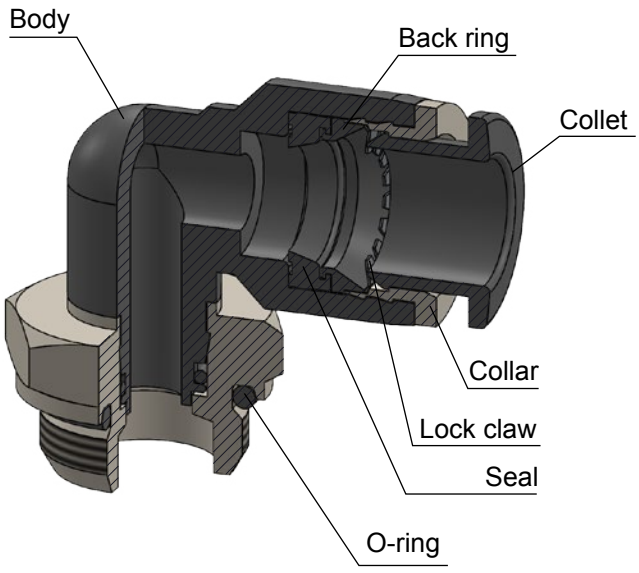
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR

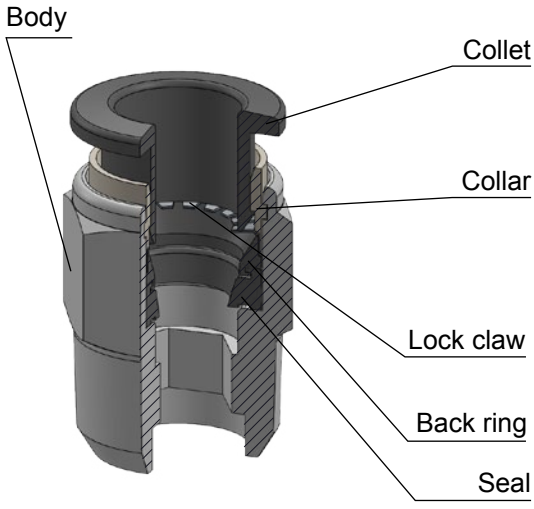
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	M6x1	M7x1	1/8"	1/4"	3/8"	1/2"
Nm	1,5	2	3	6	10	18	23

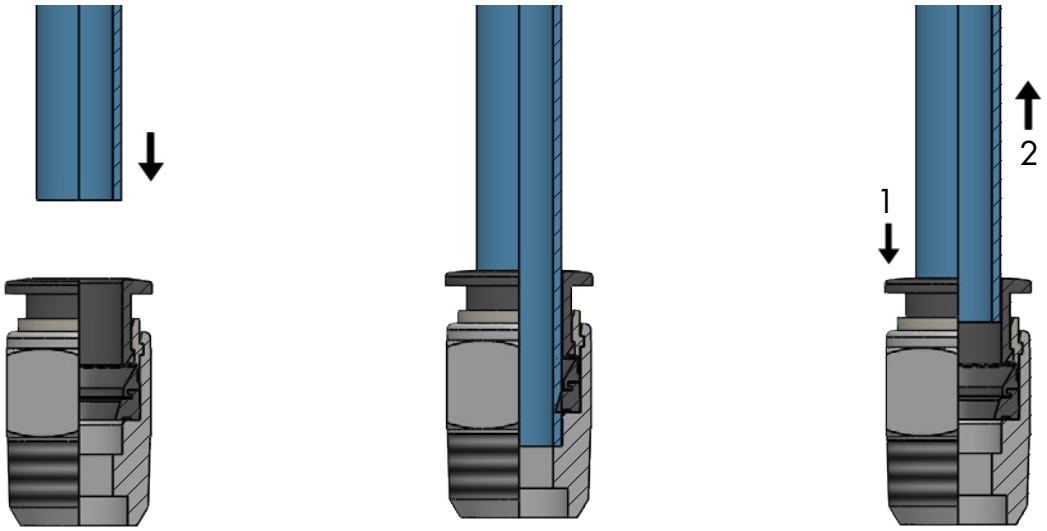
drawings and technical data are not binding & can be changed without notice

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCE - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12	14	16
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15	± 0,15

INSERTION DEPTH - METRIC TUBE

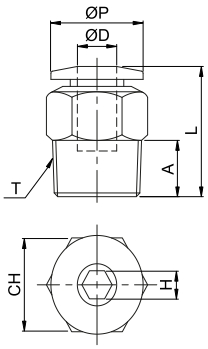
Ø TUBE (mm)	4	6	8	10	12	14	16
TUBE INSERTION LENGHT (mm)	15	16,5	18,8	20,1	22,9	22,9	23,6

drawings and technical data are not binding & can be changed without notice

WTRC-R

Male connector BSPT thread nickel-plated



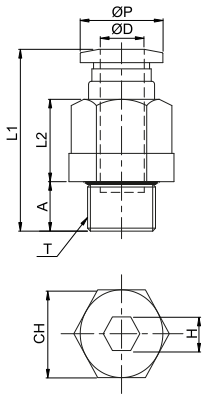


CODE	ØD	T	ØP	A	L	CH	H	g
WTRC04R01	4	R 1/8"	9,8	7	19,3	10	3	6,2
WTRC04R02		R 1/4"	9,8	9,5	17,9	14	3	9,8
WTRC06R01	6	R 1/8"	11,9	7	20,4	12	4	6,9
WTRC06R02		R 1/4"	11,9	9,5	22,7	14	4	13,3
WTRC06R03		R 3/8"	11,9	10,5	20,7	17	4	19,9
WTRC06R04		R 1/2"	11,9	13,5	24,7	21	4	39,8
WTRC08R01	8	R 1/8"	13,8	7	25,4	14	5	10
WTRC08R02		R 1/4"	13,8	9,5	24,9	14	6	11,9
WTRC08R03		R 3/8"	13,8	10,5	21,9	17	6	17,5
WTRC08R04		R 1/2"	13,8	13,5	25,9	21	6	37,6
WTRC10R01	10	R 1/8"	17,2	7	27,7	17	5	16,4
WTRC10R02		R 1/4"	17,2	9,5	29,5	17	6	18,6
WTRC10R03		R 3/8"	17,2	10,5	27	17	8	20,7
WTRC10R04		R 1/2"	17,2	13,5	25,3	21	8	34,6
WTRC12R02	12	R 1/4"	19,6	9,5	32,9	20	6	24,5
WTRC12R03		R 3/8"	19,6	10,5	29,9	20	8	25,3
WTRC12R04		R 1/2"	19,6	13,5	32,9	21	8	41
WTRC16R03	16	R 3/8"	24,3	10,5	37,6	24	8	42
WTRC16R04		R 1/2"	24,3	13,5	35,6	24	10	42,1

WTRC-G

Male connector BSPP & metric thread nickel-plated





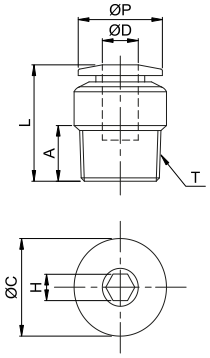
CODE	ØD	T	ØP	A	L1	L2	CH	H	g
WTRC04M5	4	M5x0,8	9,8	3,8	20,1	-	10	2	5,7
WTRC04M6		M6x1	9,8	4,5	20,8	-	10	2,5	6,1
WTRC04M7		M7x1	9,8	4,5	20,8	-	10	2,5	6,9
WTRC04G01		G 1/8"	9,8	5	19,3	7,4	10	3	7,4
WTRC04G02		G 1/4"	9,8	5,8	16,6	3,9	10	3	9,4
WTRC06M5	6	M5x0,8	11,9	3,8	21,2	-	12	2	7,4
WTRC06M6		M6x1	11,9	4,5	21,7	-	12	2,5	7
WTRC06M7		M7x1	11,9	4,5	21,7	-	12	2,5	7,2
WTRC06G01		G 1/8"	11,9	5	19,9	6,7	12	4	7,5
WTRC06G02		G 1/4"	11,9	5,8	20,4	6,4	12	4	10,8
WTRC06G03		G 3/8"	11,9	6,8	20	4,5	12	4	17
WTRC06G04		G 1/2"	11,9	8	21,7	4,5	12	4	27,5
WTRC08G01	8	G 1/8"	13,8	5	24,4	11,1	14	5	11,7
WTRC08G02		G 1/4"	13,8	5,8	22,2	7	14	6	11,1
WTRC08G03		G 3/8"	13,8	6,8	21,2	4,5	14	6	15,7
WTRC08G04		G 1/2"	13,8	8	22,9	4,5	14	6	27
WTRC10G01	10	G 1/8"	17,2	5	26,3	11	17	5	15,9
WTRC10G02		G 1/4"	17,2	5,8	27,5	13,9	17	6	20,4
WTRC10G03		G 3/8"	17,2	6,8	25	8,9	17	8	20,6
WTRC10G04		G 1/2"	17,2	8	22,7	4,9	17	8	28,5
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WTRC12G03		G 3/8"	19,6	6,8	28,2	11	20	8	24,3
WTRC12G04		G 1/2"	19,6	8	28,9	9,5	20	8	33,3
WTRC14G03	14	G 3/8"	21,8	6,8	31,8	13	21	8	30
WTRC14G04		G 1/2"	21,8	8	29,5	10	24	10	20
WTRC16G03	16	G 3/8"	24,3	6,8	34,9	14,5	24	8	42
WTRC16G04		G 1/2"	24,3	8	36,1	18	24	10	50,7

drawings and technical data are not binding & can be changed without notice

WTROC-R

Male connector round body with internal hexagon BSPT thread nickel-plated



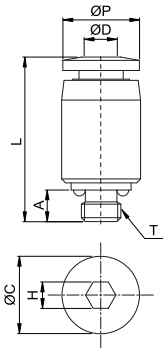


CODE	ØD	T	ØP	ØC	A	L	H	g
WTROC04R01	4	R 1/8"	9,8	10	7	19,3	3	5,6
WTROC04R02		R 1/4"	9,8	14	9,5	17,9	3	11,2
WTROC06R01	6	R 1/8"	11,9	12	7	20,4	4	6,3
WTROC06R02		R 1/4"	11,9	14	9,5	22,7	4	12,5
WTROC06R03		R 3/8"	11,9	17	10,5	20,7	4	19
WTROC08R01	8	R 1/8"	13,8	14	7	25,4	5	10,2
WTROC08R02		R 1/4"	13,8	14	9,5	24,9	6	13,1
WTROC08R03		R 3/8"	13,8	17	10,5	21,9	6	17,3
WTROC08R04		R 1/2"	13,8	21	13,5	25,9	6	37,9
WTROC10R01	10	R 1/8"	17,2	17	7	27,7	5	20,8
WTROC10R02		R 1/4"	17,2	17	9,5	29,5	6	22,5
WTROC10R03		R 3/8"	17,2	17	10,5	27	8	22,6
WTROC10R04		R 1/2"	17,2	21	13,5	25,3	8	34
WTROC12R02	12	R 1/4"	19,6	20	9,5	32,9	6	21,5
WTROC12R03		R 3/8"	19,6	20	10,5	29,9	8	22,2
WTROC12R04		R 1/2"	19,6	21	13,5	32,9	8	37,3

WTROC-G

Male connector round body with internal hexagon metric thread nickel-plated



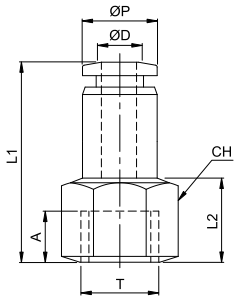


CODE	ØD	T	ØP	ØC	A	L	H	g
WTROC04M5	4	M5x0,8	9,8	10	3,8	20,1	2	5,2
WTROC04M6		M6x1	9,8	10	4,5	20,8	2	5,6
WTROC06M5	6	M5x0,8	11,9	12	3,8	21	2	6,8
WTROC06M6		M6x1	11,9	12	4,5	21,7	2	7,2

WTRCF-G

Female connector BSPP thread nickel-plated



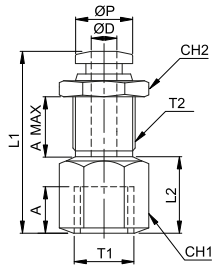


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRCF04G01	4	G 1/8"	9,8	7	23,3	9,5	14	12,5
WTRCF04G02		G 1/4"	9,8	9	25,3	11,5	17	18
WTRCF06G01	6	G 1/8"	11,9	7	24,4	10	14	15
WTRCF06G02		G 1/4"	11,9	9	26,4	12	17	19,3
WTRCF06G03		G 3/8"	11,9	10	27,4	13	19	26,3
WTRCF08G01	8	G 1/8"	13,8	7	25,9	10	14	15,8
WTRCF08G02		G 1/4"	13,8	9	27,9	12	17	19,4
WTRCF08G03		G 3/8"	13,8	10	28,9	13	19	18,4
WTRCF08G04		G 1/2"	13,8	12	30,9	15	24	32,8
WTRCF10G01	10	G 1/8"	17,2	7	27,7	10	17	28,5
WTRCF10G02		G 1/4"	17,2	9	29,7	13,3	17	27
WTRCF10G03		G 3/8"	17,2	10	30,7	14,3	19	24,6
WTRCF10G04		G 1/2"	17,2	12	32,7	16,3	24	38,5
WTRCF12G02	12	G 1/4"	19,6	9	32,9	11	20	44,2
WTRCF12G03		G 3/8"	19,6	10	33,9	12	20	35,9
WTRCF12G04		G 1/2"	19,6	12	35,9	15,5	24	34,2

WTRMF-G

Bulkhead female connector BSPP thread nickel-plated



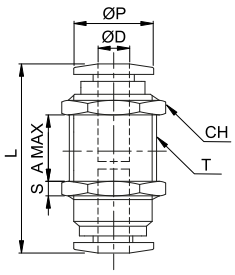


CODE	ØD	T1	T2	ØP	A	A MAX	L1	L2	CH1	CH2	g
WTRMF04G01	4	G 1/8"	M12x1	9,8	7	5,4	23,3	9,5	14	14	15,5
WTRMF04G02		G 1/4"	M12x1	9,8	9	5,4	25,4	11,6	17	14	20,4
WTRMF06G01	6	G 1/8"	M14x1	11,9	7	6,9	24,2	7	17	17	26,3
WTRMF06G02		G 1/4"	M14x1	11,9	9	6,9	29,2	12	17	17	26,5
WTRMF06G03		G 3/8"	M14x1	11,9	10	6,9	30,2	13	19	17	35,1
WTRMF08G01	8	G 1/8"	M16x1	13,8	7	9,4	26,4	5	19	19	32
WTRMF08G02		G 1/4"	M16x1	13,8	9	9,4	34,4	12	19	19	42,4
WTRMF08G03		G 3/8"	M16x1	13,8	10	9,4	34,4	13	19	19	42,4
WTRMF08G04		G 1/2"	M16x1	13,8	12	9,4	36,4	15	24	19	47,7
WTRMF10G01	10	G 1/8"	M20x1	17,2	7	9,4	29	7,7	21	24	52,8
WTRMF10G02		G 1/4"	M20x1	17,2	9	9,4	31	9,7	21	24	53,5
WTRMF10G03		G 3/8"	M20x1	17,2	10	9,4	34,3	13	21	24	53,8
WTRMF10G04		G 1/2"	M20x1	17,2	12	9,4	36,3	15	24	24	58,8
WTRMF12G02	12	G 1/4"	M22x1,5	19,6	9	10,9	33,5	9,1	24	27	68,2
WTRMF12G03		G 3/8"	M22x1,5	19,6	10	10,9	34,4	10	24	27	62,7
WTRMF12G04		G 1/2"	M22x1,5	19,6	12	10,9	39,4	15	24	27	62,3

WTRMM

Bulkhead connector nickel-plated



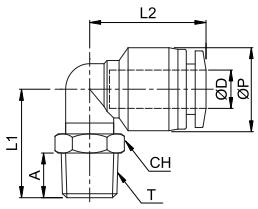


CODE	ØD	T	ØP	A MAX	L	S	CH	g
WTRMM0400	4	M12x1	9,8	8,2	30,1	3,5	14	15,4
WTRMM0600	6	M14x1	11,9	8,5	31,8	4	17	21,4
WTRMM0800	8	M16x1	13,8	8,8	35,3	4,5	19	26,8
WTRMM1000	10	M20x1	17,2	11,5	39	5	24	52,7
WTRMM1200	12	M22x1	19,6	12,8	45,3	5	27	59,8

WTRSL-R

Short swivel male elbow BSPT thread nickel-plated



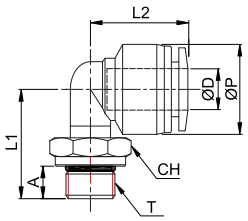


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRSL04R01	4	R 1/8"	11,1	7	16	17,5	10	5,8
WTRSL04R02		R 1/4"	11,1	9,5	19,5	17,5	14	6,3
WTRSL06R01	6	R 1/8"	13	7	17	19	10	6,4
WTRSL06R02		R 1/4"	13	9,5	20,5	19	14	12,4
WTRSL06R03		R 3/8"	13	10,5	22	19	17	14,2
WTRSL06R04		R 1/2"	13	13,5	25,5	19	21	17,3
WTRSL08R01	8	R 1/8"	15,1	7	21,3	22,8	12	11,5
WTRSL08R02		R 1/4"	15,1	9,5	21,5	22,8	14	13,3
WTRSL08R03		R 3/8"	15,1	10,5	23	22,8	17	20,3
WTRSL08R04		R 1/2"	15,1	13,5	26,5	22,8	21	21,9
WTRSL10R01	10	R 1/8"	18,8	7	25,5	26,3	14	15,4
WTRSL10R02		R 1/4"	18,8	9,5	26	26,3	14	18,4
WTRSL10R03		R 3/8"	18,8	10,5	25	26,3	17	21,9
WTRSL10R04		R 1/2"	18,8	13,5	28,5	26,3	21	24,8
WTRSL12R02	12	R 1/4"	21,5	9,5	29,5	29,6	17	33,6
WTRSL12R03		R 3/8"	21,5	10,5	26,5	29,6	17	36,2
WTRSL12R04		R 1/2"	21,5	13,5	30	29,6	21	39,5

WTRSL-G

Short swivel male elbow BSPP & metric thread nickel-plated



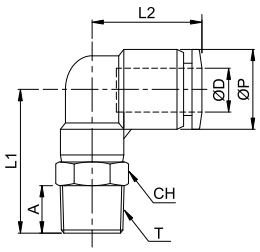


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRSL04M5	4	M5x0,8	11,1	3,8	15,3	17,5	8	5,2
WTRSL04M7		M7x1	11,1	4,5	17	17,5	10	6,1
WTRSL04G01		G 1/8"	11,1	4,8	14,8	17,5	14	7,6
WTRSL04G02		G 1/4"	11,1	5,5	16	17,5	17	11,3
WTRSL06M5	6	M5x0,8	13	3,8	15,3	19	8	5,8
WTRSL06M7		M7x1	13	4,5	17	19	10	6,7
WTRSL06G01		G 1/8"	13	4,8	15,8	19	14	8,3
WTRSL06G02		G 1/4"	13	5,5	17	19	17	13,3
WTRSL06G03		G 3/8"	13	6,5	18,5	19	20	16,8
WTRSL06G04		G 1/2"	13	7,5	19,5	19	24	20,1
WTRSL08G01	8	G 1/8"	15,1	4,8	20	22,8	14	11,9
WTRSL08G02		G 1/4"	15,1	5,5	18	22,8	17	13,8
WTRSL08G03		G 3/8"	15,1	6,5	19,5	22,8	20	21,2
WTRSL08G04		G 1/2"	15,1	7,5	20,5	22,8	24	23,9
WTRSL10G01	10	G 1/8"	18,8	4,8	24,3	26,3	14	21,3
WTRSL10G02		G 1/4"	18,8	5,5	23,1	26,3	17	24,3
WTRSL10G03		G 3/8"	18,8	6,5	21,5	26,3	20	27,6
WTRSL10G04		G 1/2"	18,8	7,5	22,5	26,3	24	31,2
WTRSL12G02	12	G 1/4"	21,5	5,5	26,5	29,6	17	33,8
WTRSL12G03		G 3/8"	21,5	6,5	23	29,6	20	35,6
WTRSL12G04		G 1/2"	21,5	7,5	24	29,6	24	39,8

WTRL-R

Swivel male elbow BSPT thread nickel-plated





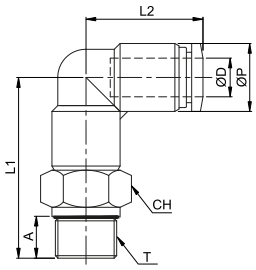
CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRL04R01	4	R 1/8"	11,1	7	23,5	17,5	10	8,1
WTRL04R02		R 1/4"	11,1	9,5	27	17,5	14	13,9
WTRL06R01	6	R 1/8"	13	7	25,2	19	12	11,5
WTRL06R02		R 1/4"	13	9,5	28,2	19	14	16,5
WTRL06R03		R 3/8"	13	10,5	29,7	19	17	22,6
WTRL06R04		R 1/2"	13	13,5	33,2	19	21	35,9
WTRL08R01	8	R 1/8"	15,1	7	26,5	22,8	14	17,6
WTRL08R02		R 1/4"	15,1	9,5	29	22,8	14	17,7
WTRL08R03		R 3/8"	15,1	10,5	30,5	22,8	17	25,3
WTRL08R04		R 1/2"	15,1	13,5	34	22,8	21	38,2
WTRL10R01	10	R 1/8"	18,8	7	29,5	26,3	17	30,7
WTRL10R02		R 1/4"	18,8	9,5	32	26,3	17	31,4
WTRL10R03		R 3/8"	18,8	10,5	33	26,3	17	30,8
WTRL10R04		R 1/2"	18,8	13,5	36,5	26,3	21	47,3
WTRL12R02	12	R 1/4"	21,5	9,5	35,5	29,6	20	44,3
WTRL12R03		R 3/8"	21,5	10,5	36,5	29,6	20	46,7
WTRL12R04		R 1/2"	21,5	13,5	39,5	29,6	21	51,2
WTRL14R03	14	R 3/8"	23,2	10,5	41,5	31,7	21	53
WTRL14R04		R 1/2"	23,2	13,5	45,5	31,7	24	62
WTRL16R03	16	R 3/8"	26	10,5	43	33	24	67,6
WTRL16R04		R 1/2"	26	13,5	46	33	24	72,8

drawings and technical data are not binding & can be changed without notice

WTRL-G

Swivel male elbow BSPP & metric thread nickel-plated



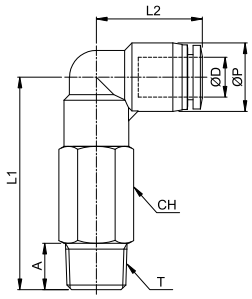


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRL04M5	4	M5x0,8	11,1	3,8	17,3	17,5	8	5,1
WTRL04M6		M6x1	11,1	4,5	18	17,5	8	5,3
WTRL04G01		G 1/8"	11,1	5	24	17,5	14	11,8
WTRL04G02		G 1/4"	11,1	5,8	25,3	17,5	17	17,9
WTRL06M5	6	M5x0,8	13	3,8	17,3	19	8	5,8
WTRL06M6		M6x1	13	4,5	18	19	8	6
WTRL06G01		G 1/8"	13	5	25,2	19	14	14,6
WTRL06G02		G 1/4"	13	5,8	26,5	19	17	17,5
WTRL06G03		G 3/8"	13	6,8	28	19	20	24,4
WTRL06G04		G 1/2"	13	8	29,2	19	24	38,4
WTRL08G01	8	G 1/8"	15,1	5	26	22,8	14	17,5
WTRL08G02		G 1/4"	15,1	5,8	27,3	22,8	17	20,5
WTRL08G03		G 3/8"	15,1	6,8	28,8	22,8	20	26,6
WTRL08G04		G 1/2"	15,1	8	30	22,8	24	36,8
WTRL10G01	10	G 1/8"	18,8	5	29	26,3	17	31,2
WTRL10G02		G 1/4"	18,8	5,8	29,8	26,3	17	30,5
WTRL10G03		G 3/8"	18,8	6,8	31,3	26,3	20	34,6
WTRL10G04		G 1/2"	18,8	8	33,5	26,3	24	47,3
WTRL12G02	12	G 1/4"	21,5	5,8	33,8	29,6	20	43,9
WTRL12G03		G 3/8"	21,5	6,8	34,8	29,6	20	44,5
WTRL12G04		G 1/2"	21,5	8	36,5	29,6	24	51,8
WTRL14G03	14	G 3/8"	23,2	6,8	39,8	31,7	21	52
WTRL14G04		G 1/2"	23,2	8	41,5	31,7	24	61
WTRL16G03	16	G 3/8"	26	6,8	40,8	33	24	64
WTRL16G04		G 1/2"	26	8	42	33	24	66,5

WTRLL-R

Long swivel male elbow BSPT thread nickel-plated



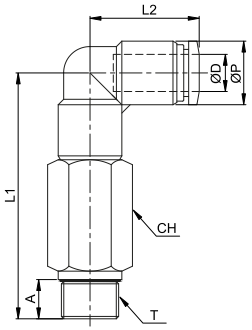


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRLL04R01	4	R 1/8"	11,1	7	35,5	17,5	10	14,2
WTRLL04R02		R 1/4"	11,1	9,5	39	17,5	14	26,2
WTRLL06R01	6	R 1/8"	13	7	39,2	19	12	22
WTRLL06R02		R 1/4"	13	9,5	42,2	19	14	29,2
WTRLL06R03		R 3/8"	13	10,5	43,7	19	17	39,4
WTRLL06R04		R 1/2"	13	13,5	47,2	19	21	62,9
WTRLL08R01	8	R 1/8"	15,1	7	41,8	22,8	14	34,6
WTRLL08R02		R 1/4"	15,1	9,5	44,3	22,8	14	33,1
WTRLL08R03		R 3/8"	15,1	10,5	45,8	22,8	17	45,6
WTRLL08R04		R 1/2"	15,1	13,5	49,3	22,8	21	70,1
WTRLL10R01	10	R 1/8"	18,8	7	49,5	26,3	17	61,2
WTRLL10R02		R 1/4"	18,8	9,5	52	26,3	17	62,5
WTRLL10R03		R 3/8"	18,8	10,5	53	26,3	17	56,7
WTRLL10R04		R 1/2"	18,8	13,5	56,5	26,3	21	87,2
WTRLL12R02	12	R 1/4"	21,5	9,5	58,5	29,6	20	86,7
WTRLL12R03		R 3/8"	21,5	10,5	59,5	29,6	20	100,7
WTRLL12R04		R 1/2"	21,5	13,5	62,5	29,6	21	89,7

WTRLL-G

Long swivel male elbow BSPP & metric thread nickel-plated





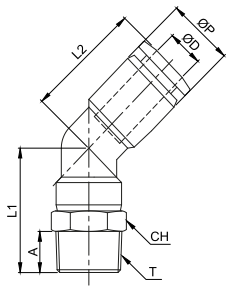
CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRLL04M5	4	M5x0,8	11,1	3,8	29,3	17,5	8	10,4
WTRLL04M6		M6x1	11,1	4,5	30	17,5	8	10,8
WTRLL04G01		G 1/8"	11,1	5	36	17,5	14	25,9
WTRLL04G02		G 1/4"	11,1	5,8	37,3	17,5	17	26,6
WTRLL06M5	6	M5x0,8	13	3,8	31,3	19	8	11,4
WTRLL06M6		M6x1	13	4,5	32	19	8	11,8
WTRLL06G01		G 1/8"	13	5	39,2	19	14	30,5
WTRLL06G02		G 1/4"	13	5,8	40,5	19	17	43,3
WTRLL06G03		G 3/8"	13	6,8	42	19	20	57
WTRLL06G04		G 1/2"	13	8	43,2	19	24	91,5
WTRLL08G01	8	G 1/8"	15,1	5	41,3	22,8	14	35,4
WTRLL08G02		G 1/4"	15,1	5,8	42,6	22,8	17	48
WTRLL08G03		G 3/8"	15,1	6,8	44,1	22,8	20	60,3
WTRLL08G04		G 1/2"	15,1	8	45,3	22,8	24	93,7
WTRLL10G01	10	G 1/8"	18,8	5	49	26,3	17	61,8
WTRLL10G02		G 1/4"	18,8	5,8	49,8	26,3	17	68,7
WTRLL10G03		G 3/8"	18,8	6,8	51,3	26,3	20	78,7
WTRLL10G04		G 1/2"	18,8	8	53,5	26,3	24	105,8
WTRLL12G02	12	G 1/4"	21,5	5,8	56,8	29,6	20	98,1
WTRLL12G03		G 3/8"	21,5	6,8	57,8	29,6	20	101,9
WTRLL12G04		G 1/2"	21,5	8	59,5	29,6	24	124,3

drawings and technical data are not binding & can be changed without notice

WTRLH-R

Swivel male elbow 45° BSPT thread nickel-plated



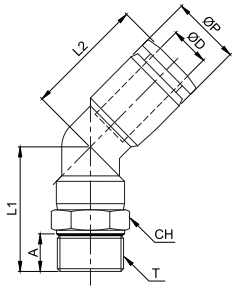


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRHL04R01	4	R 1/8"	11,1	7	22,2	16,2	10	8
WTRHL04R02		R 1/4"	11,1	9,5	25,7	16,2	14	13,8
WTRHL06R01	6	R 1/8"	13	7	23,9	17,7	12	11
WTRHL06R02		R 1/4"	13	9,5	26,9	17,7	14	16
WTRHL06R03		R 3/8"	13	10,5	28,4	17,7	17	22,2
WTRHL06R04		R 1/2"	13	13,5	31,9	17,7	21	35,4
WTRHL08R01	8	R 1/8"	15,1	7	27,1	20,9	14	17,3
WTRHL08R02		R 1/4"	15,1	9,5	29,6	20,9	14	17,4
WTRHL08R03		R 3/8"	15,1	10,5	31,1	20,9	17	25
WTRHL08R04		R 1/2"	15,1	13,5	34,6	20,9	21	37,9
WTRHL10R01	10	R 1/8"	18,8	7	29,7	22,2	17	30
WTRHL10R02		R 1/4"	18,8	9,5	32,2	22,2	17	30,7
WTRHL10R03		R 3/8"	18,8	10,5	33,2	22,2	17	30,1
WTRHL10R04		R 1/2"	18,8	13,5	36,7	22,2	21	46,6
WTRHL12R02	12	R 1/4"	21,5	9,5	35,2	26,3	20	42,6
WTRHL12R03		R 3/8"	21,5	10,5	36,2	26,3	20	45
WTRHL12R04		R 1/2"	21,5	13,5	39,2	26,3	21	49,5

WTRLH-G

Swivel male elbow 45° BSPP & metric thread nickel-plated



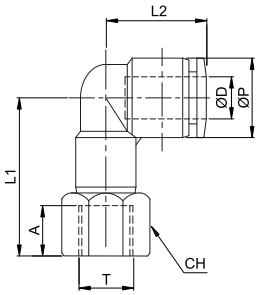


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRLH04M5	4	M5x0,8	11,1	3,8	20	16,2	10	8,1
WTRLH04M6		M6x1	11,1	4,5	20,7	16,2	10	8,3
WTRLH04G01		G 1/8"	11,1	5	22,7	16,2	14	11,7
WTRLH04G02		G 1/4"	11,1	5,8	24	16,2	17	17,8
WTRLH06M5	6	M5x0,8	13	3,8	21,7	17,7	12	10,8
WTRLH06M6		M6x1	13	4,5	22,4	17,7	12	11,5
WTRLH06G01		G 1/8"	13	5	23,9	17,7	14	14,2
WTRLH06G02		G 1/4"	13	5,8	25,2	17,7	17	17,5
WTRLH06G03		G 3/8"	13	6,8	26,7	17,7	20	24
WTRLH06G04		G 1/2"	13	8	27,9	17,7	24	38
WTRLH08G01	8	G 1/8"	15,1	5	26,6	20,9	14	17,2
WTRLH08G02		G 1/4"	15,1	5,8	27,9	20,9	17	20,2
WTRLH08G03		G 3/8"	15,1	6,8	29,4	20,9	20	26,3
WTRLH08G04		G 1/2"	15,1	8	30,6	20,9	24	36,5
WTRLH10G01	10	G 1/8"	18,8	5	29,2	22,2	17	30,6
WTRLH10G02		G 1/4"	18,8	5,8	30	22,2	17	29,9
WTRLH10G03		G 3/8"	18,8	6,8	31,5	22,2	20	34
WTRLH10G04		G 1/2"	18,8	8	33,7	22,2	24	46,7
WTRLH12G02	12	G 1/4"	21,5	5,8	33,5	26,3	20	42,4
WTRLH12G03		G 3/8"	21,5	6,8	34,5	26,3	20	43
WTRLH12G04		G 1/2"	21,5	8	36,2	26,3	24	50,3

WTRLF-G

Swivel female elbow BSPP & metric thread nickel-plated



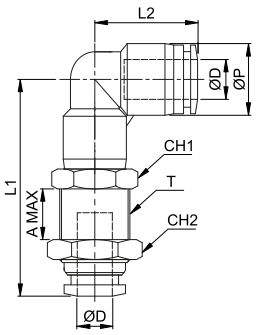


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRLF04M5	4	M5x0,8	11,1	4,5	19,5	17,5	10	7,4
WTRLF04M6		M6x1	11,1	5	20	17,5	10	7,2
WTRLF04G01		G 1/8"	11,1	7	23	17,5	14	13,9
WTRLF04G02		G 1/4"	11,1	9	25	17,5	17	18,2
WTRLF06M5	6	M5x0,8	13	4,5	20,7	19	12	10,6
WTRLF06M6		M6x1	13	5	21,2	19	12	10,4
WTRLF06G01		G 1/8"	13	7	24,4	19	14	16,4
WTRLF06G02		G 1/4"	13	9	26,4	19	17	21,3
WTRLF06G03		G 3/8"	13	10	27,7	19	19	30
WTRLF08G01	8	G 1/8"	15,1	7	24,8	22,8	14	19,4
WTRLF08G02		G 1/4"	15,1	9	27	22,8	17	24,1
WTRLF08G03		G 3/8"	15,1	10	28,5	22,8	19	32,4
WTRLF08G04		G 1/2"	15,1	12	30,5	22,8	24	41,6
WTRLF10G01	10	G 1/8"	18,8	7	23	26,3	17	27,7
WTRLF10G02		G 1/4"	18,8	9	29,5	26,3	17	33,8
WTRLF10G03		G 3/8"	18,8	10	31	26,3	19	34,3
WTRLF10G04		G 1/2"	18,8	12	33,5	26,3	24	51,2
WTRLF12G02	12	G 1/4"	21,5	9	26	29,6	21	36,7
WTRLF12G03		G 3/8"	21,5	10	34	29,6	21	49,2
WTRLF12G04		G 1/2"	21,5	12	36,5	29,6	24	54,7

WTRLM

Bulkhead swivel elbow nickel-plated





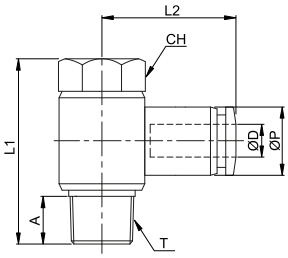
CODE	ØD	T	ØP	A MAX	L1	L2	CH1	CH2	g
WTRLM04	4	M12x1	11,1	4,1	28,5	17,5	14	14	15
WTRLM06	6	M14x1	13	5,7	34,1	19	17	17	27,2
WTRLM08	8	M16x1	15,1	7,2	40,6	22,8	17	19	38
WTRLM10	10	M20x1	18,8	7,4	45,5	26,3	21	24	55
WTRLM12	12	M22x1	21,5	9,7	51,6	29,6	24	27	85

drawings and technical data are not binding & can be changed without notice

WTRH-R

Swivel male banjo elbow BSPT thread nickel-plated



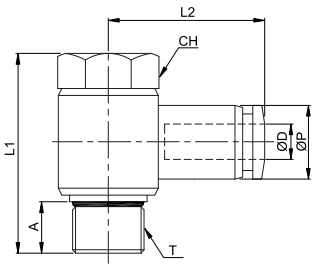


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRH04R01	4	R 1/8"	11,1	7	23	22,3	10	10,5
WTRH04R02		R 1/4"	11,1	9,5	26,3	24	14	21,9
WTRH06R01	6	R 1/8"	13	7	23	23,1	10	11
WTRH06R02		R 1/4"	13	9,5	26,3	25,1	14	22,5
WTRH06R03		R 3/8"	13	10,5	31,9	26,8	19	37,8
WTRH08R01	8	R 1/8"	15,1	7	23	25,6	10	11,8
WTRH08R02		R 1/4"	15,1	9,5	26,3	28,6	14	23,3
WTRH08R03		R 3/8"	15,1	10,5	31,9	29,6	19	38,4
WTRH08R04		R 1/2"	15,1	13,5	38,6	32,6	24	75,4
WTRH10R02	10	R 1/4"	18,8	9,5	26,3	31	14	26,7
WTRH10R03		R 3/8"	18,8	10,5	31,9	31,6	19	41,8
WTRH10R04		R 1/2"	18,8	13,5	38,6	34,6	24	78,8
WTRH12R02	12	R 1/4"	21,5	9,5	26,3	33,5	14	28,2
WTRH12R03		R 3/8"	21,5	10,5	31,9	35,6	19	43,4
WTRH12R04		R 1/2"	21,5	13,5	38,6	36,6	24	80,3

WTRH-G

Swivel male banjo elbow BSPP & metric thread nickel-plated



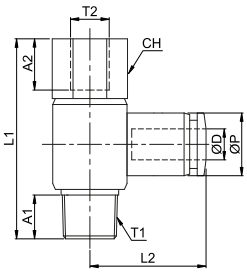


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRH04M5	4	M5x0,8	11,1	4	18	20	8	6,6
WTRH04M6		M6x1	11,1	4,5	18,5	20	8	11,8
WTRH04G01		G 1/8"	11,1	5	22,5	22,3	10	11,5
WTRH06M5	6	M5x0,8	13	4	18	21,9	8	7,2
WTRH06M6		M6x1	13	4,5	18,5	21,9	8	12,4
WTRH06G01		G 1/8"	13	5	22,5	23,1	10	12
WTRH06G02		G 1/4"	13	5,8	26,2	25,1	14	23
WTRH08G01	8	G 1/8"	15,1	5	22,5	25,6	10	12,8
WTRH08G02		G 1/4"	15,1	5,8	26,2	28,6	14	23,8
WTRH08G03		G 3/8"	15,1	6,8	31,7	29,6	19	40,9
WTRH10G02	10	G 1/4"	18,8	5,8	26,2	31	14	27,2
WTRH10G03		G 3/8"	18,8	6,8	31,7	31,6	19	44,3
WTRH12G03	12	G 3/8"	21,5	6,8	31,7	35,6	19	45,9
WTRH12G04		G 1/2"	21,5	8	37,1	36,6	24	79,3

WTRHF-R

Swivel female banjo elbow BSPT thread nickel-plated



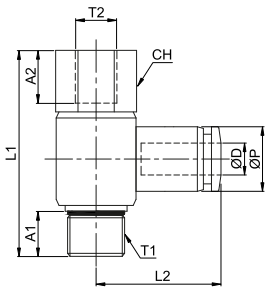


CODE	ØD	T1	T2	ØP	A1	A2	L1	L2	CH	g
WTRHF04R01	4	R 1/8"	G 1/8"	11,1	7	7	29	22,3	14	16,4
WTRHF04R02		R 1/4"	G 1/4"	11,1	9,5	9	33,3	24,1	17	27,4
WTRHF06R01	6	R 1/8"	G 1/8"	13	7	7	29	23,1	14	17
WTRHF06R02		R 1/4"	G 1/4"	13	9,5	9	33,3	25,1	17	28
WTRHF06R03		R 3/8"	G 3/8"	13	10,5	10	39,9	26,8	19	44,8
WTRHF08R01	8	R 1/8"	G 1/8"	15,1	7	7	29	25,6	14	17,8
WTRHF08R02		R 1/4"	G 1/4"	15,1	9,5	9	33,3	28,6	17	28,8
WTRHF08R03		R 3/8"	G 3/8"	15,1	10,5	10	39,9	29,6	19	45,4
WTRHF08R04		R 1/2"	G 1/2"	15,1	13,5	12	46,5	32,6	24	71,9
WTRHF10R02	10	R 1/4"	G 1/4"	18,8	9,5	9	33,3	31	17	32,2
WTRHF10R03		R 3/8"	G 3/8"	18,8	10,5	10	39,9	31,6	19	48,8
WTRHF10R04		R 1/2"	G 1/2"	18,8	13,5	12	46,5	34,6	24	75,3
WTRHF12R02	12	R 1/4"	G 1/4"	21,5	9,5	9	33,3	33,5	17	33,7
WTRHF12R03		R 3/8"	G 3/8"	21,5	10,5	10	39,9	35,6	19	50,4
WTRHF12R04		R 1/2"	G 1/2"	21,5	13,5	12	46,5	36,6	24	76,8

WTRHF-G

Swivel female banjo elbow BSPP & metric thread nickel-plated



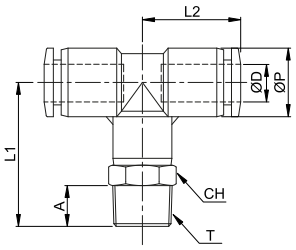


CODE	ØD	T1	T2	ØP	A1	A2	L1	L2	CH	g
WTRHF04M5	4	M5x0,8	M5x0,8	11,1	4	5,5	20,5	20	10	8,3
WTRHF04M6		M6x1	M6x1	11,1	4,5	6	21	20	10	8,3
WTRHF04G01		G 1/8"	G 1/8"	11,1	5,5	7	30	22,3	14	18,4
WTRHF06M5	6	M5x0,8	M5x0,8	13	4	5,5	20,5	21,9	10	8,9
WTRHF06M6		M6x1	M6x1	13	4,5	6	21	21,9	10	8,9
WTRHF06G01		G 1/8"	G 1/8"	13	5,5	7	30	23,1	14	19
WTRHF06G02		G 1/4"	G 1/4"	13	6,5	9	33,7	25,1	17	30,5
WTRHF08G01	8	G 1/8"	G 1/8"	15,1	5,5	7	30	25,6	14	19,8
WTRHF08G02		G 1/4"	G 1/4"	15,1	6,5	9	33,7	28,6	17	31,3
WTRHF08G03		G 3/8"	G 3/8"	15,1	7,5	10	39,7	29,6	19	47,9
WTRHF10G02	10	G 1/4"	G 1/4"	18,8	6,5	9	33,7	31,1	17	34,7
WTRHF10G03		G 3/8"	G 3/8"	18,8	7,5	10	39,7	31,6	19	51,3
WTRHF12G03	12	G 3/8"	G 3/8"	21,5	7,5	10	39,7	35,6	19	52,9
WTRHF12G04		G 1/2"	G 1/2"	21,5	9	12	45	36,6	24	77,3

WTRT-R

Swivel male central tee BSPT thread nickel-plated



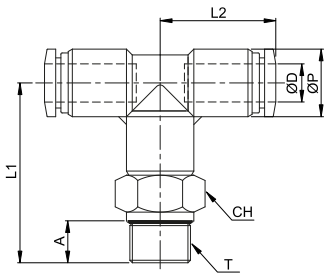


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRT04R01	4	R 1/8"	11,1	7	24,5	18,5	10	10,5
WTRT04R02		R 1/4"	11,1	9,5	28	18,5	14	16,3
WTRT06R01	6	R 1/8"	13	7	25,5	19,3	12	14,1
WTRT06R02		R 1/4"	13	9,5	28,5	19,3	14	19,1
WTRT06R03		R 3/8"	13	10,5	30	19,3	17	25,2
WTRT06R04		R 1/2"	13	13,5	33,5	19,3	21	38,5
WTRT08R01	8	R 1/8"	15,1	7	29	22,7	14	20,9
WTRT08R02		R 1/4"	15,1	9,5	31,4	22,7	14	21
WTRT08R03		R 3/8"	15,1	10,5	32,9	22,7	17	28,6
WTRT08R04		R 1/2"	15,1	13,5	36,4	22,7	21	41,5
WTRT10R01	10	R 1/8"	18,8	7	34,5	27	17	37,9
WTRT10R02		R 1/4"	18,8	9,5	37	27	17	38,6
WTRT10R03		R 3/8"	18,8	10,5	38	27	17	38
WTRT10R04		R 1/2"	18,8	13,5	41,5	27	21	54,5
WTRT12R02	12	R 1/4"	21,5	9,5	38,5	29,6	20	52,8
WTRT12R03		R 3/8"	21,5	10,5	39,5	29,6	20	55,2
WTRT12R04		R 1/2"	21,5	13,5	42,5	29,6	21	59,7
WTRT16R03	16	R 3/8"	26	10,5	43	33	24	81
WTRT16R04		R 1/2"	26	13,5	46	33	24	85,5

WTRT-G

Swivel male central tee BSPP & metric thread nickel-plated





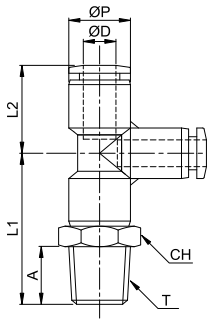
CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRT04M5	4	M5x0,8	11,1	3,8	22,3	18,5	10	10,6
WTRT04M6		M6x1	11,1	4,5	23	18,5	10	10,8
WTRT04G01		G 1/8"	11,1	5	25	18,5	14	14,2
WTRT04G02		G 1/4"	11,1	5,8	26,3	18,5	17	20,3
WTRT06M5	6	M5x0,8	13	3,8	23,3	19,3	12	13,9
WTRT06M6		M6x1	13	4,5	24	19,3	12	14,6
WTRT06G01		G 1/8"	13	5	25,5	19,3	14	17,2
WTRT06G02		G 1/4"	13	5,8	26,8	19,3	17	20,5
WTRT06G03		G 3/8"	13	6,8	28,3	19,3	20	27
WTRT06G04		G 1/2"	13	8	29,5	19,3	24	41
WTRT08G01	8	G 1/8"	15,1	5	28,4	22,7	14	20,8
WTRT08G02		G 1/4"	15,1	5,8	29,7	22,7	17	23,8
WTRT08G03		G 3/8"	15,1	6,8	31,2	22,7	20	29,9
WTRT08G04		G 1/2"	15,1	8	32,4	22,7	24	40,1
WTRT10G01	10	G 1/8"	18,8	5	34	27	17	38,4
WTRT10G02		G 1/4"	18,8	5,8	34,8	27	17	37,7
WTRT10G03		G 3/8"	18,8	6,8	36,3	27	20	41,8
WTRT10G04		G 1/2"	18,8	8	38,5	27	24	54,5
WTRT12G02	12	G 1/4"	21,5	5,8	36,8	29,6	21	52,4
WTRT12G03		G 3/8"	21,5	6,8	37,8	29,6	21	53
WTRT12G04		G 1/2"	21,5	8	39,5	29,6	24	60,3
WTRT14G03	14	G 3/8"	23,2	6,8	39,8	31,7	21	61
WTRT14G04		G 1/2"	23,2	8	41,5	31,7	24	69
WTRT16G03	16	G 3/8"	26	6,8	40,8	33	24	76,6
WTRT16G04		G 1/2"	26	8	42	33	24	79,4

drawings and technical data are not binding & can be changed without notice

WTRST-R

Swivel lateral male tee BSPT thread nickel-plated



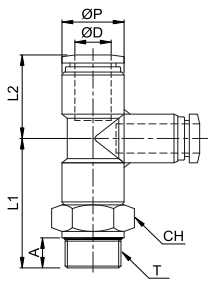


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRST04R01	4	R 1/8"	11,1	7	24,5	18,5	10	10,5
WTRST04R02		R 1/4"	11,1	9,5	28	18,5	14	16,3
WTRST06R01	6	R 1/8"	13	7	25,5	19,3	12	14,1
WTRST06R02		R 1/4"	13	9,5	28,5	19,3	14	19,1
WTRST06R03		R 3/8"	13	10,5	30	19,3	17	25,2
WTRST06R04		R 1/2"	13	13,5	33,5	19,3	21	38,5
WTRST08R01	8	R 1/8"	15,1	7	29	22,7	14	20,9
WTRST08R02		R 1/4"	15,1	9,5	31,4	22,7	14	21
WTRST08R03		R 3/8"	15,1	10,5	32,9	22,7	17	28,6
WTRST08R04		R 1/2"	15,1	13,5	36,4	22,7	21	41,5
WTRST10R01	10	R 1/8"	18,8	7	34,5	27	17	37,9
WTRST10R02		R 1/4"	18,8	9,5	37	27	17	38,6
WTRST10R03		R 3/8"	18,8	10,5	38	27	17	38
WTRST10R04		R 1/2"	18,8	13,5	41,5	27	21	54,5
WTRST12R02	12	R 1/4"	21,5	9,5	38,5	29,6	20	52,8
WTRST12R03		R 3/8"	21,5	10,5	39,5	29,6	20	55,2
WTRST12R04		R 1/2"	21,5	13,5	42,5	29,6	21	59,7

WTRST-G

Swivel male lateral tee BSPP & metric thread nickel-plated



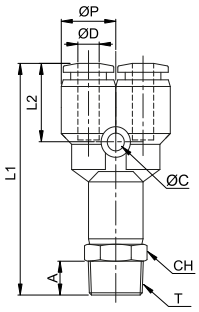


CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRST04M5	4	M5x0,8	11,1	3,8	22,3	18,5	10	10,8
WTRST04M6		M6x1	11,1	4,5	23	18,5	10	11
WTRST04G01		G 1/8"	11,1	5	25	18,5	14	14,5
WTRST04G02		G 1/4"	11,1	5,8	26,3	18,5	17	20,6
WTRST06M5	6	M5x0,8	13	3,8	23,3	19,3	12	14,5
WTRST06M6		M6x1	13	4,5	24	19,3	12	15,1
WTRST06G01		G 1/8"	13	5	25,5	19,3	14	17,7
WTRST06G02		G 1/4"	13	5,8	26,8	19,3	17	21
WTRST06G03		G 3/8"	13	6,8	28,3	19,3	20	27,5
WTRST06G04		G 1/2"	13	8	29,5	19,3	24	41,5
WTRST08G01	8	G 1/8"	15,1	5	28,4	22,7	14	20,9
WTRST08G02		G 1/4"	15,1	5,8	29,7	22,7	17	23,9
WTRST08G03		G 3/8"	15,1	6,8	31,2	22,7	20	30
WTRST08G04		G 1/2"	15,1	8	32,4	22,7	24	40,2
WTRST10G01	10	G 1/8"	18,8	5	34	27	17	38,8
WTRST10G02		G 1/4"	18,8	5,8	34,8	27	17	38,1
WTRST10G03		G 3/8"	18,8	6,8	36,3	27	20	42,2
WTRST10G04		G 1/2"	18,8	8	38,5	27	24	54,9
WTRST12G02	12	G 1/4"	21,5	5,8	36,8	29,6	21	53,2
WTRST12G03		G 3/8"	21,5	6,8	37,8	29,6	21	53,8
WTRST12G04		G 1/2"	21,5	8	39,5	29,6	24	61,1

WTRWT-R

Swivel male Y BSPT thread nickel-plated



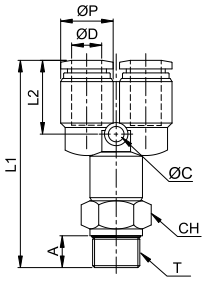


CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
WTRWT04R01	4	R 1/8"	11,1	3,2	7	41,5	14	10	10,7
WTRWT04R02		R 1/4"	11,1	3,2	9,5	45	14	14	16,6
WTRWT06R01	6	R 1/8"	13	3,2	7	43,3	14,8	12	14,6
WTRWT06R02		R 1/4"	13	3,2	9,5	46,3	14,8	14	19,6
WTRWT06R03		R 3/8"	13	3,2	10,5	47,8	14,8	17	25,8
WTRWT06R04		R 1/2"	13	3,2	13,5	51,3	14,8	21	39
WTRWT08R01	8	R 1/8"	15,1	3,2	7	46,6	18,2	14	21
WTRWT08R02		R 1/4"	15,1	3,2	9,5	49,1	18,2	14	21,1
WTRWT08R03		R 3/8"	15,1	3,2	10,5	50,6	18,2	17	28,7
WTRWT08R04		R 1/2"	15,1	3,2	13,5	54,1	18,2	21	41,6
WTRWT10R01	10	R 1/8"	18,8	4,2	7	54,6	19,5	17	38,3
WTRWT10R02		R 1/4"	18,8	4,2	9,5	57,1	19,5	17	39
WTRWT10R03		R 3/8"	18,8	4,2	10,5	58,1	19,5	17	38,4
WTRWT10R04		R 1/2"	18,8	4,2	13,5	61,6	19,5	21	54,9
WTRWT12R02	12	R 1/4"	21,5	4,3	9,5	62,1	21,6	21	53,6
WTRWT12R03		R 3/8"	21,5	4,3	10,5	63,1	21,6	21	46
WTRWT12R04		R 1/2"	21,5	4,3	13,5	66,1	21,6	21	60,5

WTRWT-G

Swivel male Y BSPP & metric thread nickel-plated



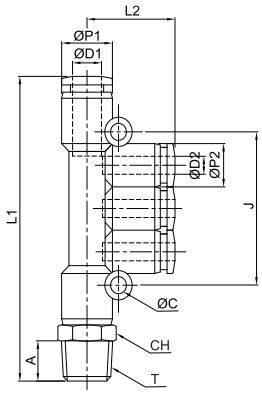


CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
WTRWT04M5	4	M5x0,8	11,1	3,2	3,8	39,3	14	10	10,8
WTRWT04M6		M6x1	11,1	3,2	4,5	40	14	10	11
WTRWT04G01		G 1/8"	11,1	3,2	5	42	14	14	14,5
WTRWT04G02		G 1/4"	11,1	3,2	5,8	43,3	14	17	20,6
WTRWT06M5	6	M5x0,8	13	3,2	3,8	41,1	14,8	12	14,5
WTRWT06M6		M6x1	13	3,2	4,5	41,8	14,8	12	15,1
WTRWT06G01		G 1/8"	13	3,2	5	43,3	14,8	14	17,7
WTRWT06G02		G 1/4"	13	3,2	5,8	44,6	14,8	17	21
WTRWT06G03		G 3/8"	13	3,2	6,8	46,1	14,8	20	27,5
WTRWT06G04		G 1/2"	13	3,2	8	47,3	14,8	24	41,5
WTRWT08G01	8	G 1/8"	15,1	3,2	5	46,1	18,2	14	20,9
WTRWT08G02		G 1/4"	15,1	3,2	5,8	47,4	18,2	17	23,9
WTRWT08G03		G 3/8"	15,1	3,2	6,8	48,9	18,2	20	30
WTRWT08G04		G 1/2"	15,1	3,2	8	50,1	18,2	24	40,2
WTRWT10G01	10	G 1/8"	18,8	4,2	5	54,1	19,5	17	38,8
WTRWT10G02		G 1/4"	18,8	4,2	5,8	54,9	19,5	17	38,1
WTRWT10G03		G 3/8"	18,8	4,2	6,8	56,4	19,5	20	42,2
WTRWT10G04		G 1/2"	18,8	4,2	8	58,6	19,5	24	54,9
WTRWT12G02	12	G 1/4"	21,5	4,3	5,8	60,4	21,6	21	53,2
WTRWT12G03		G 3/8"	21,5	4,3	6,8	61,4	21,6	21	53,8
WTRWT12G04		G 1/2"	21,5	4,3	8	63,1	21,6	24	61,1

WTRKD-R

Swivel multi-tee lateral male connector BSPT thread nickel-plated



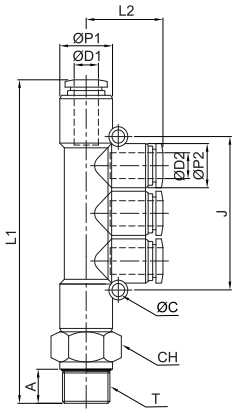


CODE	ØD1	ØD2	T	ØP1	ØP2	ØC	A	L1	L2	J	CH	g
WTRKD0604R01	6	4	R 1/8"	13	11,1	3,2	7	63,8	19	36	12	17,4
WTRKD0804R02	8	4	R 1/4"	15,1	11,1	3,2	9,5	71,3	20	42	14	23,1
WTRKD0806R02	8	6	R 1/4"	15,1	13	3,2	9,5	71,3	20,3	42	14	24,2
WTRKD1008R03	10	8	R 3/8"	18,8	15,1	4,2	10,5	91	24,3	48	17	40,2

WTRKD-G

Swivel multi-tee lateral male connector BSPP thread nickel-plated

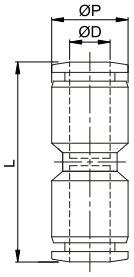




CODE	ØD1	ØD2	T	ØP1	ØP2	ØC	A	L1	L2	J	CH	g
WTRKD0604G01	6	4	G 1/8"	13	11,1	3,2	5	63,8	19	36	14	20,5
WTRKD0804G02	8	4	G 1/4"	15,1	11,1	3,2	5,8	69,6	20	42	17	26
WTRKD0806G02	8	6	G 1/4"	15,1	15,1	3,2	5,8	69,6	20,3	42	17	27
WTRKD1008G03	10	8	G 3/8"	18,8	15,1	4,2	6,8	89,3	24,3	48	20	44

WTRUC — Union connector

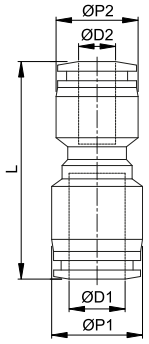




CODE	ØD	ØP	L	g
WTRUC0400	4	11,1	33	4,2
WTRUC0500	5	12,8	35,2	5
WTRUC0600	6	13	35,2	5,2
WTRUC0700	7	14,5	39,1	7
WTRUC0800	8	15,1	39,1	6,8
WTRUC0900	9	18,8	45,2	14
WTRUC1000	10	18,8	48,4	14
WTRUC1100	11	21,2	49,2	17
WTRUC1200	12	21,5	49,2	16,4
WTRUC1400	14	23,2	48,4	18
WTRUC1500	15	25,8	51	25
WTRUC1600	16	26	51	24,5

WTRG — Reduced union connector

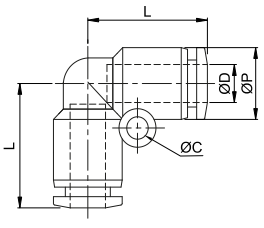




CODE	ØD1	ØD2	ØP1	ØP2	L	g
WTRG0604	6	4	13	11,1	33,6	5,2
WTRG0804	8	4	15,1	11,1	34	5,8
WTRG0805	8	5	15,1	12,8	35,5	6
WTRG0806	8	6	15,1	13	36,1	6,8
WTRG1007	10	7	18,8	14,5	41,8	10
WTRG1008	10	8	18,8	15,1	41,8	12,7
WTRG1207	12	7	21,5	14,5	46,9	13
WTRG1208	12	8	21,5	15,1	46,9	14,1
WTRG1210	12	10	21,5	18,8	47,7	16,6
WTRG1410	14	10	23,2	18,8	48,3	17
WTRG1412	14	12	23,2	21,5	48,3	17
WTRG1610	16	10	26	18,8	48,5	24,3
WTRG1612	16	12	26	21,5	50,1	26
WTRG1614	16	14	26	23,2	50	28

WTRUL — Union elbow

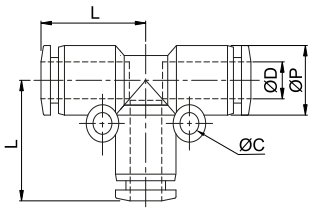




CODE	ØD	ØP	ØC	L	g
WTRUL0400	4	11,1	3,2	17,5	4,2
WTRUL0600	6	13	3,2	19	5,5
WTRUL0800	8	15,1	3,2	22,8	7,3
WTRUL1000	10	18,8	4,2	26,3	14,3
WTRUL1200	12	21,5	4,3	29,6	18,2
WTRUL1400	14	23,2	5,1	31,7	23
WTRUL1600	16	26	5,1	33	27

WTRUT — Union tee

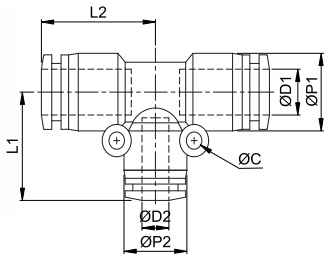




CODE	ØD	ØP	ØC	L	g
WTRUT0400	4	11,1	3,2	18,5	6,5
WTRUT0600	6	13	3,2	19,3	8,1
WTRUT0800	8	15,1	3,2	22,7	10,6
WTRUT1000	10	18,8	4,2	27	21,4
WTRUT1200	12	21,5	4,3	29,6	26,7
WTRUT1400	14	23,2	5,1	31,7	31
WTRUT1600	16	26	5,1	33	39,7

WTRGT — Reduced union tee

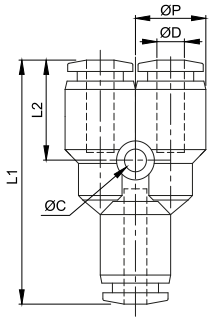




CODE	ØD1	ØD2	ØP1	ØP2	ØC	L1	L2	g
WTRGT0604	6	4	13	11,1	3,2	19,5	19,3	8,1
WTRGT0804	8	4	15,1	11,1	3,2	19,8	22,8	9,8
WTRGT0806	8	6	15,1	13	3,2	20,3	22,8	10,6
WTRGT1008	10	8	18,8	15,1	4,2	24,8	27	20,2
WTRGT1210	12	10	21,5	18,8	4,2	28,5	29,6	26,9
WTRGT1612	16	12	26	21,5	5,1	32,1	33	41,9

WTRY — Union Y

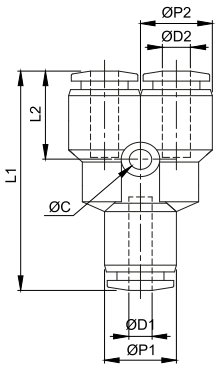




CODE	ØD	ØP	ØC	L1	L2	g
WTRY0400	4	11,1	3,2	35,5	14	6,8
WTRY0600	6	13	3,2	37,1	14,8	8,6
WTRY0800	8	15,1	3,2	40,4	18,2	10,7
WTRY1000	10	18,8	4,2	47,1	19,5	21,8
WTRY1200	12	21,5	4,2	53,2	21,6	27,5
WTRY1600	16	26	5,1	61	23,5	33,5

WTRW — Reduced union Y



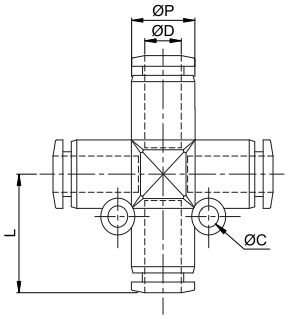


CODE	ØD1	ØD2	ØP1	ØP2	ØC	L1	L2	g
WTRW0604	6	4	13	11,1	3,2	36,8	14,5	9,2
WTRW0806	8	6	15,1	13	3,2	39,9	17,7	11,4
WTRW1008	10	8	18,8	15,1	4,2	47,9	20,3	21,8
WTRW1210	12	10	21,5	18,8	4,2	51,6	20	29,3

drawings and technical data are not binding & can be changed without notice

WTRZA — Union cross

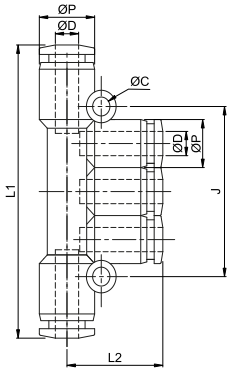




CODE	ØD	ØP	ØC	L	g
WTRZA0400	4	11,1	3,2	17,5	8
WTRZA0600	6	13	3,2	19,3	10,2
WTRZA0800	8	15,1	3,2	22,7	13,6
WTRZA1000	10	18,8	4,2	27	28,2
WTRZA1200	12	21,5	4,3	29,6	34,2

WTRK — Union multi-tee

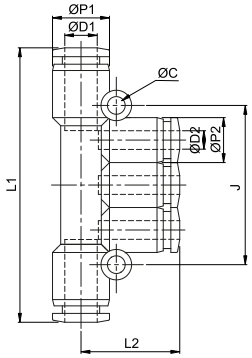




CODE	ØD	ØP	ØC	L1	L2	J	g
WTRK04	4	11,1	3,2	57	19	36	13
WTRK06	6	13	3,2	61,6	20,3	42	17
WTRK08	8	15,1	3,2	81,6	24,3	48	22

WTRKG — Union multi-tee

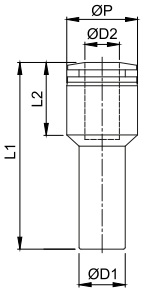




CODE	ØD1	OD2	ØP1	ØP2	ØC	L1	L2	J	g
WTRKG0604	6	4	13	11,1	3,2	57,6	19	36	13
WTRKG0804	8	4	15,1	11,1	3,2	62,6	20	42	16
WTRKG0806	8	6	15,1	13	3,2	62,6	20,3	42	16,6
WTRKG1006	10	6	18,8	13	4,2	80	23,8	48	28
WTRKG1008	10	8	18,8	15,1	4,2	80	24,3	48	30,8

WTRGJ — Stem reduction



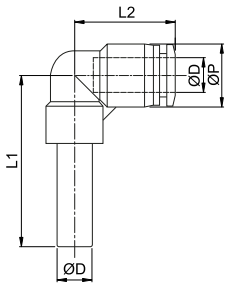


CODE	ØD1	ØD2	ØP	L1	L2	g
WTRGJ0604	6	4	11,1	39,5	14	1,4
WTRGJ0804	8	4	11,1	41,5	14	2,7
WTRGJ0806	8	6	13	41,8	14,3	2
WTRGJ1006	10	6	13	46,8	17,3	3,8
WTRGJ1008	10	8	15,1	47,3	17,8	2,8
WTRGJ1206	12	6	13	51,8	19,3	7,7
WTRGJ1208	12	8	15,1	52,3	19,8	6,4
WTRGJ1210	12	10	18,8	51,5	19	4,2

drawings and technical data are not binding & can be changed without notice

WTRLJ — Elbow with stem

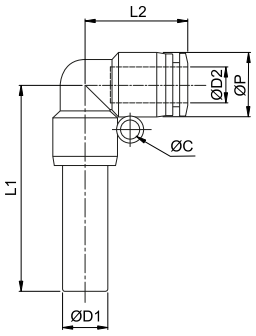




CODE	ØD	ØP	L1	L2	g
WTRLJ0400	4	11,1	33,7	17,5	6,5
WTRLJ0600	6	13	34,9	19	8,1
WTRLJ0800	8	15,1	39,1	22,8	10,6
WTRLJ1000	10	18,8	46,1	26,3	21,4
WTRLJ1200	12	21,5	52,2	29,6	26,7

WTRLGJ — Reduced elbow with stem

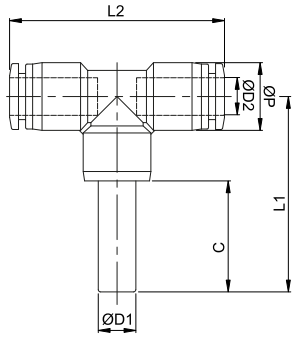




CODE	ØD1	ØD2	ØP	ØP2	ØC	L1	L2	g
WTRLGJ0604	6	4	13	11,1	3,2	33,7	17,5	8,7
WTRLGJ0806	8	6	15,1	13	3,2	38,3	19	13,7
WTRLGJ1008	10	8	18,8	15,1	4,2	46,1	22,8	19,4
WTRLGJ1210	12	10	21,5	18,8	4,2	53,5	26,3	34,6
ENLARGED ELBOW WITH STEM								
WTRLGJ0406	4	6	11,1	13	3,2	33,7	19	8,7

WTRTJ — Tee with stem

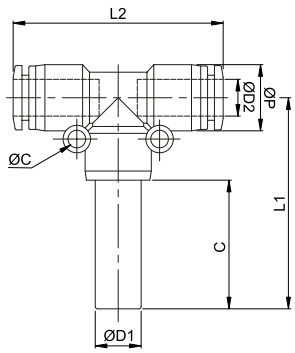




CODE	ØD1	ØD2	ØP	L1	L2	C	g
WTRTJ04	4	4	11,1	34,7	37	20,2	-
WTRTJ06	6	6	13	35,2	38,6	20,2	-
WTRTJ08	8	8	15,1	41,6	45,7	23,6	-
WTRTJ10	10	10	18,8	51,1	57,6	28,1	-
WTRTJ12	12	12	21,5	55,2	58,8	31,2	-

WTRTGJ — Reduced tee with stem



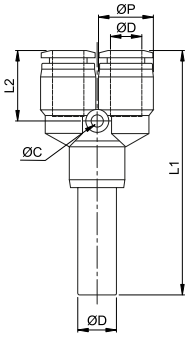


CODE	ØD1	ØD2	ØP	ØC	L1	L2	C	g
WTRTGJ0604	6	4	11,1	3,2	34,7	37	20,2	-
WTRTGJ0806	8	6	13	3,2	38,6	38,6	23,6	-
WTRTGJ1008	10	8	15,1	3,2	46,1	45,7	28,1	-
WTRTGJ1210	12	10	18,8	4,2	54,2	57,6	31,2	-

drawings and technical data are not binding & can be changed without notice

WTRYJ — Union Y with stem

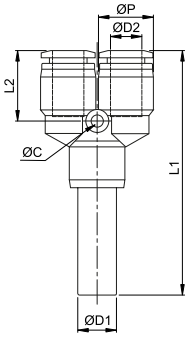




CODE	ØD	ØP	ØC	L1	L2	g
WTRYJ0400	4	11,1	3,2	51,7	14	10,2
WTRYJ0600	6	13	3,2	53	14,8	14,4
WTRYJ0800	8	15,1	3,2	59,3	18,3	20,4
WTRYJ1000	10	18,8	4,2	73	21,3	38,1
WTRYJ1200	12	21,5	4,2	78,6	21,4	49,9

WTRWJ — Reduced union Y with stem

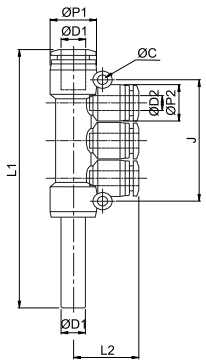




CODE	ØD1	ØD2	ØP	ØC	L1	L2	g
WTRWJ0604	6	4	11,1	3,2	51,7	14	14,5
WTRWJ0806	8	6	13	3,2	53	14,8	20,4
WTRWJ1008	10	8	15,1	4,2	59,3	18,3	35,5
WTRWJ1210	12	10	18,8	4,2	73	21,3	50,5

WTRKJ — Multi-tee union with lateral stem

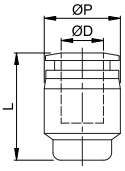




CODE	ØD1	ØD2	ØP1	ØP2	ØC	L1	L2	J	g
WTRKJ0604	6	4	13	11,1	3,2	73,5	19	36	4,2
WTRKJ0804	8	4	15,1	11,1	3,2	81,5	20	42	5,5
WTRKJ0806	8	6	15,1	13	3,2	81,5	20,3	42	7,3
WTRKJ1006	10	6	18,8	13	4,2	104,5	23,8	48	14,3
WTRKJ1008	10	8	18,8	15,1	4,2	105,9	24,3	48	18,2

WTRPF — Female plug

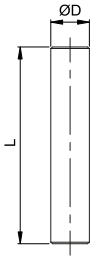




CODE	ØD	ØP	L	g
WTRPF04	4	11,1	17	2,6
WTRPF05	5	12,8	17,3	3,1
WTRPF06	6	13	17,3	3,7
WTRPF07	7	14,5	20,8	3,8
WTRPF08	8	15,1	20,8	4,2
WTRPF10	10	18,8	25,3	5,5
WTRPF12	12	21,5	25,6	9,3
WTRPF14	14	23,2	25,7	12,4
WTRPF15	15	25,8	27	15,3
WTRPF16	16	26	27	17,1

WTRIJ — Junction

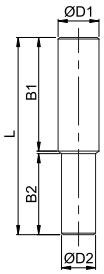




CODE	ØD	L	g
WTRIJ04	4	35	0,4
WTRIJ06	6	37	0,8
WTRIJ08	8	41	1,2
WTRIJ10	10	51	2,7
WTRIJ12	12	54	3,5
WTRIJ16	16	58	5,3

WTRIG — Reduced junction

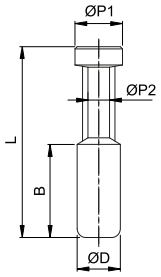




CODE	ØD1	ØD2	B1	B2	L	g
WTRIG0604	6	4	18	17	36	0,6
WTRIG0806	8	6	20	18	39	1
WTRIG1008	10	8	25	20	46	1,9
WTRIG1210	12	10	27	26	54	3,2
WTRIG1612	16	12	28	28	56	4,8

WTRP — Male plug

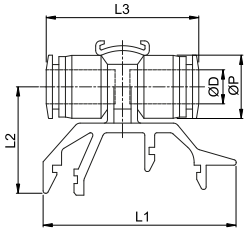




CODE	ØD	ØP1	ØP2	B	L	g
WTRP04	4	5	3	15	28	0,4
WTRP06	6	7	3	17	33	0,8
WTRP07	7	8	3,5	18	37	1,1
WTRP08	8	9	4	18	37	1,3
WTRP10	10	11	5	20,5	42	2,2
WTRP12	12	13	6	23	44	3,1
WTRP14	14	15	7	24	45	5
WTRP16	16	15	8	24,5	46	7

WTRUC-PRD — Union connector for DIN profile



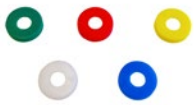


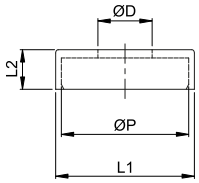
CODE	ØD	ØP	L1	L2	L3	g
WTRUC-PRD04	4	11,1	45	22	34,6	8
WTRUC-PRD06	6	13	45	22	35,2	8
WTRUC-PRD08	8	15,1	45	22,7	39,1	10
WTRUC-PRD10	10	18,8	45	24,7	45,2	17
WTRUC-PRD12	12	21,5	45	26	49,2	20

drawings and technical data are not binding & can be changed without notice

WTRCV

Applicable sleeve





CODE	ØD	ØP	L1	L2	g
WTRCV04	4,3	10,1	11	2,4	0,1
WTRCV06	6,3	12,1	13	2,6	0,14
WTRCV08	8,3	14,1	15	2,8	0,18

ØD	BLUE	RED	WHITE	YELLOW	GREEN
4	WTRCV04BL	WTRCV04RO	WTRCV04BO	WTRCV04GL	WTRCV04VD
6	WTRCV06BL	WTRCV06RO	WTRCV06BO	WTRCV06GL	WTRCV06VD
8	WTRCV08BL	WTRCV08RO	WTRCV08BO	WTRCV08GL	WTRCV08VD



PUSH-IN FITTINGS
COMPACT CDC PNEUMATICS

PLUS

REDUCED DIMENSIONS to be easily used in confined spaces

ALSO AVAILABLE FOR TUBING Ø3mm

OVAL LOCKING COLLET to improve disconnection

STATIC GRIPPING SYSTEM in order to stop all movement of the tube when inserted, granting a leak-proof connection

MADE WITH TOP QUALITY TECNOPOLYMERS to guarantee long-lasting components



p. 35 / **PC-C-R**



p. 35 / **PC-C-G**



p. 35 / **POC-C-R**



p. 36 / **POC-C-M**



p. 36 / **PCF-C-M**



p. 36 / **PMM-C**



p. 37 / **PL-C-R**



p. 37 / **PL-C-G**



p. 37 / **PLL-C-R**



p. 38 / **PLL-C-M**



p. 38 / **PT-C-R**



p. 38 / **PT-C-M**



p. 39 / **PST-C-R**



p. 39 / **PST-C-M**



p. 39 / **PUC-C**



p. 40 / **PG-C**



p. 40 / **PUL-C**



p. 40 / **PUT-C**



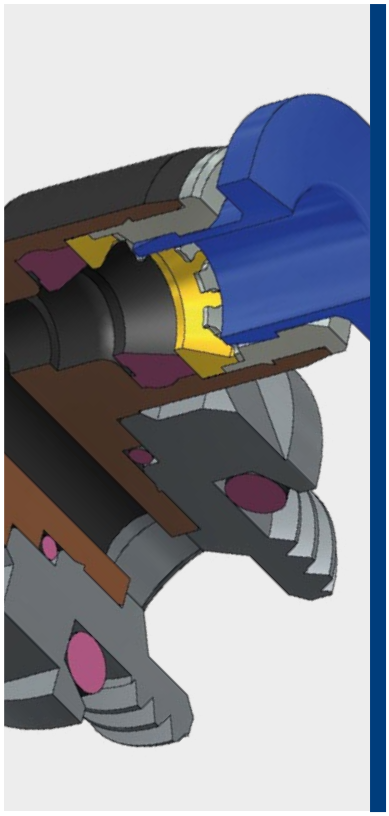
p. 41 / **PY-C**



p. 41 / **PW-C**



p. 41 / **PGJ-C**



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air & Vacuum
(do not use in water application)

- Taper gas BSPT ISO 7
  R1/8"
- Parallel gas BSPP ISO 228
  G1/8"
- Metric ISO 262
  M3, M5 and M6

Polyamide PA,
Polyurethane PU,
Polypropylene PE

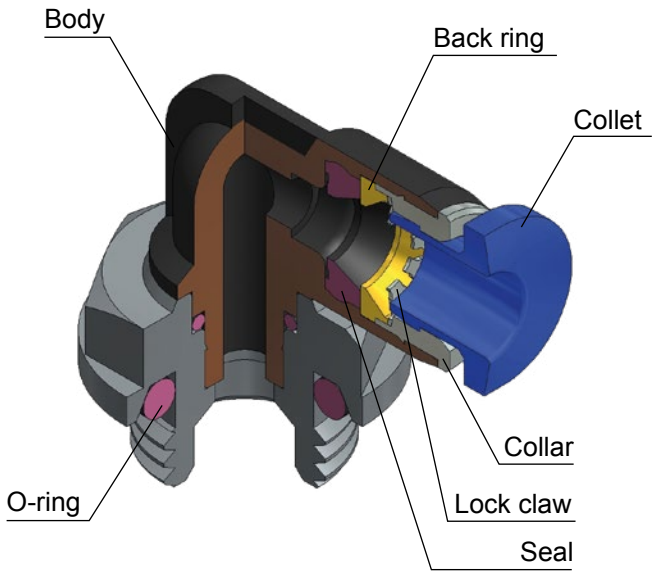
Body: PBT and nickel-plated brass
Collar: Nickel-plated brass
Collet: POM
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR silicone free
O-ring: NBR silicone free

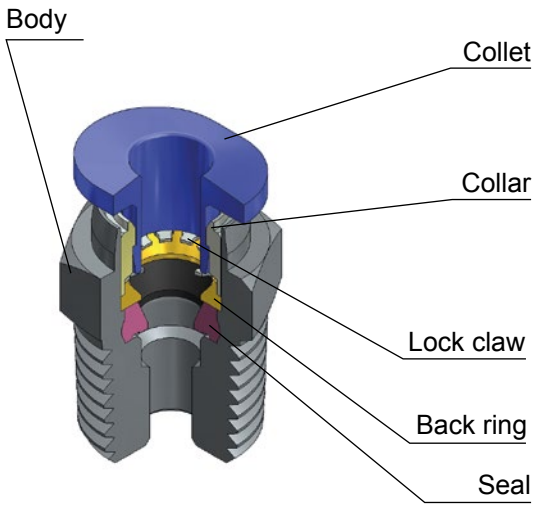
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"
Nm	7

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M3x0,5	M5x0,8	M6x1,0	1/8"
Nm	0,7	1,5	2,3	10

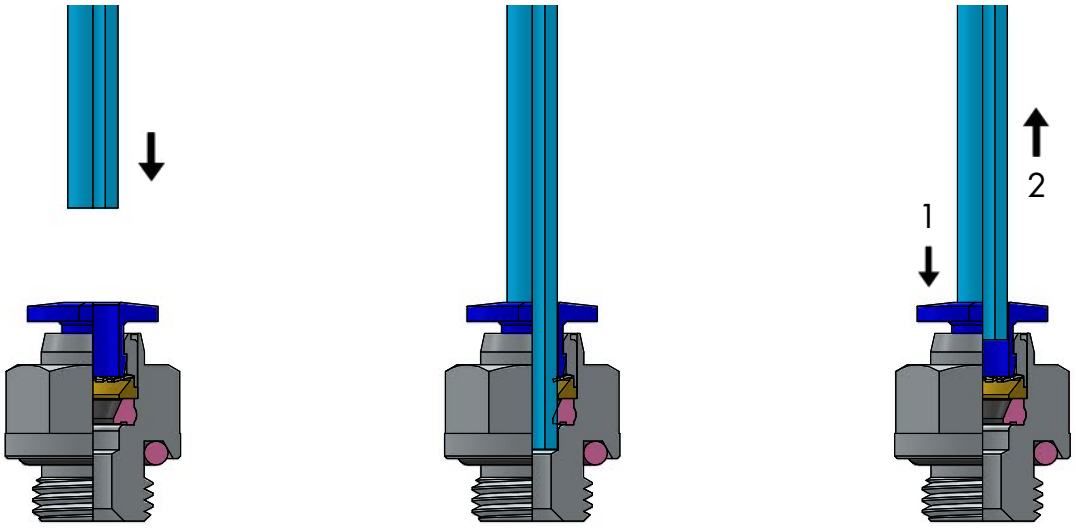
drawings and technical data are not binding & can be changed without notice

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCES - METRIC TUBE

Ø TUBE (mm)	3	4	6
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1

INSERTION DEPTH - METRIC TUBE

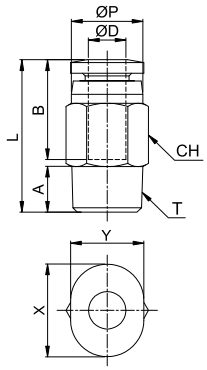
Ø TUBE (mm)	3	4	6
TUBE INSERTION LENGHT (mm)	11,3	11,8	12,9

drawings and technical data are not binding & can be changed without notice

PC-C-R

Compact male connector BSPT thread nickel-plated



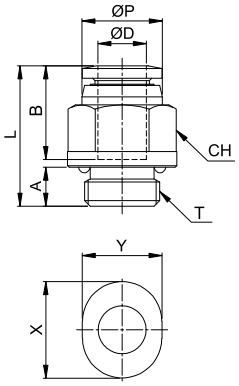


CODE	ØD	T	ØP	A	B	L	CH	X	Y	DN	g
PC-C04R01	4	R1/8"	8,0	8,0	11,7	16,7	10	10,4	8,2	3,0	6,0
PC-C06R01	6	R1/8"	10,0	8,0	12,7	18,9	10	12,4	10,2	5,0	7,0

PC-C-G

Compact male connector BSPP & metric thread nickel-plated



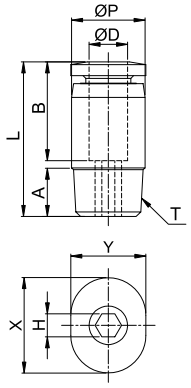


CODE	ØD	T	ØP	A	B	L	CH	X	Y	DN	g
PC-C03M3	3	M3x0,5P	7,0	3,0	11,2	16,1	7	9,2	7,2	1,5	3,0
PC-C03M5		M5x0,8P	7,2	3,6	11,2	16,3	8	9,2	7,2	2,0	4,0
PC-C03M6		M6x1,0P	7,2	4,1	11,2	16,3	8	9,2	7,2	2,0	4,0
PC-C04M3	4	M3x0,5P	8,0	3,0	11,7	16,8	8	10,4	8,2	1,5	4,0
PC-C04M5		M5x0,8P	8,0	3,6	11,7	17,1	8	10,4	8,2	2,5	4,0
PC-C04M6		M6x1,0P	8,0	4,1	11,7	17,7	8	10,4	8,2	3,0	4,0
PC-C04G01		G 1/8"	8,3	5,0	11,7	17,4	12	10,4	8,2	3,0	8,0
PC-C06M5	6	M5x0,8P	10,0	3,6	12,7	18,6	10	12,4	10,2	2,5	5,0
PC-C06M6		M6x1,0P	10,0	4,1	12,7	18,9	10	12,4	10,2	3,0	6,0
PC-C06G01		G 1/8"	10,3	5,0	12,7	17,9	12	12,4	10,2	5,0	9,0

POC-C-R

Compact male connector round body with internal hexagon BSPT thread nickel-plated



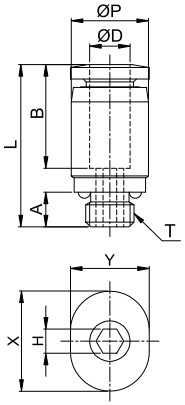


CODE	ØD	T	ØP	A	B	L	H	X	Y	DN	g
POC-C04R01	4	R 1/8"	10	8,0	11,7	15,7	3	10,4	8,2	3,0	5,0
POC-C06R01	6	R 1/8"	10	8,0	12,7	18,9	4	12,4	10,2	4,0	6,0

POC-C-M

Compact male connector round body with internal hexagon metric thread nickel-plated



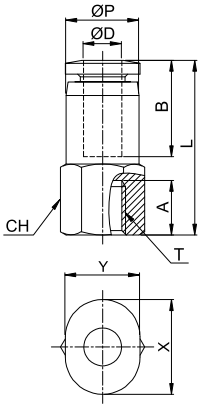


CODE	ØD	T	ØP	A	B	L	H	X	Y	DN	g
POC-C03M3	3	M3x0,5P	7	3,0	11,2	16,1	1,5	9,2	7,2	1,5	2,0
POC-C03M5		M5x0,8P	7	3,6	11,2	16,3	2,0	9,2	7,2	2,0	2,0
POC-C03M6		M6x1,0P	8	4,1	11,2	16,7	2,0	9,2	7,2	2,0	4,0
POC-C04M3	4	M3x0,5P	8	3,0	11,7	16,8	1,5	10,4	8,2	1,5	3,0
POC-C04M5		M5x0,8P	8	3,6	11,7	16,9	2,5	10,4	8,2	2,5	4,0
POC-C04M6		M6x1,0P	8	4,1	11,7	17,2	3,0	10,4	8,2	3,0	4,0
POC-C06M5	6	M5x0,8P	10	3,6	12,7	18,6	2,5	12,4	10,2	2,5	5,0
POC-C06M6		M6x1,0P	10	4,1	12,7	18,6	3,0	12,4	10,2	3,0	5,0

PCF-C-M

Compact female connector metric thread nickel-plated



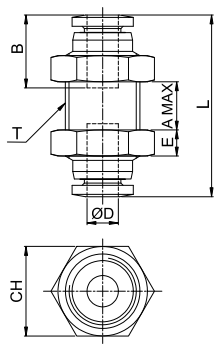


CODE	ØD	T	ØP	A	B	L	CH	X	Y	DN	g
PCF-C03M3	3	M3x0,5P	7,5	4,0	11,2	16,2	8	9,2	7,2	2,5	2,0
PCF-C03M5		M5x0,8P	7,5	6,0	11,2	18,7	8	9,2	7,2	2,5	2,0
PCF-C03M6		M6x1,0P	7,5	6,0	11,2	18,7	8	9,2	7,2	2,5	2,4
PCF-C04M3	4	M3x0,5P	8,0	4,0	11,7	17,7	8	10,4	8,2	2,5	3,0
PCF-C04M5		M5x0,8P	8,0	6,0	11,7	19,2	8	10,4	8,2	3,0	4,0
PCF-C04M6		M6x1,0P	8,0	6,0	11,7	19,2	8	10,4	8,2	3,0	4,0
PCF-C06M5	6	M5x0,8P	10,0	6,0	12,7	19,7	10	12,4	10,2	4,0	5,0
PCF-C06M6		M6x1,0P	10,0	6,0	12,7	19,7	10	12,4	10,2	4,0	5,0

PMM-C

Compact bulkhead connector nickel-plated



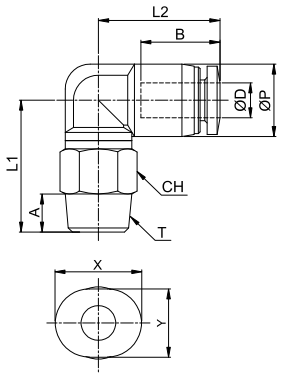


CODE	ØD	T	B	A MAX	L	E	CH	DN	g
PMM-C03	3	M8x0,75P	11,2	7,1	23,4	3,0	10	2,0	6,0
PMM-C04	4	M10x1,0P	11,7	6,5	24,3	3,5	12	3,0	10,0
PMM-C06	6	M12x1,0P	12,7	8,0	26,9	4,0	14	5,0	14,0

PL-C-R

Compact swivel male elbow BSPT thread nickel-plated



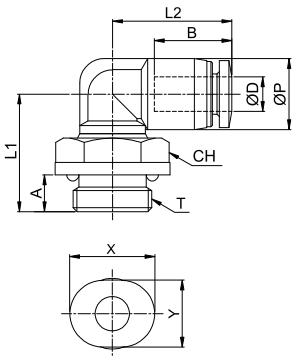


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PL-C04R01	4	R 1/8"	8,7	8,0	11,8	16,4	14,6	10	10,4	8,2	3,0	7,0
PL-C06R01	6	R 1/8"	10,8	8,0	12,8	17,4	15,5	10	12,4	10,2	3,0	7,0

PL-C-G

Compact swivel male elbow BSPP & metric thread nickel-plated



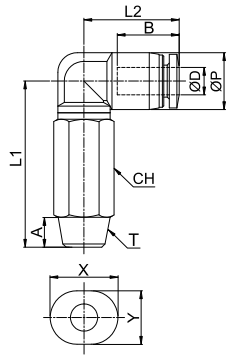


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PL-C03M3	3	M3x0,5P	7,6	3,0	11,3	14,7	13,5	8	9,2	7,2	1,5	4,0
PL-C03M5		M5x0,8P	7,6	3,6	11,3	15,3	13,5	8	9,2	7,2	2,5	4,0
PL-C03M6		M6x1,0P	7,6	4,1	11,3	15,8	13,5	8	9,2	7,2	2,5	4,0
PL-C04M3	4	M3x0,5P	8,7	3,0	11,8	15,3	14,6	8	10,4	8,2	1,5	4,0
PL-C04M5		M5x0,8P	8,7	3,6	11,8	15,9	14,6	8	10,4	8,2	2,5	4,0
PL-C04M6		M6x1,0P	8,7	4,1	11,8	16,4	14,6	8	10,4	8,2	3,0	4,0
PL-C04G01		G 1/8"	8,7	4,5	11,8	14,4	14,6	14	10,4	8,2	3,0	7,0
PL-C06M5	6	M5x0,8P	10,8	3,6	12,9	16,9	15,5	8	12,4	10,2	2,5	4,0
PL-C06M6		M6x1,0P	10,8	4,1	12,9	17,4	15,5	8	12,4	10,2	3,0	5,0
PL-C06G01		G 1/8"	10,8	4,5	12,9	15,4	15,5	14	12,4	10,2	3,0	6,0

PLL-C-R

Compact long swivel male elbow BSPT thread nickel-plated



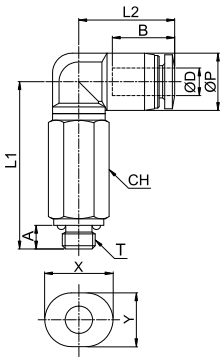


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PLL-C04R01	4	R 1/8"	8,7	8,0	11,8	29,4	14,6	10	10,4	8,2	3,0	13,0
PLL-C06R01	6	R 1/8"	10,8	8,0	12,8	32,4	15,5	10	12,4	10,2	3,0	14,0

PLL-C-M

Compact long swivel male elbow metric thread nickel-plated



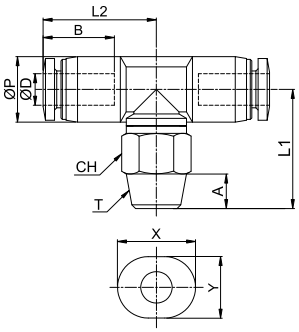


CODE	ØD	T	ØP	A	B	L1	L2	H	X	Y	DN	g
PLL-C03M3	3	M3x0,5P	7,5	3,0	11,3	21,8	13,5	8	9,2	7,2	1,5	6,0
PLL-C03M5		M5x0,8P	7,5	3,6	11,3	23,9	13,5	8	9,2	7,2	2,5	7,0
PLL-C03M6		M6x1,0P	7,5	4,1	11,3	24,4	13,5	8	9,2	7,2	2,5	7,0
PLL-C04M3	4	M3x0,5P	8,7	3,0	11,8	24,9	14,6	8	10,4	8,2	1,5	8,0
PLL-C04M5		M5x0,8P	8,7	3,6	11,8	25,5	14,6	8	10,4	8,2	2,5	8,0
PLL-C04M6		M6x1,0P	8,7	4,1	11,8	26,0	14,6	8	10,4	8,2	2,5	8,0
PLL-C06M5	6	M5x0,8P	10,8	3,6	12,8	28,4	15,5	8	12,4	10,2	2,5	9,0
PLL-C06M6		M6x1,0P	10,8	4,1	12,8	28,9	15,5	8	12,4	10,2	2,5	9,0

PT-C-R

Compact swivel male central tee BSPT thread nickel-plated



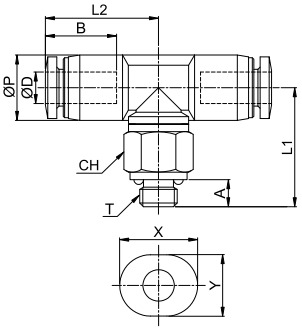


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PT-C04R01	4	R 1/8"	8,7	8,0	11,8	16,4	15,1	10	10,4	8,2	3,0	7,0
PT-C06R01	6	R 1/8"	10,8	8,0	12,8	17,4	16,0	10	12,4	10,2	3,0	9,0

PT-C-M

Compact swivel male central tee metric thread nickel-plated



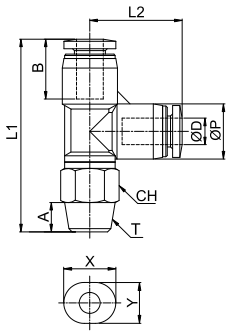


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PT-C03M3	3	M3x0,5P	7,6	3,0	11,3	14,7	14,5	8	9,2	7,2	1,5	4,0
PT-C03M5		M5x0,8P	7,6	3,6	11,3	15,3	14,5	8	9,2	7,2	2,5	5,0
PT-C03M6		M6x1,0P	7,6	4,1	11,3	15,8	14,5	8	9,2	7,2	2,5	5,0
PT-C04M3	4	M3x0,5P	8,7	3,0	11,8	15,3	15,1	8	10,4	8,2	1,5	5,0
PT-C04M5		M5x0,8P	8,7	3,6	11,8	15,9	15,1	8	10,4	8,2	2,5	5,0
PT-C04M6		M6x1,0P	8,7	4,1	11,8	16,4	15,1	8	10,4	8,2	3,0	6,0
PT-C06M5	6	M5x0,8P	10,8	3,6	12,8	16,9	16,0	8	12,4	10,2	2,5	7,0
PT-C06M6		M6x1,0P	10,8	4,1	12,8	17,4	16,0	8	12,4	10,2	3,0	7,0

PST-C-R

Compact swivel lateral male tee BSPT thread nickel-plated



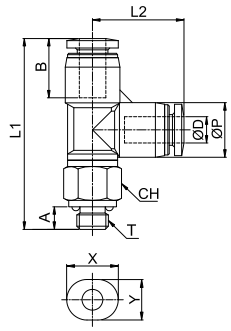


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PST-C04R01	4	R 1/8"	8,7	8,0	11,8	30,9	14,6	10	10,4	8,2	3,0	9,0
PST-C06R01	6	R 1/8"	10,8	8,0	12,8	33,9	16,5	10	12,4	10,2	3,0	10,0

PST-C-M

Compact swivel lateral male tee metric thread nickel-plated



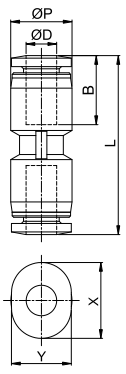


CODE	ØD	T	ØP	A	B	L1	L2	CH	X	Y	DN	g
PST-C03M3	3	M3x0,5P	7,6	3,0	11,3	28,3	13,6	8	9,2	7,2	1,5	4,0
PST-C03M5		M5x0,8P	7,6	3,6	11,3	28,9	13,6	8	9,2	7,2	2,5	5,0
PST-C03M6		M6x1,0P	7,6	4,1	11,3	29,4	13,6	8	9,2	7,2	2,5	5,0
PST-C04M3	4	M3x0,5P	8,7	3,0	11,8	29,8	14,6	8	10,4	8,2	1,5	5,0
PST-C04M5		M5x0,8P	8,7	3,6	11,8	30,4	14,6	8	10,4	8,2	2,5	6,0
PST-C04M6		M6x1,0P	8,7	4,1	11,8	30,9	14,6	8	10,4	8,2	3,0	6,0
PST-C06M5	6	M5x0,8P	10,8	3,6	12,8	33,4	16,5	8	12,4	10,2	2,5	7,0
PST-C06M6		M6x1,0P	10,8	4,1	12,8	33,9	16,5	8	12,4	10,2	3,0	7,0

PUC-C

Compact union connector



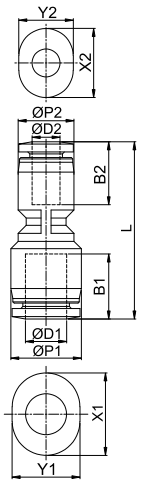


CODE	ØD	ØP	B	L	X	Y	DN	g
PUC-C03	3	7,5	11,4	23,8	9,2	7,2	2,4	3,0
PUC-C04	4	8,4	11,8	24,5	10,4	8,2	3,0	3,0
PUC-C06	6	10,6	12,9	26,8	12,4	10,2	4,0	3,0

PG-C

Compact reduced union connector



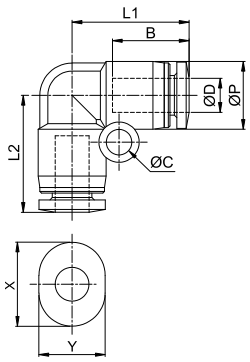


CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L	X1	Y1	X2	Y2	DN	g
PG-C0403	4	3	8,4	7,5	11,8	11,4	24,2	10,4	8,2	9,2	7,2	2,4	3,0
PG-C0603	6	3	10,6	7,5	12,9	11,4	26,3	12,4	10,2	9,2	7,2	2,5	3,0
PG-C0604	6	4	10,6	8,4	12,9	11,8	26,6	12,4	10,2	10,4	8,2	3,0	3,0

PUL-C

Compact union elbow



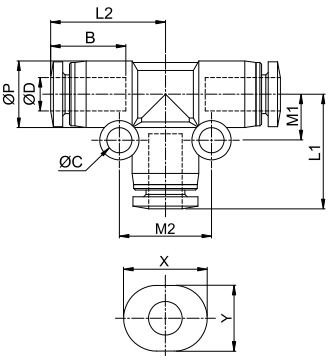


CODE	ØD	ØP	ØC	B	L1	L2	X	Y	DN	g
PUL-C03	3	7,5	3,2	11,4	17,3	17,3	9,2	7,2	2,4	2,0
PUL-C04	4	8,4	3,2	11,8	18,7	18,7	10,4	8,2	3,0	3,0
PUL-C06	6	10,6	3,2	12,9	21,9	21,9	12,4	10,2	4,0	3,0

PUT-C

Compact union tee





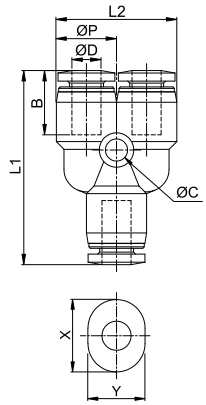
CODE	ØD	ØP	ØC	B	L1	L2	M1	M2	X	Y	DN	g
PUT-C03	3	7,5	3,2	11,4	17,3	27,2	5,3	10,7	9,2	7,2	2,4	3,0
PUT-C04	4	8,4	3,2	11,8	18,7	28,9	5,8	11,6	10,4	8,2	3,0	3,0
PUT-C06	6	10,6	3,2	12,9	21,9	33,2	6,9	13,8	12,4	10,2	4,0	6,0

drawings and technical data are not binding & can be changed without notice

PY-C

Compact union Y



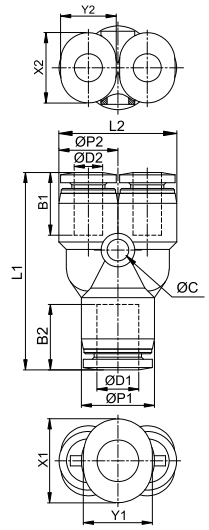


CODE	ØD	ØP	ØC	B	L1	L2	X	Y	DN	g
PY-C03	3	7,6	3,2	11,4	27,0	15,2	9,2	7,2	2,4	3,0
PY-C04	4	8,7	3,2	11,8	28,0	17,4	10,4	8,2	3,0	5,0
PY-C06	6	10,8	3,2	12,9	30,8	21,6	12,4	10,2	4,0	6,0

PW-C

Compact reduced union Y



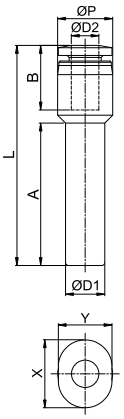


CODE	ØD1	ØD2	ØP1	ØP2	ØC	B1	B2	L1	L2	X1	X2	Y1	Y2	DN	g
PW-C0403	4	3	8,7	7,6	3,2	11,8	11,4	27,6	15,2	10,4	8,2	9,2	7,2	2,0	3,0
PW-C0603	6	3	10,8	7,6	3,2	12,9	11,4	28,8	15,2	12,4	10,2	9,2	7,2	2,4	4,0
PW-C0604	6	4	10,8	8,7	3,2	12,9	11,8	29,1	17,4	12,4	10,2	10,4	8,2	3,0	5,0

PGJ-C

Compact reduced





CODE	ØD1	ØD2	ØP	A	B	L	X	Y	DN	g
PGJ-C0403	4	3	7,6	18,0	11,4	30,5	9,2	7,2	2,4	1,0
PGJ-C0603	6	3	7,6	21,6	11,4	32,1	9,2	7,2	2,4	2,0
PGJ-C0604	6	4	8,4	21,8	11,8	33,7	10,4	8,2	3,0	3,0



PUSH-IN FITTINGS M SERIES

PLUS

COMPACT AND EXTREMELY LIGHTWEIGHT

EXCELLENT RESISTANCE TO VACUUM

CAN BE USED WITH WATER FOR INDUSTRIAL APPLICATIONS

Available in parallel **BSPP THREAD** & metric with sealing O-ring and taper **BSPT THREAD** with teflon pre-coated thread

AVAILABLE SMP FITTING SERIES IN STAINLESS STEEL AISI 303

WIDE RANGE OF DIAMETERS AVAILABLE with optimization of flow rates

Working pressure up to **20 BAR** and temperature range **-20°C ÷ 80°C**



p. 47 / **MPC-R**



p. 47 / **MPC-G**



p. 48 / **MPL-R**



p. 48 / **MPL-G**



p. 49 / **MPT-R**



p. 49 / **MPT-G**



p. 50 / **MPUC**



p. 50 / **MPG**



p. 50 / **MPUL**



p. 51 / **MPUT**



p. 51 / **MPY**



p. 51 / **SCPW**

SMP SERIES / STAINLESS STEEL AISI 303 & PA66



p. 52 / **SMPC-R**



p. 52 / **SMPL-R**

QUICK EXHAUST VALVES / PA66



p. 53 / **MEVU**



p. 54 / **MEVS**

BANJO FLOW REGULATORS / NICKEL-PLATED BRASS & PA66



p. 57 / **MSC-R**

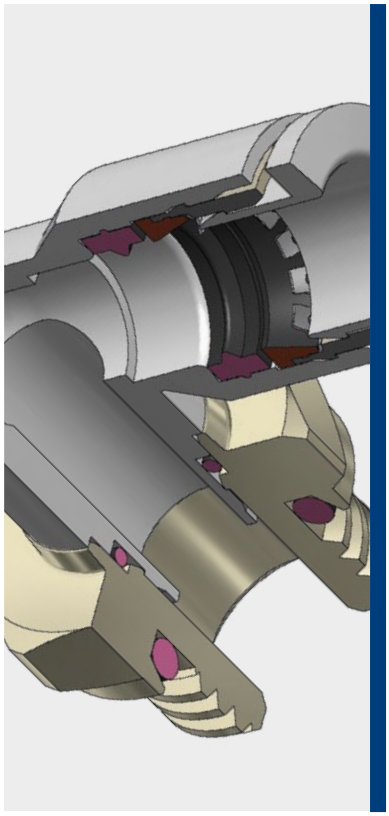


p. 57 / **MSC-G**

FLAT FLOW REGULATORS / NICKEL-PLATED BRASS & PA66



p. 58 / **MSF**



-20°C ÷ 80°C dry air
1°C ÷ 80°C air, vacuum, and water for industrial applications

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 99 kPa)
Pressure peaks do not exceed the max working pressure

Compressed air, vacuum and industrial water

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2" with OR
- Metric ISO 262
  M5 and M6 with OR

Polyamide PA, polyurethane
PU, polyethylene PE, FEP, PTFE

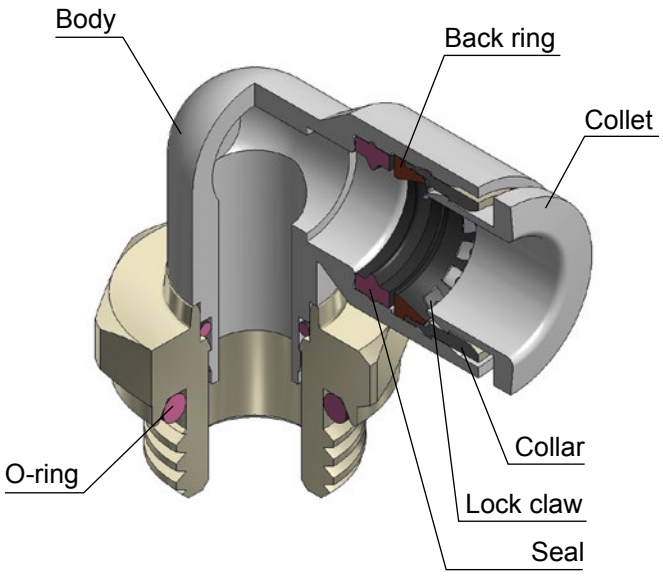
Body: Nickel-plated brass and PA66
Stainless steel AISI 303 (SMP Series)
O-Ring: NBR
Back ring: PA66
POM (MPC - MPC-G)
POM (SMP Series)
Seal: NBR
Lock claw: Stainless steel AISI 301
Collar: PA66
Collet: PA66

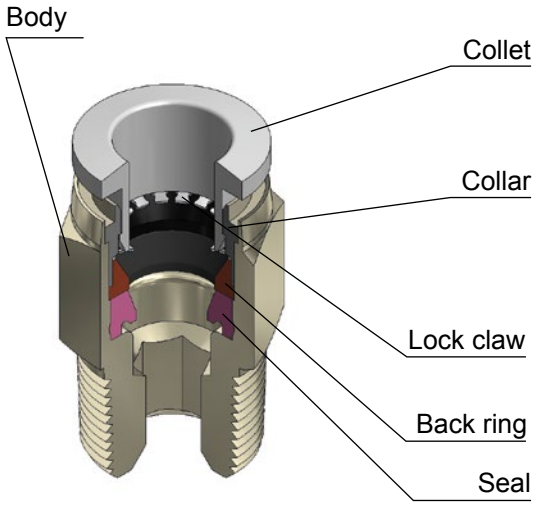
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

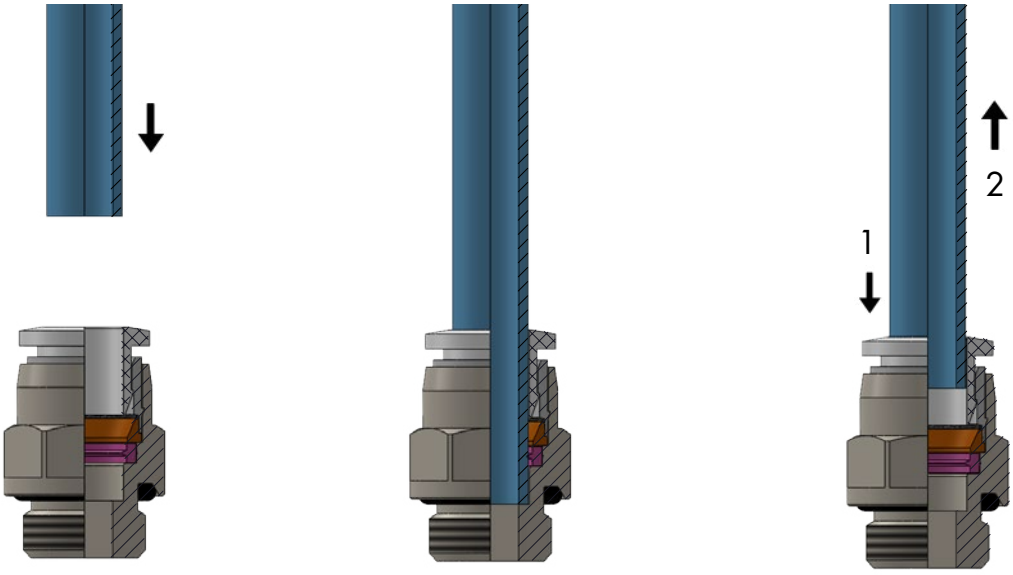
THREAD	M5x0,8	M6x1,0	1/8"	1/4"	3/8"	1/2"
Nm	1,5	2,3	10	15	25	40

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,1	± 0,15

INSERTION DEPTH - METRIC TUBE

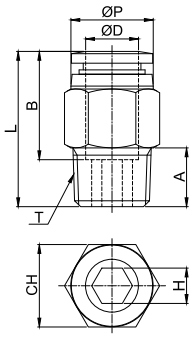
Ø TUBE (mm)	4	6	8	10	12
TUBE INSERTION LENGHT (mm)	12	14,5	16,5	19	21

drawings and technical data are not binding & can be changed without notice

MPC-R

Male connector BSPT thread



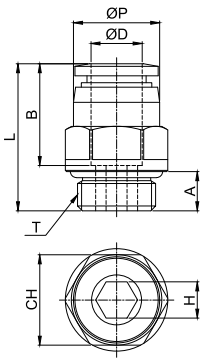


CODE	ØD	T	ØP	A	B	L	CH	H	DN	g
MPC04R01W	4	R 1/8"	10	8	14,8	22,0	10	3	3	9,0
MPC04R02W		R 1/4"	10	10	14,8	21,0	14	3	3	16,0
MPC04R03W		R 3/8"	10	11	14,8	22,0	17	3	3	28,0
MPC06R01W	6	R 1/8"	12	8	16,4	23,4	12	4	4	10,0
MPC06R02W		R 1/4"	12	10	16,4	21,9	14	5	5	14,0
MPC06R03W		R 3/8"	12	11	16,4	22,9	17	5	5	25,0
MPC06R04W		R 1/2"	12	14	16,4	29,2	19	5	5	53,0
MPC08R01W	8	R 1/8"	14	8	18,4	28,4	14	5	5	15,0
MPC08R02W		R 1/4"	14	10	18,4	26,4	14	6	6	16,0
MPC08R03W		R 3/8"	14	11	18,4	23,9	17	6	6	24,0
MPC08R04W		R 1/2"	14	14	18,4	29,4	19	6	6	49,0
MPC10R01W	10	R 1/8"	16,1	8	19,7	29,9	17	5	5	21,0
MPC10R02W		R 1/4"	16,1	10	19,7	31,4	17	6	6	24,0
MPC10R03W		R 3/8"	16,1	11	19,7	27,5	17	8	8	24,0
MPC10R04W		R 1/2"	16,1	14	19,7	29,9	19	8	8	45,0
MPC12R01W	12	R 1/8"	19	8	21,9	33,2	19	5	5	30,0
MPC12R02W		R 1/4"	19	10	21,9	33,7	19	6	6	30,0
MPC12R03W		R 3/8"	19	11	21,9	30,7	19	8	8	29,0
MPC12R04W		R 1/2"	19	14	21,9	30,2	19	8	8	38,0

MPC-G

Male connector BSPP & metric thread



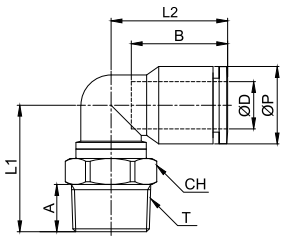


CODE	ØD	T	ØP	A	B	L	CH	H	DN	g
MPC04M5W	4	M5x0,8p	10,0	4,0	14,8	20,9	10	-	2,5	7,0
MPC04M6W		M6x1,0p	10,0	4,1	14,8	20,9	10	-	3	8,0
MPC04G01W		G 1/8"	10,3	5,0	14,8	20,0	13	3	3	11,0
MPC04G02W		G 1/4"	10,3	6,5	14,8	21,5	15	3	3	19,0
MPC04G03W		G 3/8"	10,3	6,5	14,8	21,5	17	3	3	28,0
MPC06M5W	6	M5x0,8p	12,0	4,0	16,4	23,1	12	-	2,5	10,0
MPC06M6W		M6x1,0p	12,0	4,1	16,4	23,0	12	-	3	10,0
MPC06G01W		G 1/8"	12,3	5,0	16,4	21,2	13	4	4	10,0
MPC06G02W		G 1/4"	12,3	6,5	16,4	23,2	15	5	5	17,0
MPC06G03W		G 3/8"	12,3	6,5	16,4	22,2	17	5	5	23,0
MPC08G01W	8	G 1/8"	14,3	5,0	18,4	26,9	15	5	5	17,0
MPC08G02W		G 1/4"	14,3	6,5	18,4	24,4	15	6	6	16,0
MPC08G03W		G 3/8"	14,3	6,5	18,4	23,4	17	6	6	24,0
MPC08G04W		G 1/2"	14,3	8,0	18,4	23,9	21	6	6	38,0
MPC10G01W	10	G 1/8"	16,5	5,0	19,7	28,9	17	5	5	22,0
MPC10G02W		G 1/4"	16,5	6,5	19,7	28,9	17	6	6	23,0
MPC10G03W		G 3/8"	16,5	6,5	19,7	25,4	17	8	8	20,0
MPC10G04W		G 1/2"	16,5	8,0	19,7	25,9	21	8	8	39,0
MPC12G02W	12	G 1/4"	19,0	6,5	21,9	31,7	19	6	6	29,0
MPC12G03W		G 3/8"	19,0	6,5	21,9	27,2	19	8	8	23,0
MPC12G04W		G 1/2"	19,0	8,0	21,9	28,2	21	8	8	36,0

MPL-R

Swivel male elbow BSPT thread



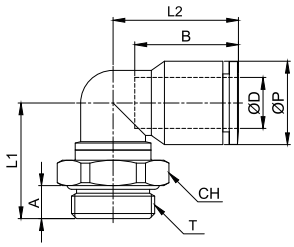


CODE	ØD	T	ØP	A	B	L1	L2	CH	DN	g
MPL04R01W	4	R 1/8"	9,3	7	13,0	18,7	15,6	10	3,5	6,7
MPL04R02W		R 1/4"	9,3	10	13,0	21,7	15,6	14	3,5	12,6
MPL04R03W		R 3/8"	9,3	10	13,0	21,7	15,6	17	3,5	19,1
MPL06R01W	6	R 1/8"	11,5	7	15,0	20,0	17,3	10	3,5	7,2
MPL06R02W		R 1/4"	11,5	10	15,0	23,0	17,3	14	3,5	13,2
MPL06R03W		R 3/8"	11,5	10	15,0	23,0	17,3	17	3,5	19,6
MPL08R01W	8	R 1/8"	13,6	7	16,9	21,8	21,2	10	4	6,3
MPL08R02W		R 1/4"	13,6	10	16,9	24,8	21,2	14	4	13,1
MPL08R03W		R 3/8"	13,6	10	16,9	24,8	21,2	17	4	19,6
MPL08R04W		R 1/2"	13,6	13	16,9	27,3	21,2	21	4	34,6
MPL10R02W	10	R 1/4"	16,4	10	18,9	26,8	24,6	15	9	14,0
MPL10R03W		R 3/8"	16,4	10	18,9	26,8	24,6	17	9	19,5
MPL10R04W		R 1/2"	16,4	13	18,9	29,8	24,6	21	9	33,4
MPL12R02W	12	R 1/4"	19,5	10	21,4	28,5	28,7	15	9,8	16,1
MPL12R03W		R 3/8"	19,5	10	21,4	28,5	28,7	17	9,8	21,6
MPL12R04W		R 1/2"	19,5	13	21,4	31,5	28,7	21	9,8	35,5

MPL-G

Swivel male elbow BSPP & metric thread





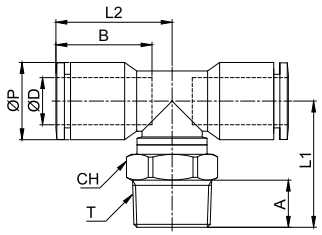
CODE	ØD	T	ØP	A	B	L1	L2	CH	DN	g
MPL04M5W	4	M5x0,8p	9,3	4	13,0	16,2	15,6	9	2,2	3,5
MPL04M6W		M6x1,0p	9,3	4	13,0	16,2	15,6	9	3	3,7
MPL04G01W		G 1/8"	9,3	5	13,0	16,7	15,6	14	3,5	8,2
MPL04G02W		G 1/4"	9,3	6,5	13,0	18,7	15,6	17	3,5	13,4
MPL04G03W		G 3/8"	9,3	6,5	13,0	18,2	15,6	20	3,5	19,1
MPL04G04W		G 1/2"	9,3	8	13,0	19,7	15,6	24	3,5	31,7
MPL06M5W	6	M5x0,8p	11,5	4	15,0	17,5	17,3	9	2,2	4,0
MPL06M6W		M6x1,0p	11,5	4	15,0	17,5	17,3	9	3	4,2
MPL06G01W		G 1/8"	11,5	5	15,0	18,0	17,3	14	4	8,7
MPL06G02W		G 1/4"	11,5	6,5	15,0	20,0	17,3	17	4	14,0
MPL06G03W		G 3/8"	11,5	6,5	15,0	19,5	17,3	20	4	19,7
MPL06G04W		G 1/2"	11,5	8	15,0	21,0	17,3	24	4	32,3
MPL08G01W	8	G 1/8"	13,6	5	16,9	21,8	21,2	14	6	10,3
MPL08G02W		G 1/4"	13,6	6,5	16,9	21,8	21,2	17	6	14,4
MPL08G03W		G 3/8"	13,6	6,5	16,9	21,3	21,2	20	6	19,4
MPL08G04W		G 1/2"	13,6	8	16,9	22,8	21,2	24	6	31,6
MPL10G01W	10	G 1/8"	16,4	5	18,9	23,3	24,6	17	9	13,9
MPL10G02W		G 1/4"	16,4	6,5	18,9	24,7	24,6	17	9	16,5
MPL10G03W		G 3/8"	16,4	6,5	18,9	22,8	24,6	20	9	20,0
MPL10G04W		G 1/2"	16,4	8	18,9	24,3	24,6	24	9	30,5
MPL12G01W	12	G 1/8"	19,5	5	21,4	25,0	28,7	17	9,6	15,5
MPL12G02W		G 1/4"	19,5	6,5	21,4	26,4	28,7	17	9,6	18,1
MPL12G03W		G 3/8"	19,5	6,5	21,4	24,5	28,7	20	9,6	21,6
MPL12G04W		G 1/2"	19,5	8	21,4	26,0	28,7	24	9,6	32,1

drawings and technical data are not binding & can be changed without notice

MPT-R

Swivel male central Tee BSPT thread



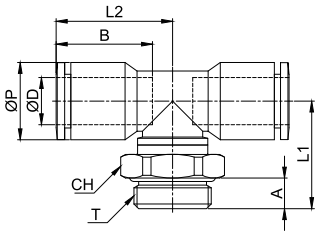


CODE	ØD	T	ØP	A	B	L1	L2	CH	DN	g
MPT04R01W	4	R 1/8"	9,3	7	13,0	18,7	15,6	10	3,5	7,4
MPT04R02W		R 1/4"	9,3	10	13,0	21,7	15,6	14	3,5	13,3
MPT04R03W		R 3/8"	9,3	10	13,0	21,7	15,6	17	3,5	19,8
MPT06R01W	6	R 1/8"	11,5	7	15,0	20,0	17,3	10	3,5	8,4
MPT06R02W		R 1/4"	11,5	10	15,0	23,0	17,3	14	3,5	14,4
MPT06R03W		R 3/8"	11,5	10	15,0	23,0	17,3	17	3,5	20,8
MPT08R01W	8	R 1/8"	13,6	7	16,9	21,8	21,2	10	4	7,9
MPT08R02W		R 1/4"	13,6	10	16,9	24,8	21,2	14	4	14,7
MPT08R03W		R 3/8"	13,6	10	16,9	24,8	21,2	17	4	21,2
MPT08R04W		R 1/2"	13,6	13	16,9	27,3	21,2	21	4	36,1
MPT10R02W	10	R 1/4"	16,4	10	18,9	26,8	24,6	15	9	16,4
MPT10R03W		R 3/8"	16,4	10	18,9	26,8	24,6	17	9	22,0
MPT10R04W		R 1/2"	16,4	13	18,9	29,8	24,6	21	9	35,9
MPT12R02W	12	R 1/4"	19,5	10	21,4	28,5	28,7	15	9,8	20,2
MPT12R03W		R 3/8"	19,5	10	21,4	28,5	28,7	17	9,8	25,8
MPT12R04W		R 1/2"	19,5	13	21,4	31,5	28,7	21	9,8	39,7

MPT-G

Swivel male central Tee BSPP & metric thread

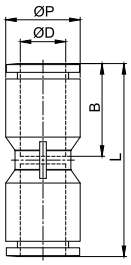




CODE	ØD	T	ØP	A	B	L1	L2	CH	DN	g
MPT04M5W	4	M5x0,8p	9,3	4	13,0	16,2	15,5	9	2,2	4,2
MPT04G01W		G 1/8"	9,3	5	13,0	16,7	15,6	14	3,5	8,9
MPT04G02W		G 1/4"	9,3	6,5	13,0	18,7	15,6	17	3,5	14,1
MPT04G03W		G 3/8"	9,3	6,5	13,0	18,2	15,6	20	3,5	19,8
MPT04G04W		G 1/2"	9,3	8	13,0	19,7	15,6	24	3,5	32,4
MPT06M5W	6	M5x0,8p	11,5	4	15,0	17,5	17,3	9	2,2	5,1
MPT06G01W		G 1/8"	11,5	5	15,0	18,0	17,3	14	4,0	9,9
MPT06G02W		G 1/4"	11,5	6,5	15,0	20,0	17,3	17	4,0	15,2
MPT06G03W		G 3/8"	11,5	6,5	15,0	19,5	17,3	20	4,0	20,9
MPT06G04W		G 1/2"	11,5	8	15,0	21,0	17,3	24	4,0	33,5
MPT08G01W	8	G 1/8"	13,6	5	16,9	21,8	21,2	14	6,0	11,9
MPT08G02W		G 1/4"	13,6	6,5	16,9	21,8	21,2	17	6,0	16,0
MPT08G03W		G 3/8"	13,6	6,5	16,9	21,3	21,2	20	6,0	21,0
MPT08G04W		G 1/2"	13,6	8	16,9	22,8	21,2	24	6,0	33,2
MPT10G01W	10	G 1/8"	16,4	5	18,9	23,3	24,6	17	9,0	16,4
MPT10G02W		G 1/4"	16,4	6,5	18,9	24,7	24,6	17	9,0	19,0
MPT10G03W		G 3/8"	16,4	6,5	18,9	22,8	24,6	20	9,0	22,5
MPT10G04W		G 1/2"	16,4	8	18,9	24,3	24,6	24	9,0	33,0
MPT12G01W	12	G 1/8"	19,5	5	21,4	25,0	28,7	17	9,6	19,5
MPT12G02W		G 1/4"	19,5	6,5	21,4	26,4	28,7	17	9,6	22,1
MPT12G03W		G 3/8"	19,5	6,5	21,4	24,5	28,7	20	9,6	25,6
MPT12G04W		G 1/2"	19,5	8	21,4	26,0	28,7	24	9,6	36,1

MPUC — Union connector

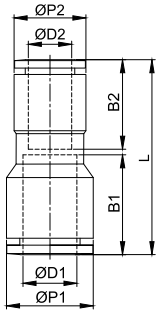




CODE	ØD	ØP	B	L	DN	g
MPUC04W	4	9,3	13,0	27,0	3,5	1,5
MPUC06W	6	11,5	15,0	31,2	5	2,4
MPUC08W	8	13,6	16,9	35,3	7	3,4
MPUC10W	10	16,4	18,9	39,6	9	5,4
MPUC12W	12	19,5	21,4	44,6	11	8,6

MPG — Reduced union connector

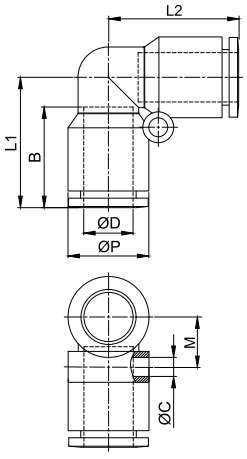




CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L	DN	g
MPG0604W	6	4	11,5	9,3	15,0	13,0	29,1	3,5	1,8
MPG0804W	8	4	13,6	9,3	16,9	13,0	32,4	3,5	2,3
MPG0806W	8	6	13,6	11,5	16,9	15,0	32,9	5	2,7
MPG1006W	10	6	16,4	11,5	19,8	15,0	35,0	5	3,7
MPG1008W	10	8	16,4	13,6	19,8	16,9	36,9	7	4,1
MPG1208W	12	8	19,5	13,6	21,4	16,9	40,1	7	5,7
MPG1210W	12	10	19,5	16,4	21,4	19,8	40,4	9	6,5

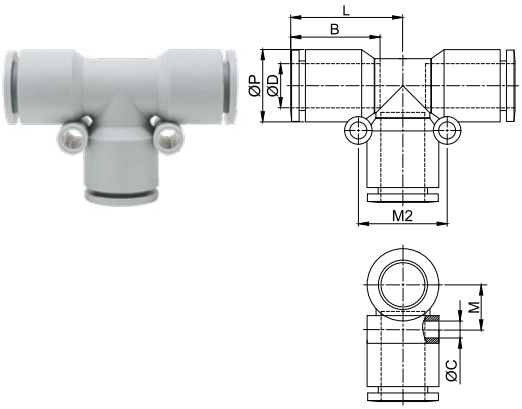
MPUL — Union elbow





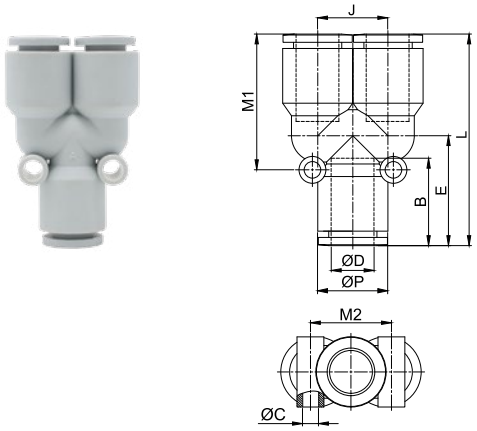
CODE	ØD	ØP	ØC	B	M	L1	L2	DN	g
MPUL04W	4	9,3	3,2	13,0	6,3	15,5	15,5	3,5	1,7
MPUL06W	6	11,5	3,2	15,0	7,4	18,9	18,9	5	2,8
MPUL08W	8	13,6	3,2	16,9	8,4	21,9	21,9	7	4,2
MPUL10W	10	16,4	4,2	19,8	10,3	25,1	25,1	9	6,5
MPUL12W	12	19,5	4,2	21,4	11,9	28,8	28,8	11	10,4

MPUT — Union Tee



CODE	ØD	ØP	ØC	B	M1	M2	L	DN	g
MPUT04W	4	9,3	3,2	13,0	6,3	12,6	15,5	3,5	2,6
MPUT06W	6	11,5	3,2	15,0	7,4	14,8	18,9	5	4,2
MPUT08W	8	13,6	3,2	16,9	8,4	16,8	21,9	7	5,8
MPUT10W	10	16,4	4,2	18,9	10,3	20,6	25,1	9	9,5
MPUT12W	12	19,5	4,2	21,4	11,9	23,8	28,8	11	14,9

MPY — Union Y



CODE	ØD	ØP	ØC	B	E	M1	M2	J	L	DN	g
MPY04W	4	9,3	3,2	13,0	16,1	19,6	11,7	9,3	31,0	3,5	2,6
MPY06W	6	11,5	3,2	15,0	18,9	22,8	13,6	11,5	36,2	5	4,3
MPY08W	8	13,6	3,2	16,9	21,3	26,3	15,7	13,6	41,0	7	6,2
MPY10W	10	16,4	4,2	18,9	23,9	31	20,1	16,4	46,6	9	10,3
MPY12W	12	19,5	4,2	21,4	25,5	36	22,4	19,5	55,0	11	15,8

SCPW — Anti-spark cover

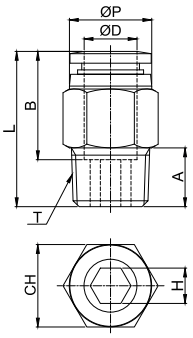


CODE	ØD1 TUBO	ØD2	ØP1	ØP2	L	g
SCPW08	10	13,4	12,6	16	29,0	2,2
SCPW10	12	16,2	14,6	18,8	31,5	3,0

SMPC-R

Male connector BSPT & metric thread, stainless steel AISI 303



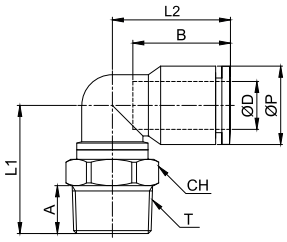


CODE	ØD	T	ØP	A	B	L	CH	H	DN	g
SMPC04M5W	4	M5x0,8p	10	4	14,8	20,9	10	-	2,5	5,3
SMPC04R01W		R 1/8"	10	8	14,8	22,0	10	3	3	7,0
SMPC06M5W	6	M5x0,8p	12	4	16,4	23,1	12	-	2,5	7,2
SMPC06R01W		R 1/8"	12	8	16,4	23,4	12	4	4	7,8
SMPC06R02W		R 1/4"	12	10	16,4	21,9	14	5	5	11,6
SMPC06R03W		R 3/8"	12	11	16,4	22,9	17	5	5	26,6
SMPC08R01W	8	R 1/8"	14	8	18,4	28,4	14	5	5	11,7
SMPC08R02W		R 1/4"	14	10	18,4	26,4	14	6	6	12,0
SMPC08R03W		R 3/8"	14	11	18,4	23,9	17	6	6	19,9
SMPC08R04W		R 1/2"	14	14	18,4	29,4	19	6	6	49,3
SMPC10R02W	10	R 1/4"	16,1	10	19,7	31,4	17	6	6	19,3
SMPC10R03W		R 3/8"	16,1	11	19,7	27,5	17	8	8	20,1
SMPC10R04W		R 1/2"	16,1	14	19,7	29,9	19	8	8	39,0
SMPC12R02W	12	R 1/4"	19	10	21,9	33,7	19	6	6	24,6
SMPC12R03W		R 3/8"	19	11	21,9	30,7	19	8	8	21,9
SMPC12R04W		R 1/2"	19	14	21,9	30,2	19	8	8	30,2

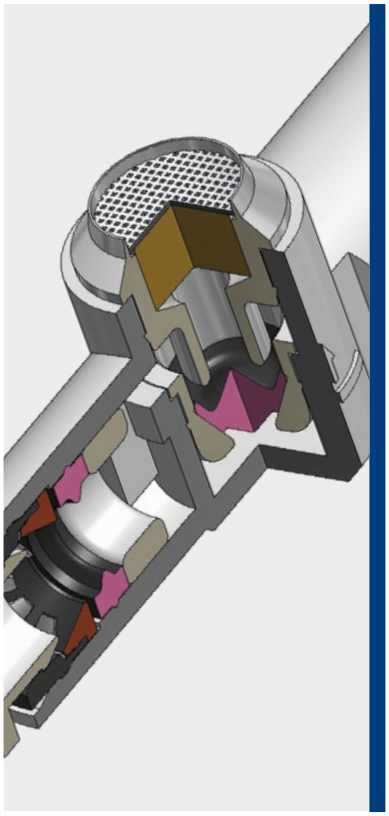
SMPL-R

Swivel male elbow BSPT & metric thread, PA66 and stainless steel AISI 303 thread





CODE	ØD	T	ØP	A	B	L1	L2	CH	DN	g
SMPL04M5W	4	M5x0,8p	9,3	4	13	16,2	15,5	9	2,2	3,3
SMPL04R01W		R 1/8"	9,3	7	13	18,7	15,5	10	3,5	6,3
SMPL06M5W	6	M5x0,8p	11,5	4	15	17,5	17,3	9	2,2	3,8
SMPL06R01W		R 1/8"	11,5	7	15	20,0	17,3	10	3,5	6,8
SMPL06R02W		R 1/4"	11,5	10	15	23,0	17,3	14	3,5	12,2
SMPL06R03W		R 3/8"	11,5	10	15	23,0	17,3	17	3,5	18,5
SMPL08R01W	8	R 1/8"	13,6	7	16,9	21,8	21,2	10	4	6,1
SMPL08R02W		R 1/4"	13,6	10	16,9	24,8	21,2	14	4	12,2
SMPL08R03W		R 3/8"	13,6	10	16,9	24,8	21,2	17	4	18,7
SMPL08R04W		R 1/2"	13,6	13	16,9	27,8	21,2	21	4	32,7
SMPL10R02W	10	R 1/4"	16,4	10	18,9	26,8	24,7	15	9	13,4
SMPL10R03W		R 3/8"	16,4	10	18,9	26,8	24,7	17	9	18,7
SMPL10R04W		R 1/2"	16,4	13	18,9	29,8	24,7	21	9	31,4
SMPL12R02W	12	R 1/4"	19,5	10	21,4	28,5	28,3	15	9,8	15,5
SMPL12R03W		R 3/8"	19,5	10	21,4	28,5	28,3	17	9,8	20,8
SMPL12R04W		R 1/2"	19,5	13	21,4	31,5	28,3	21	9,8	33,5



-5°C ÷ 60°C

Working pressure:
10 Bar

Min. working pressure:
1 Bar

Pressure peaks do not exceed the max working pressure

Compressed air

Polyamide PA, polyurethane PU, polyethylene PE

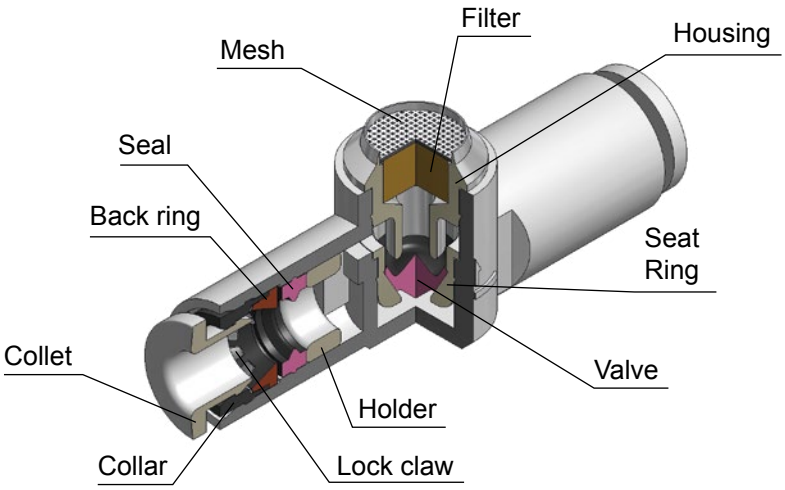
Body: PA66
Mesh: Stainless steel AISI 301
Back ring: PA66
Seal: NBR
Lock claw: Stainless steel AISI 301
Collar: PA66
Seat ring: Brass
Holder: POM
Collet: PA66
Filter: PE
Housing: Ottone
Valve: NBR

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



PLUS - MEVU

Silenced exhaust to the atmosphere through the incorporated silencer.

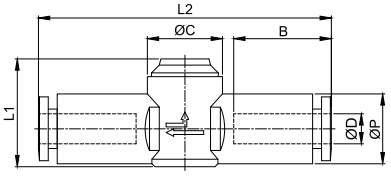
Easy assembly thanks to push-in fittings incorporated.

Suitable for multiple applications thanks to light weight and compact size.

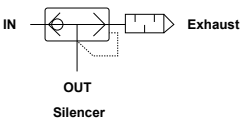
MEVU

Quick exhaust valve with silencer





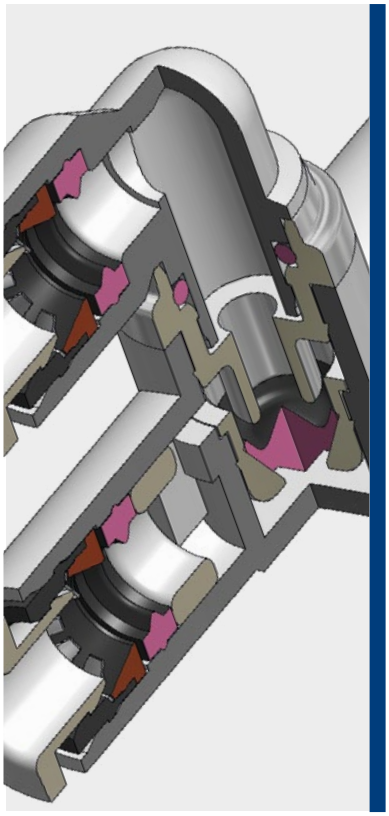
CODE	ØD	ØP	ØC	B	L1	L2	g
MEVU04W	4	9,3	10	13,0	14,4	39,0	4,5
MEVU06W	6	11,5	10	14,5	15,9	41,7	5,5



Section in mm²

CODE	Ø TUBE (mm)	IN - OUT	OUT - EXHAUST
MEVU04W	4	1,7	2,5
MEVU06W	6	2,4	2,7

drawings and technical data are not binding & can be changed without notice



-5°C ÷ 60°C

Working pressure:
10 Bar

Min. working pressure:
1 Bar

Pressure peaks do not exceed the max working pressure

Compressed air

Polyamide PA, polyurethane PU, polyethylene PE

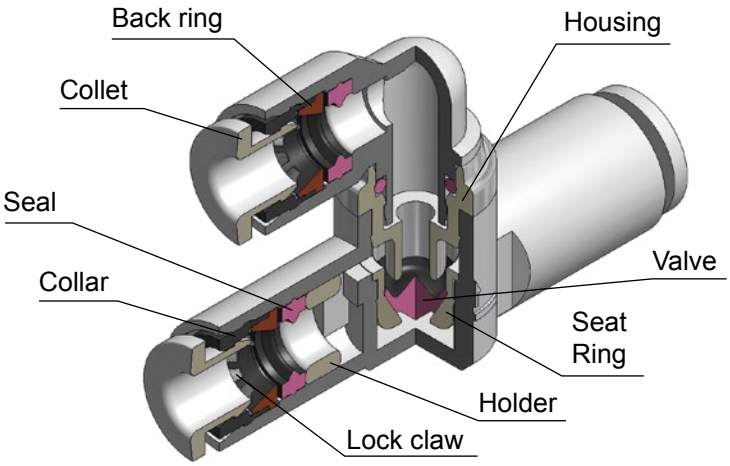
Body: PA66
Back ring: PA66
Seal: NBR
Lock claw: Stainless steel AISI 301
Collar: PA66
Seat ring: Brass
Holder: POM
Collet: PA66
Housing: Brass
Valve: NBR

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



PLUS - MEVS

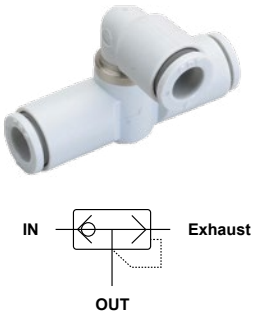
Connection exhaust to be conveyed.

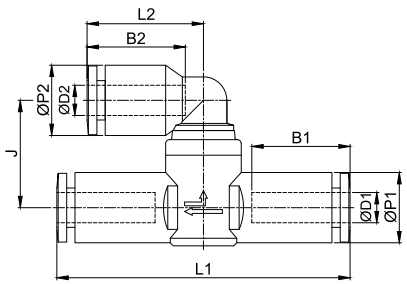
Easy assembly thanks to push-in fittings incorporated.

Suitable for multiple applications thanks to the light weight and compact size.

MEVS

Quick exhaust valve with push-in fittings



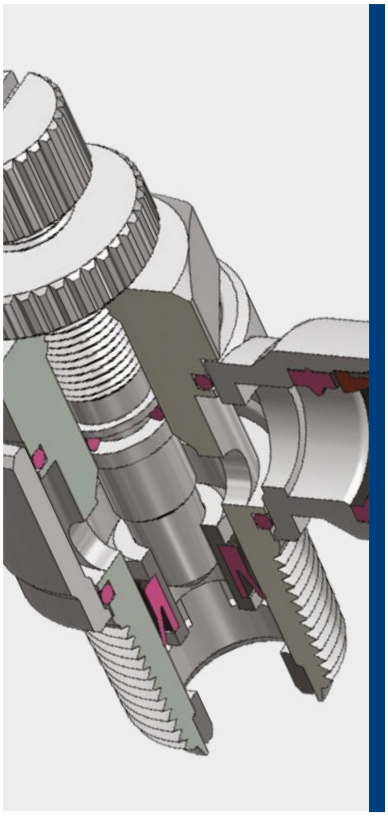


CODE	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	J	g
MEVS04W	4	4	13,0	13,0	9,3	9,3	39,0	15,4	14,2	5,9
MEVS06W	6	6	14,5	14,5	11,5	11,5	41,7	17,3	15,6	7,5

Section in mm²

CODE	Ø TUBE (mm)	IN - OUT	OUT - EXHAUST
MEVS04W	4	1,7	2,5
MEVS06W	6	2,4	2,7

drawings and technical data are not binding & can be changed without notice



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Pressure peaks do not exceed the max working pressure

Compressed air & vacuum (do not use with water)

- Taper gas BSPT ISO 7 from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228 with OR from G1/8" to G1/2"
- Metric ISO 262 M5

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow adjustment and screwdriver

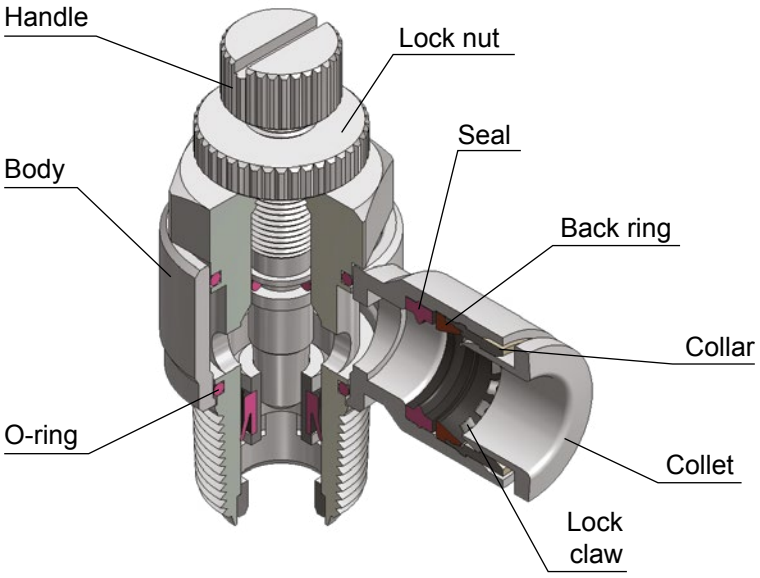
Body: Nickel-plated brass and PA66
Collet: PA66
Collar: PA66
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

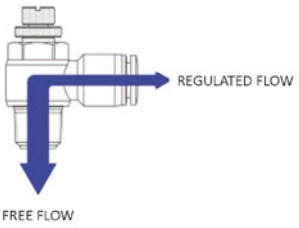
REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EXHAUST (FOR CYLINDERS)



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

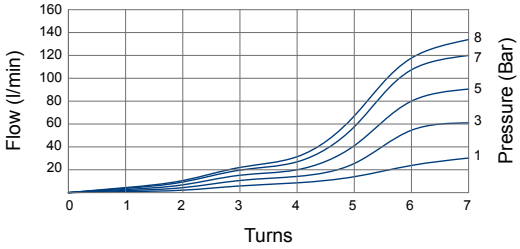
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"
Nm	1,5	10	15	25	40

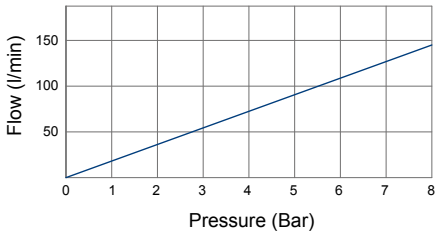
drawings and technical data are not binding & can be changed without notice

MSC04M5
MSC06M5

Flow Control

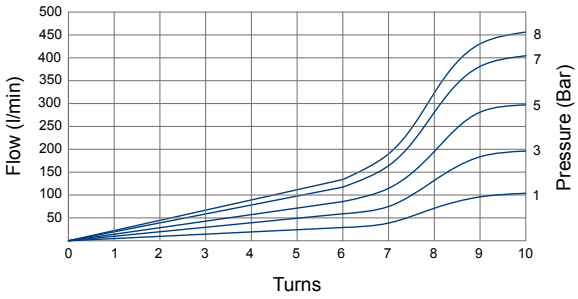


Free Flow

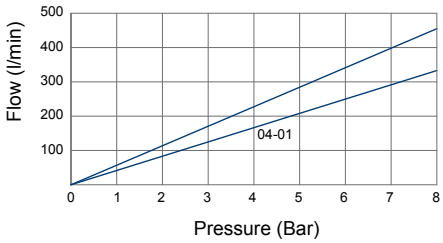


MSC0401
MSC0601
MSC0801
MSC1001

Flow Control

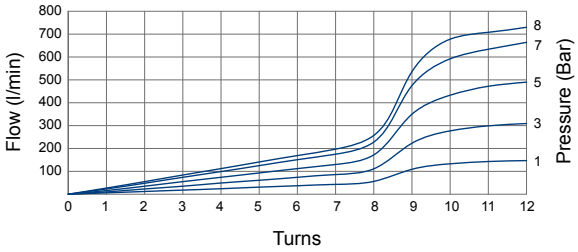


Free Flow

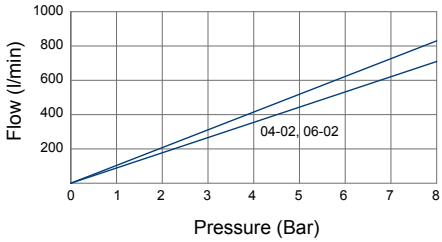


MSC0402
MSC0602
MSC0802
MSC1002
MSC1202

Flow Control

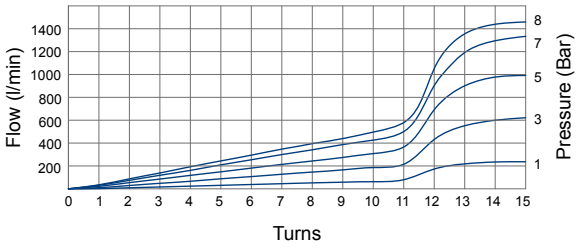


Free Flow

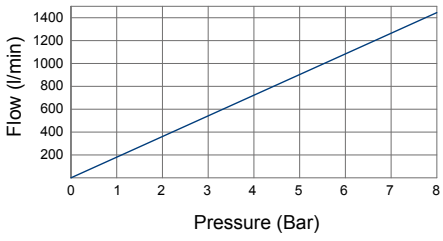


MSC0603
MSC0803
MSC1003
MSC1203

Flow Control

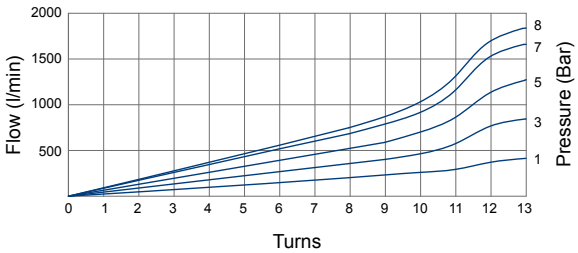


Free Flow

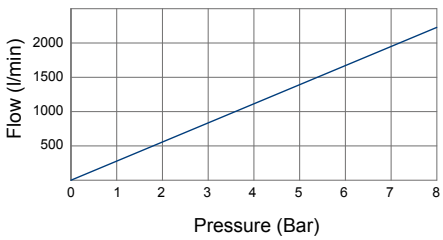


MSC0604
MSC0804
MSC1004
MSC1204

Flow Control



Free Flow

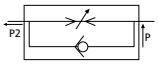


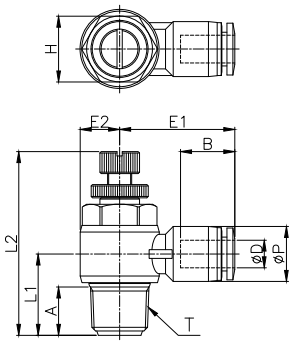
drawings and technical data are not binding & can be changed without notice

MSC-R

Banjo male elbow flow regulator unidirectional, for cylinders, adjustable BSPT thread with handle regulation







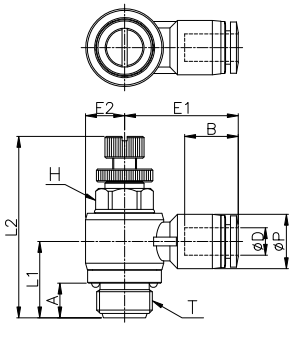
CODE	ØD	T	ØP	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
MSC04R01	4	R 1/8"	9,3	15,0	35,5	40.7	20,0	7.0	8.2	13,0	11
MSC04R02		R 1/4"	9,3	18,5	40,3	46.6	22,0	9.0	11.0	13,0	15
MSC06R01	6	R 1/8"	11,5	15,1	35,5	40,7	22,1	7,0	8,2	15,0	11
MSC06R02		R 1/4"	11,5	18,3	40,3	46,5	24,0	9,0	11,0	15,0	15
MSC06R03		R 3/8"	11,5	21,7	46,9	55,0	26,1	11,0	12,2	15,0	19
MSC06R04		R 1/2"	11,5	26,4	54,0	60,1	28,8	13,8	16,5	15,0	24
MSC08R01	8	R 1/8"	13,6	16,2	35,5	40,7	24,2	7,1	8,2	17,1	11
MSC08R02		R 1/4"	13,6	19,2	40,3	46,6	26,1	9,0	11,0	17,1	15
MSC08R03		R 3/8"	13,6	21,7	46,9	54,9	28,2	11,1	12,2	17,1	19
MSC08R04		R 1/2"	13,6	26,4	54,0	60,1	30,9	13,8	16,5	17,1	24
MSC10R01	10	R 1/8"	16,4	17,6	35,5	40,7	26,8	7,1	8,2	18,4	11
MSC10R02		R 1/4"	16,4	20,6	40,3	46,6	28,6	9,0	11,0	18,4	15
MSC10R03		R 3/8"	16,4	23,0	46,9	54,9	29,5	11,1	12,2	18,4	19
MSC10R04		R 1/2"	16,4	26,4	54,0	60,1	32,2	13,8	16,5	18,4	24
MSC12R02	12	R 1/4"	19,5	22,1	40,3	46,6	30,9	9,0	11,0	20,4	15
MSC12R03		R 3/8"	19,5	23,8	46,9	54,9	32,7	11,1	12,2	20,4	19
MSC12R04		R 1/2"	19,5	27,9	54,0	60,1	35,2	13,8	16,5	21,4	24

MSC-G

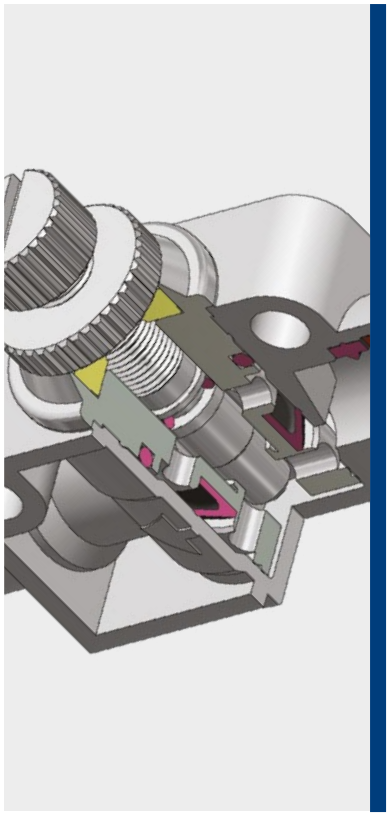
Banjo male swivel elbow flow regulator unidirectional, for cylinders, BSPP & metric thread with handle regulation







CODE	ØD	T	ØP	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
MSC04M5	4	M5x0.8P	9,3	10,2	27,1	29,1	17,8	4,9	3,6	12,9	8
MSC04G01		G 1/8"	9,3	15,2	34,6	39,8	20,0	7,1	6,0	12,9	8
MSC04G02		G 1/4"	9,3	18,2	39,8	46,1	21,9	9,0	8,0	12,9	12
MSC06M5	6	M5x0.8P	11,5	11,3	27,1	29,1	20,9	4,9	3,6	15,0	8
MSC06G01		G 1/8"	11,5	15,2	34,6	39,8	22,1	7,1	6,0	15,0	8
MSC06G02		G 1/4"	11,5	18,3	39,8	46,1	24,0	9,0	8,0	15,0	12
MSC06G03		G 3/8"	11,5	21,2	47,7	54,9	26,1	11,1	8,0	15,0	14
MSC06G04		G 1/2"	11,5	23,0	54,5	61,7	28,8	13,8	9,0	15,0	17
MSC08G01	8	G 1/8"	13,6	13,9	34,6	39,8	24,2	7,1	6,0	17,1	8
MSC08G02		G 1/4"	13,6	17,4	39,8	46,1	26,1	9,0	8,0	17,1	12
MSC08G03		G 3/8"	13,6	21,2	47,7	54,9	28,2	11,1	8,0	17,1	14
MSC08G04		G 1/2"	13,6	23,0	54,5	61,7	30,9	13,8	9,0	17,1	17
MSC10G01	10	G 1/8"	16,4	17,8	34,6	39,8	25,5	7,1	6,0	18,4	8
MSC10G02		G 1/4"	16,4	19,8	39,8	46,1	27,4	9,0	8,0	18,4	12
MSC10G03		G 3/8"	16,4	19,9	47,7	54,9	29,5	11,1	8,0	18,4	14
MSC10G04		G 1/2"	16,4	23,0	54,5	61,7	32,2	13,8	9,0	18,4	17
MSC12G02	12	G 1/4"	29,5	21,3	34,6	39,8	29,4	9,0	8,0	20,4	12
MSC12G03		G 3/8"	29,5	19,1	47,7	54,9	32,7	11,1	8,0	20,4	14
MSC12G04		G 1/2"	29,5	21,4	54,5	61,7	35,2	13,8	9,0	21,4	17



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Pressure peaks do not exceed the max working pressure

Compressed air & vacuum (do not use with water)

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow adjustment and screwdriver

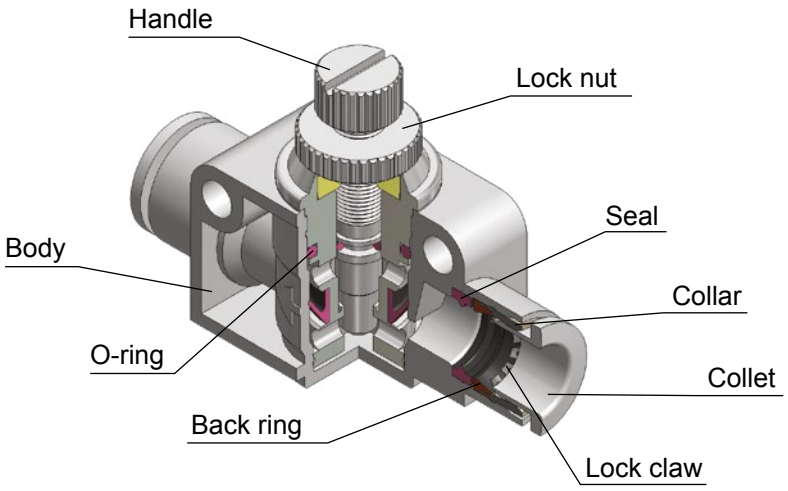
Body: PA66 & Nickel-plated brass
Collet: PA66
Collar: PA66
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

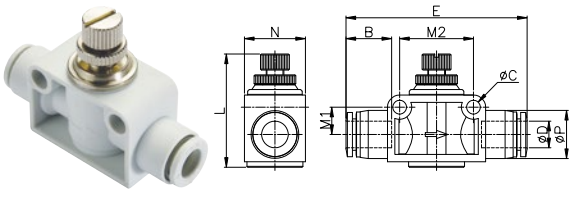
Products in compliance with the directive EU 2015/863

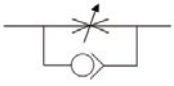
CONSTRUCTION DETAILS



MSF

Unidirectional flat flow regulator, in technopolymer, with handle regulation





CODE	ØD	ØP	L MIN	L MAX	E	N	ØC	B	M1	M2
MSF04	4	9,5	26,4	28,9	38,8	11,0	3,2	13,4	5,4	15,4
MSF06	6	11,5	33,5	37,9	46,5	15,0	4,3	15,0	7,8	20,4
MSF08	8	13,6	35,5	41,5	53,1	18,0	4,3	17,1	8,5	23,0
MSF10	10	16,4	40,7	48,7	60,4	22,5	4,3	18,9	10,6	27,6
MSF12	12	19,5	45,0	53,5	70,8	26,5	4,3	21,4	11,9	32,4

drawings and technical data are not binding & can be changed without notice

PUSH-IN FITTINGS
OTR SERIES

PLUS

HIGH PERFORMANCE FITTINGS, easy to use

STRONG but **COMPACT** in order to ensure the maximum assembling flexibility

COMPLETE RANGE suitable to be used with different kinds of tubing

ELECTROLYTIC NICKEL PLATING to ensure the maximum duration over time

STATIC GRIPPING SYSTEM in order to stop all movement of the tube when inserted, granting a **A LEAK-PROOF CONNECTION**

Every fitting is **DESIGNED TO GUARANTEE THE MAXIMUM POSSIBLE FLOW RATE** according to the diameter of the tube and of the thread

PRODUCTS CAN BE TAILOR-MADE TO SPECIFIC CUSTOMER NEEDS

M A D E I N I T A L Y



p. 63 / **OTRC-R**



p. 63 / **OTRC-G**



p. 64 / **OTRC-N**



p. 64 / **OTROC-G**



p. 64 / **OTROC-N**



p. 65 / **OTRCF-G**



p. 65 / **OTRMM**



p. 65 / **OTRME**



p. 66 / **OTRL-R**



p. 66 / **OTRL-G**



p. 67 / **OTRL-N**



p. 67 / **OTRLF-G**



p. 67 / **OTRT-R**



p. 68 / **OTRT-G**



p. 68 / **OTRT-N**



p. 69 / **OTRST-R**



p. 69 / **OTRST-G**



p. 70 / **OTRA-G**



p. 70 / **OTRUC**



p. 71 / **OTRUL**



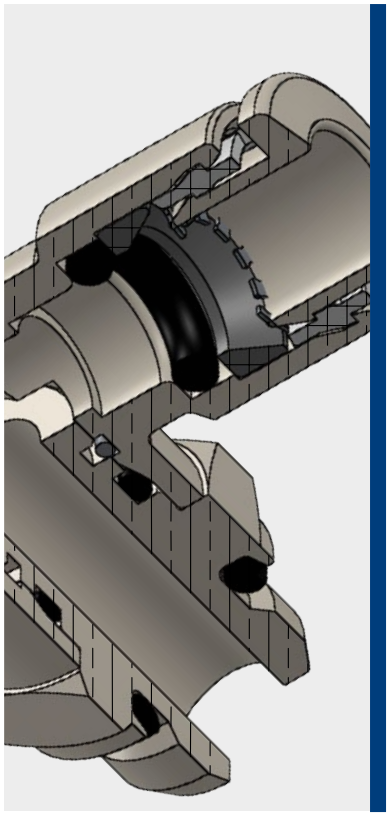
p. 71 / **OTRUT**



p. 72 / **OTRY**



p. 72 / **OTRGJ**



-20°C ÷ 80°C

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air & Vacuum

- Taper gas BSPT ISO 7
  from R1/8" to R1/2"
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5 and M7
- NPT ANSI B 1.20.1
  from N1/8" to N1/2"
- UNF ANSI B 1.1
  10-32 UF

Polyamide PA,
Polyurethane PU,
Polyethylene PE

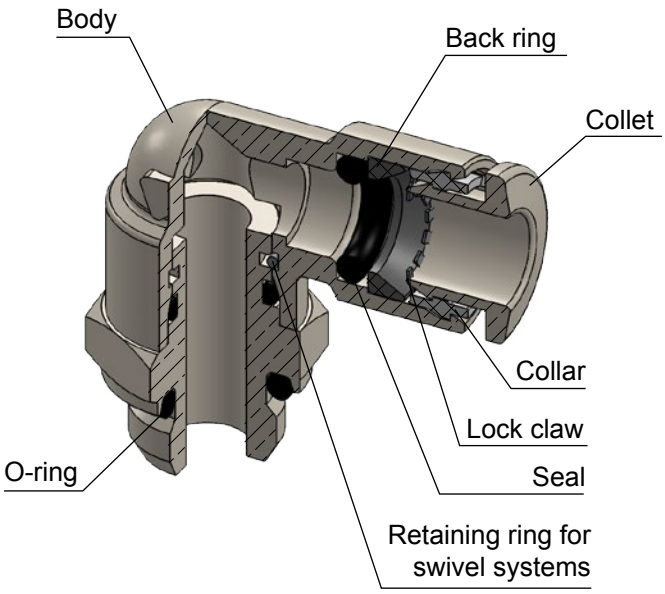
Body: Nickel-plated brass
Turning: UNI EN 12164 CW614N
Hot forging & machining:
UNI EN 12164 CW617N
Collar: POM
Collet: Nickel-plated brass
UNI EN 12164 CW614N
Lock claw: Stainless steel AISI 301
Back ring: PBT
O-ring: NBR silicone free
Seal: NBR silicone free
Retaining ring for swivel systems:
Stainless steel AISI 302

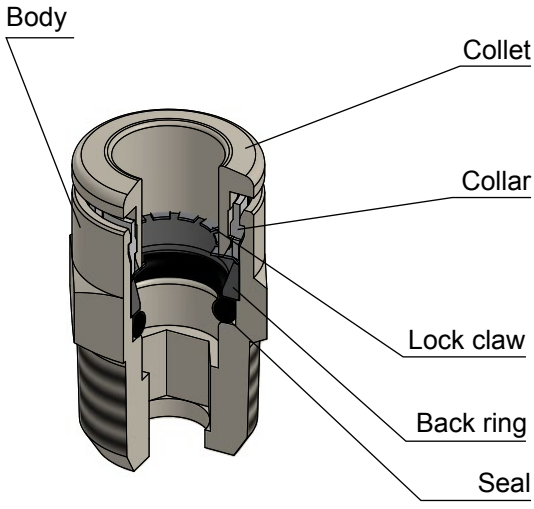
SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





TIGHTENING TORQUE
TAPER GAS BSPT ISO 7 & NPT ANSI B 1.20.1

THREAD	1/8"	1/4"	3/8"	1/2"	1/8" NPT	1/4" NPT	3/8" NPT	1/2" NPT
Nm	10-12	14-16	16-18	18-20	3,5	4,5	7	12

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	M7x1,0	1/8"	1/4"	3/8"	1/2"
Nm	1 ± 20%	3 ± 20%	6 ± 20%	7,5 ± 20%	9 ± 20%	9 ± 20%

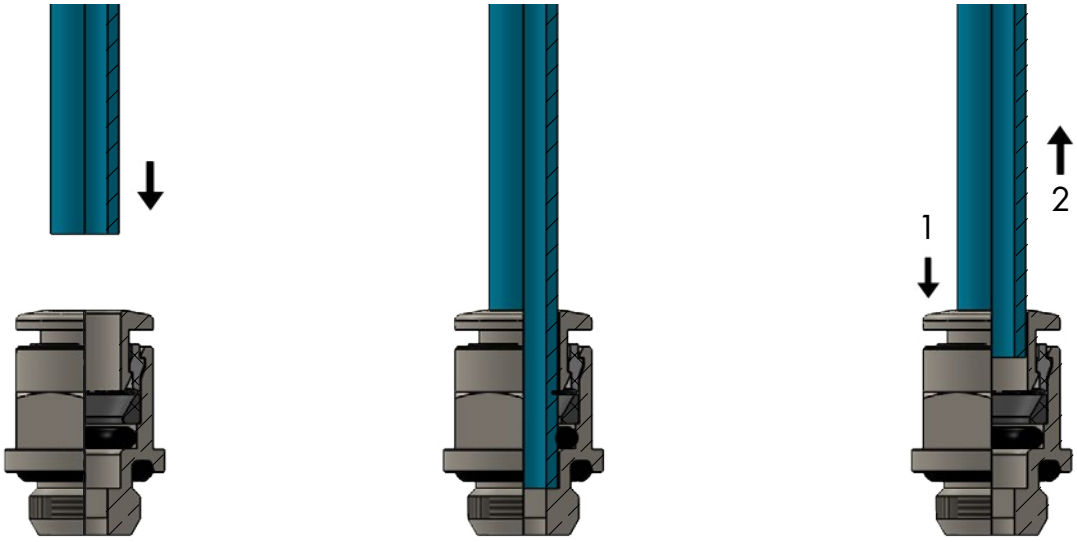
drawings and technical data are not binding & can be changed without notice

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15

INSERTION DEPTH - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TUBE INSERTION LENGHT (mm)	14	15,5	17,5	19	21

TOLERANCES - INCH TUBE

Ø TUBE (inch)	5/32"	1/4"	5/16"	3/8"	1/2"
TOLERANCE (mm)	±0,1	±0,1	±0,1	± 0,15	± 0,15

INSERTION DEPTH - INCH TUBE

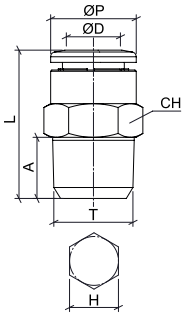
Ø TUBE (inch)	5/32"	1/4"	5/16"	3/8"	1/2"
TUBE INSERTION LENGHT (mm)	14	16	17,5	18,5	21,5

drawings and technical data are not binding & can be changed without notice

OTRC-R

Male connector BSPT thread nickel-plated - metric tube



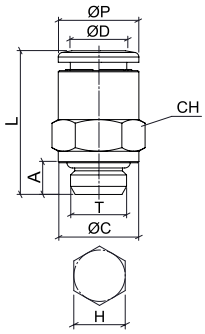


CODE	ØD	T	ØP	A	L	CH	H	g
OTRC04R01	4	R 1/8"	10	8	18,5	10	3	7,0
OTRC04R02		R 1/4"	10	10	20,0	14	3	15,4
OTRC06R01	6	R 1/8"	12	8	21,0	12	4	9,0
OTRC06R02		R 1/4"	12	10	20,5	14	4	14,0
OTRC08R01	8	R 1/8"	14	8	26,0	14	5	15,0
OTRC08R02		R 1/4"	14	10	24,0	14	6	15,0
OTRC08R03		R 3/8"	14	11	22,0	17	6	24,0
OTRC10R02	10	R 1/4"	16	10,5	30,0	16	7	22,0
OTRC10R03		R 3/8"	16	11	25,0	17	8	23,0
OTRC10R04		R 1/2"	16	14	25,5	22	8	45,0
OTRC12R02	12	R 1/4"	19	10	33,0	19	6	21,0
OTRC12R03		R 3/8"	19	11	29,5	19	10	27,0
OTRC12R04		R 1/2"	19	14	27,0	22	10	44,5

OTRC-G

Male connector BSPP & metric thread nickel-plated - metric tube





CODE	ØD	T	ØP	ØC	A	L	CH	H	g
OTRC04M5	4	M5x0,8	10	7	4	19,0	9	2,5	5,0
OTRC04G01		G 1/8"	10	14	5,5	18,0	10	3	8,0
OTRC04G02		G 1/4"	10	16	6,5	18,0	10	3	11,0
OTRC06M5	6	M5x0,8	12	7	4	21,0	11	2,5	8,0
OTRC06G01		G 1/8"	12	14	5,5	19,5	12	4	9,0
OTRC06G02		G 1/4"	12	16	6,5	19,5	12	4	12,0
OTRC08G01	8	G 1/8"	14	14	5,5	24,5	14	5	14,0
OTRC08G02		G 1/4"	14	16	6,5	21,5	14	6	13,5
OTRC08G03		G 3/8"	14	20	7,5	21,5	14	6	20,0
OTRC10G02	10	G 1/4"	16	16	6,5	27,5	16	7	19,0
OTRC10G03		G 3/8"	16	20	7,5	25,0	16	8	22,0
OTRC10G04		G 1/2"	16	25	9	25,0	16	8	33,0
OTRC12G02	12	G 1/4"	19	16	6,5	30,0	19	6	28,0
OTRC12G03		G 3/8"	19	22	7,5	29,5	19	10	30,0
OTRC12G04		G 1/2"	19	25	9	28,0	19	10	37,0

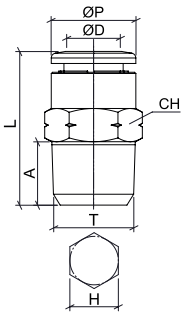
Male connector BSPP & metric thread nickel-plated - inch tube

CODE	ØD	T	ØP	ØC	A	L	CH	H	g
OTRC1-4M5	1/4"	M5x0,8	13	7	4	22,0	13	2,5	8,0
OTRC1-4G01		G 1/8"	13	13	5,5	20,0	13	4	9,0
OTRC38G03	3/8"	G 3/8"	16	20	7,5	25,0	16	8	22,0

OTRC-N

Male connector NPT thread nickel-plated - inch tube



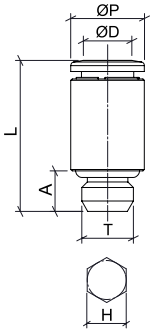


CODE	ØD	T	ØP	A	L	CH	H	g
OTRC532N01	5/32"	N 1/8"	10	8,5	19,0	7/16"	1/8"	9,0
OTRC532N02		N 1/4"	10	10,5	20,5	9/16"	1/8"	16,0
OTRC1-4N01	1/4"	N 1/8"	13	8,5	22,5	1/2"	3/16"	11,0
OTRC1-4N02		N 1/4"	13	10,5	22,5	9/16"	3/16"	15,0
OTRC516N01	5/16"	N 1/8"	14	8,5	27,0	9/16"	3/16"	15,5
OTRC516N02		N 1/4"	14	10,5	25,5	9/16"	1/4"	16,0
OTRC516N03		N 3/8"	14	11,5	23,5	11/16"	1/4"	25,0
OTRC38N01	3/8"	N 1/8"	16	8,5	29,0	11/16"	3/16"	21,5
OTRC38N02		N 1/4"	16	10,5	30,0	11/16"	1/4"	25,0
OTRC38N03		N 3/8"	16	11,5	26,0	11/16"	5/16"	24,0
OTRC38N04		N 1/2"	16	14,5	27,0	7/8"	5/16"	46,0
OTRC1-2N02	1/2"	N 1/4"	19	10,5	34,0	7/8"	1/4"	37,0
OTRC1-2N03		N 3/8"	19	11,5	34,5	7/8"	3/8"	39,0
OTRC1-2N04		N 1/2"	19	14,5	30,5	7/8"	3/8"	43,0

OTROC-G

Male connector round body metric thread nickel-plated - metric tube





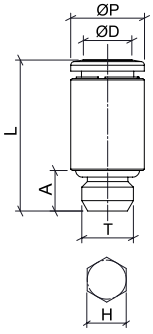
CODE	ØD	T	ØP	A	L	H	g
OTROC04M5	4	M5x0,8	10	4	19,0	2,5	-
OTROC04M6	4	M6x1	10	4,5	20,0	2,5	-
OTROC04M7	4	M7x1	10	5,5	20,5	2,5	-
OTROC06M5	6	M5x0,8	12	4	21,1	2,5	-
* OTROC06M7C	6	M7x1	10	5,5	20,5	4	-

* compact version

OTROC-N

Male connector round body UNF thread nickel-plated - inch tube





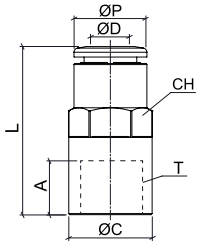
CODE	ØD	T	ØP	A	L	H	g
OTROC532UF1032	5/32"	UNF 10-32	0,393	0,157	0,748	3/32"	12,0
OTROC1-4UF1032	1/4"	UNF 10-32	0,511	0,157	0,846	3/32"	16,0

drawings and technical data are not binding & can be changed without notice

OTRCF-G

Female connector BSPP thread nickel-plated - metric tube



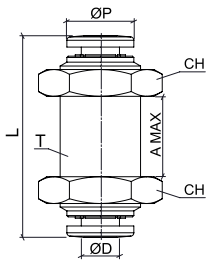


CODE	ØD	T	ØP	ØC	A	L	CH	g
OTRCF04G01	4	G 1/8"	10	13	7,5	24,5	10	-
OTRCF04G02		G 1/4"	10	16	11	28,5	10	-
OTRCF06G01	6	G 1/8"	12	13	7,5	26,1	12	-
OTRCF06G02		G 1/4"	12	16	11	29,6	12	-
OTRCF08G01	8	G 1/8"	14	13	7,5	27,2	14	-
OTRCF08G02		G 1/4"	14	16	11	32,2	14	-

OTRMM

Bulkhead connector nickel-plated - metric tube





CODE	ØD	T	ØP	L	A MAX	CH	g
OTRMM04-532	4	M12x1	10	30,0	12	16	23,0
OTRMM0600	6	M14x1	12	35,5	15	17	31,0
OTRMM08-516	8	M16x1	14	36,5	16	19	36,0
OTRMM1000	10	M20x1	16	43,0	19	24	70,0
OTRMM1200	12	M22x1,5	19	44,0	20	25	76,0

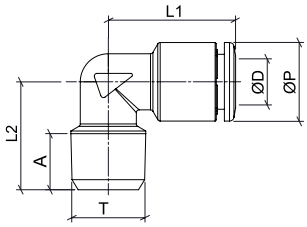
Bulkhead connector nickel-plated - inch tube

CODE	ØD	T	ØP	L	A MAX	CH	g
OTRMM1-4	1/4"	M14x1	13	35,6	13	17	31,0
OTRMM38	3/8"	M20x1	16	42,5	17	24	70,0

OTRME

Male elbow BSPT thread nickel-plated - metric tube



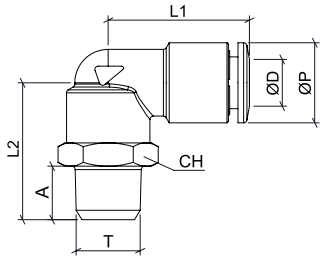


CODE	ØD	T	ØP	A	L1	L2	g
OTRME04R01	4	R 1/8"	10	8	18,0	15,5	11,0
OTRME06R01	6	R 1/8"	12	8	19,5	15,5	15,0
OTRME06R02		R 1/4"	12	10	20,5	19,0	20,0
OTRME08R01	8	R 1/8"	14	8	22,5	16,5	20,0
OTRME08R02		R 1/4"	14	10	22,5	19,0	24,0

OTRL-R

Swivel male elbow BSPT thread nickel-plated - metric tube



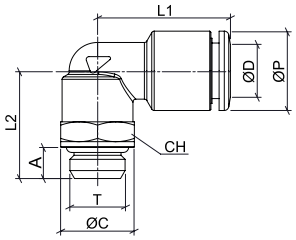


CODE	ØD	T	ØP	A	L1	L2	CH	g
OTRL04R01	4	R 1/8"	10	8	19,5	20,5	13	20,0
OTRL04R02		R 1/4"	10	10	19,5	23,0	14	23,0
OTRL06R01	6	R 1/8"	12	8	21,0	20,5	13	20,0
OTRL06R02		R 1/4"	12	10	21,0	23,0	14	24,0
OTRL08R01	8	R 1/8"	14	8	23,0	20,5	13	22,0
OTRL08R02		R 1/4"	14	10	23,0	23,0	14	26,0
OTRL08R03		R 3/8"	14	11	23,0	24,5	17	32,0
OTRL10R02	10	R 1/4"	16	10	26,0	25,5	16	41,0
OTRL10R03		R 3/8"	16	11	26,0	27,0	17	45,0
OTRL10R04		R 1/2"	16	14	26,0	30,0	22	59,0
OTRL12R02	12	R 1/4"	19	10	31,0	28,0	20	56,0
OTRL12R03		R 3/8"	19	11	31,0	28,5	20	59,0
OTRL12R04		R 1/2"	19	14	31,0	31,5	22	70,0

OTRL-G

Swivel male elbow BSPP & metric thread nickel-plated - metric tube





CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
OTRL04M5	4	M5x0,8	10	7	4	18,0	15,0	8	5,0
OTRL04G01		G 1/8"	10	13	5,5	19,5	19,0	13	19,0
OTRL04G02		G 1/4"	10	16	6,5	19,5	21,5	13	22,0
OTRL06M5	6	M5x0,8	12	7	4	19,5	16,0	8	11,0
OTRL06G01		G 1/8"	12	13	5,5	21,0	19,0	13	20,0
OTRL06G02		G 1/4"	12	16	6,5	21,0	21,5	13	24,0
OTRL08G01	8	G 1/8"	14	13	5,5	23,0	19,0	13	22,0
OTRL08G02		G 1/4"	14	16	6,5	23,0	21,5	13	24,0
OTRL08G03		G 3/8"	14	20	7,5	23,0	23,0	13	28,0
OTRL10G02	10	G 1/4"	16	16	6,5	26,0	23,0	16	35,0
OTRL10G03		G 3/8"	16	20	7,5	26,0	26,0	16	43,5
OTRL10G04		G 1/2"	16	25	9	26,0	27,5	16	52,0
OTRL12G02	12	G 1/4"	19	16	6,5	31,0	25,5	20	55,0
OTRL12G03		G 3/8"	19	20	7,5	31,0	26,5	20	55,0
OTRL12G04		G 1/2"	19	25	9	31,0	29,0	20	63,0

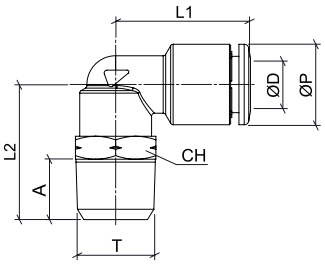
Swivel male elbow BSPP thread nickel-plated - inch tube

CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
OTRL1-4G01	1/4"	G 1/8"	13	13	5,5	22,0	19,0	13	20,0
OTRL1-4G02		G 1/4"	13	16	6,5	22,0	21,5	13	24,0
OTRL38G02	3/8"	G 1/4"	16	16	6,5	26,0	23,0	16	35,0
OTRL38G03		G 3/8"	16	20	7,5	26,0	26,0	16	43,5

OTRL-N

Swivel male elbow NPT & UNF thread nickel-plated - inch tube



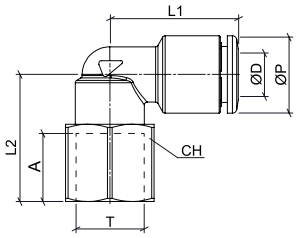


CODE	ØD	T	ØP	A	L1	L2	CH	g
OTRL532UF1032	5/32"	UNF 10/32"	10	4	18,0	15,0	3/8"	11,0
OTRL532N01		N 1/8"	10	8,5	19,5	21,0	9/16"	20,5
OTRL532N02		N 1/4"	10	10,5	19,5	23,5	9/16"	24,0
OTRL1-4N01	1/4"	N 1/8"	13	8,5	21,5	21,0	9/16"	23,0
OTRL1-4N02		N 1/4"	13	10,5	21,5	23,5	9/16"	26,0
OTRL516N01	5/16"	N 1/8"	14	8,5	23,5	21,0	9/16"	23,0
OTRL516N02		N 1/4"	14	10,5	23,5	23,5	9/16"	24,0
OTRL516N03		N 3/8"	14	11,5	23,5	25,0	11/16"	34,0
OTRL38N01	3/8"	N 1/8"	16	8,5	26,0	24,0	11/16"	40,0
OTRL38N02		N 1/4"	16	10,5	26,0	26,0	11/16"	43,0
OTRL38N03		N 3/8"	16	11,5	26,0	27,5	11/16"	47,0
OTRL38N04		N 1/2"	16	14,5	26,0	30,5	7/8"	60,0
OTRL1-2N02	1/2"	N 1/4"	19	10,5	31,0	28,5	7/8"	58,0
OTRL1-2N03		N 3/8"	19	11,5	31,0	29,5	7/8"	61,0
OTRL1-2N04		N 1/2"	19	14,5	31,0	32,5	7/8"	67,0

OTRLF-G

Swivel female elbow BSPP thread nickel-plated - metric tube



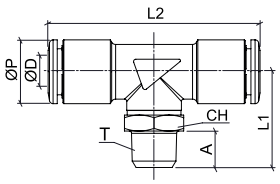


CODE	ØD	T	ØP	A	L1	L2	CH	g
OTRLF04G01	4	G 1/8"	10	7,5	19,5	19,2	13	-
OTRLF06G01	6	G 1/8"	12	7,5	21,1	19,0	13	-
OTRLF06G02		G 1/4"	12	11	21,1	23,0	16	-
OTRLF08G01	8	G 1/8"	14	7,5	23,2	19,0	13	-
OTRLF08G02		G 1/4"	14	11	23,2	23,0	16	-

OTRT-R

Swivel male tee BSPT thread nickel-plated - metric tube



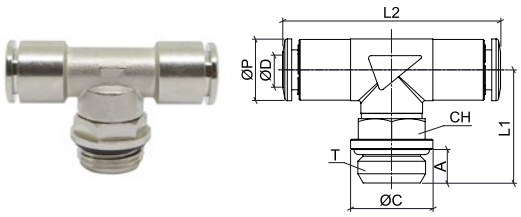


CODE	ØD	T	ØP	A	L1	L2	CH	g
OTRT04R01	4	R 1/8"	10	8	21,0	39,0	13	27,0
OTRT04R02		R 1/4"	10	10	23,5	39,0	14	31,0
OTRT06R01	6	R 1/8"	12	8	21,0	42,0	13	30,0
OTRT06R02		R 1/4"	12	10	23,5	42,0	14	34,0
OTRT08R01	8	R 1/8"	14	8	21,0	46,5	13	34,0
OTRT08R02		R 1/4"	14	10	23,5	46,5	14	37,0
OTRT08R03		R 3/8"	14	11	24,0	46,5	17	44,0
OTRT10R02	10	R 1/4"	16	10	25,5	52,0	16	55,0
OTRT10R03		R 3/8"	16	11	27,0	52,0	17	58,5
OTRT10R04		R 1/2"	16	14	30,0	52,0	22	73,0
OTRT12R02	12	R 1/4"	19	10	28,0	62,0	20	77,0
OTRT12R03		R 3/8"	19	11	28,5	62,0	20	80,0
OTRT12R04		R 1/2"	19	14	31,5	62,0	22	81,0

drawings and technical data are not binding & can be changed without notice

OTRT-G

Swivel male tee BSPP & metric thread nickel-plated - metric tube



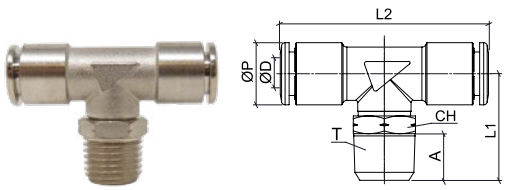
CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
OTRT04M5	4	M5x0,8	10	7	4	17,0	32,0	8	17,0
OTRT04G01		G 1/8"	10	13	5,5	19,5	39,0	13	29,0
OTRT04G02		G 1/4"	10	16	6,5	22,0	39,0	13	29,0
OTRT06M5	6	M5x0,8	12	7	4	17,0	40,0	8	21,0
OTRT06G01		G 1/8"	12	13	5,5	19,5	42,0	13	29,0
OTRT06G02		G 1/4"	12	16	6,5	22,0	42,0	13	32,0
OTRT08G01	8	G 1/8"	14	13	5,5	19,5	46,5	13	33,0
OTRT08G02		G 1/4"	14	16	6,5	22,0	46,5	13	35,5
OTRT08G03		G 3/8"	14	20	7,5	23,5	46,5	13	39,0
OTRT10G02	10	G 1/4"	16	16	6,5	23,0	52,0	16	52,0
OTRT10G03		G 3/8"	16	20	7,5	26,0	52,0	16	56,0
OTRT10G04		G 1/2"	16	25	9	27,5	52,0	16	64,5
OTRT12G02	12	G 1/4"	19	16	6,5	25,5	62,0	20	75,0
OTRT12G03		G 3/8"	19	20	7,5	26,5	62,0	20	77,0
OTRT12G04		G 1/2"	19	25	9	29,0	62,0	20	82,0

Swivel male tee BSPP thread nickel-plated - inch tube

CODE	ØD	T	ØP	ØC	A	L1	L2	CH	g
OTRT1-4G01	1/4"	G 1/8"	13	13	5,5	19,5	42,5	13	29,0
OTRT1-4G02		G 1/4"	13	16	6,5	22,0	42,5	13	32,0
OTRT38G02	3/8"	G 1/4"	16	16	6,5	23,0	51,5	16	52,0
OTRT38G03		G 3/8"	16	20	7,5	26,0	51,5	16	56,0

OTRT-N

Swivel male tee NPT & UNF thread nickel-plated - inch tube



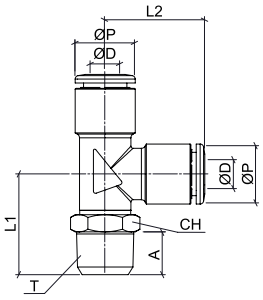
CODE	ØD	T	ØP	A	L1	L2	CH	g
OTRT532UF1032	5/32"	UNF 10-32"	10	4	17,0	32,0	3/8"	17,0
OTRT532N01		N 1/8"	10	8,5	21,5	39,0	9/16"	28,0
OTRT532N02		N 1/4"	10	10,5	24,0	39,0	9/16"	31,0
OTRT1-4N01	1/4"	N 1/8"	13	8,5	21,5	42,5	9/16"	33,0
OTRT1-4N02		N 1/4"	13	10,5	24,0	42,5	9/16"	36,0
OTRT516N01	5/16"	N 1/8"	14	8,5	21,5	47,0	9/16"	34,0
OTRT516N02		N 1/4"	14	10,5	24,0	47,0	9/16"	37,0
OTRT38N02	3/8"	N 1/4"	16	10,5	26,0	51,5	11/16"	58,0
OTRT38N03		N 3/8"	16	11,5	27,5	51,5	11/16"	61,0
OTRT1-2N02	1/2"	N 1/4"	19	10,5	28,5	62,5	7/8"	75,0
OTRT1-2N03		N 3/8"	19	11,5	29,5	62,5	7/8"	78,0

drawings and technical data are not binding & can be changed without notice

OTRST-R

Swivel male lateral tee BSPT thread nickel-plated - metric tube



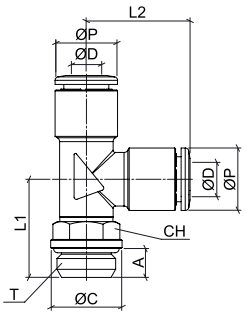


CODE	ØD	T	ØP	A	L1	L2	CH
OTRST04R01	4	R 1/8"	10	8	21,0	19,5	13
OTRST04R02		R 1/4"	10	10	23,5	19,5	14
OTRST06R01	6	R 1/8"	12	8	21,0	21,0	13
OTRST06R02		R 1/4"	12	10	23,5	21,0	14
OTRST08R01	8	R 1/8"	14	8	21,0	23,0	13
OTRST08R02		R 1/4"	14	10	23,5	23,0	14
OTRST10R02	10	R 1/4"	16	10	25,5	26,0	16
OTRST10R03		R 3/8"	16	11	27,0	26,0	17
OTRST12R03	12	R 3/8"	19	11	37,0	29,0	20
OTRST12R04		R 1/2"	19	14	40,0	29,0	22

OTRST-G

Swivel male lateral tee BSPP thread nickel-plated - metric tube



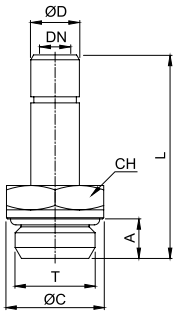


CODE	ØD	T	ØP	ØC	A	L1	L2	CH
OTRST04G01	4	G 1/8"	10	13	5,5	19,5	19,5	13
OTRST04G02		G 1/4"	10	16	6,5	22,0	19,5	13
OTRST06G01	6	G 1/8"	12	13	5,5	19,5	21,0	13
OTRST06G02		G 1/4"	12	16	6,5	22,0	21,0	13
OTRST08G01	8	G 1/8"	14	13	5,5	19,5	23,0	13
OTRST08G02		G 1/4"	14	16	6,5	22,0	23,0	13
OTRST10G02	10	G 1/4"	16	16	6,5	23,0	26,0	16
OTRST10G03		G 3/8"	16	20	7,5	26,0	26,0	16
OTRST12G03	12	G 3/8"	19	20	7,5	35,0	29,0	20
OTRST12G04		G 1/2"	19	25	9	37,0	29,0	20

OTRA-G

Stem adapter BSPP & metric thread nickel-plated - metric tube



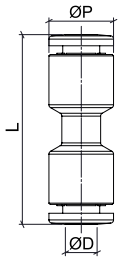


CODE	ØD	T	ØC	A	L	CH	DN	g
OTRA04M5	4	M5x0,8	7	4	24,5	8	2,0	3,0
OTRA04M7		M7x1	10	5,5	27,0	10	2,0	5,0
OTRA04G01		G 1/8"	13	5,5	27,0	13	2,0	10,0
OTRA04G02		G 1/4"	16	6,5	29,5	13	2,0	11,0
OTRA06M5	6	M5x0,8	7	4	25,5	8	2,5	5,0
OTRA06M7		M7x1	10	5,5	27,0	10	4,0	7,0
OTRA06G01		G 1/8"	13	5,5	28,0	13	4,0	9,0
OTRA06G02		G 1/4"	16	6,5	30,5	13	4,0	13,0
OTRA08G01	8	G 1/8"	13	5,5	29,5	13	6,0	10,0
OTRA08G02		G 1/4"	16	6,5	32,0	13	6,0	13,0
OTRA08G03		G 3/8"	20	7,5	33,5	13	6,0	21,0
OTRA10G01	10	G 1/8"	13	5,5	34,0	13	6,0	17,0
OTRA10G02		G 1/4"	16	6,5	36,5	13	8,0	15,0
OTRA10G03		G 3/8"	20	7,5	37,5	16	8,0	26,0
OTRA12G02	12	G 1/4"	16	6,5	37,5	13	8,5	22,0
OTRA12G03		G 3/8"	20	7,5	41,5	16	10,0	22,0
OTRA12G04		G 1/2"	25	9	43,0	20	10,0	35,0

OTRUC

Union connector nickel-plated - metric tube





CODE	ØD	ØP	L	g
OTRUC04-532	4	10	29,0	9,0
OTRUC0600	6	12	32,0	12,0
OTRUC08-516	8	14	36,0	16,0
OTRUC1000	10	16	39,0	21,0
OTRUC1200	12	19	44,5	37,0

Union connector nickel-plated - inch tube

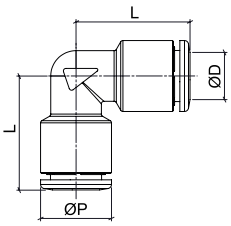
CODE	ØD	ØP	L	g
OTRUC04-532	5/32"	10	29,0	9,0
OTRUC1-4	1/4"	13	33,0	14,0
OTRUC08-516	5/16"	14	35,5	16,0
OTRUC38	3/8"	16	38,5	21,0
OTRUC1-2	1/2"	19	44,5	37,0

drawings and technical data are not binding & can be changed without notice

OTRUL

Union elbow nickel-plated - metric tube





CODE	ØD	ØP	L	g
OTRUL04-532	4	10	18,0	12,0
OTRUL0600	6	12	19,5	14,0
OTRUL08-516	8	14	22,5	20,0
OTRUL1000	10	16	25,5	26,0
OTRUL1200	12	19	29,0	49,0

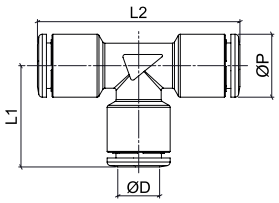
Union elbow nickel-plated - inch tube

CODE	ØD	ØP	L	g
OTRUL04-532	5/32"	10	18,0	12,0
OTRUL1-4	1/4"	13	21,0	19,0
OTRUL08-516	5/16"	14	22,5	20,0
OTRUL38	3/8"	16	25,0	28,0
OTRUL1-2	1/2"	19	29,0	49,0

OTRUT

Union tee nickel-plated - metric tube





CODE	ØD	ØP	L1	L2	g
OTRUT04-532	4	10	18,0	36,0	17,0
OTRUT0600	6	12	19,5	39,0	20,0
OTRUT08-516	8	14	22,5	45,5	30,0
OTRUT1000	10	16	25,5	50,5	37,0
OTRUT1200	12	19	29,0	58,5	68,0

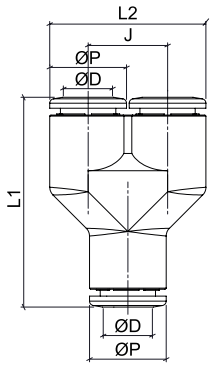
Union tee nickel-plated - inch tube

CODE	ØD	ØP	L1	L2	g
OTRUT04-532	5/32"	10	18,0	36,0	17,0
OTRUT1-4	1/4"	13	21,0	42,0	27,0
OTRUT08-516	5/16"	14	22,5	45,5	30,0
OTRUT38	3/8"	16	25,0	50,5	38,0
OTRUT1-2	1/2"	19	29,0	58,0	59,0

OTRY

Union Y nickel-plated - metric tube



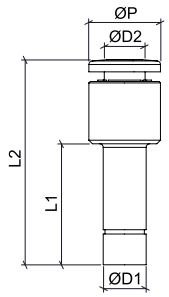


CODE	ØD	ØP	J	L1	L2	g
OTRY04	4	10	10,5	32,0	20,5	
OTRY06	6	12	12,5	35,5	24,5	
OTRY08	8	14	14,5	38,5	28,5	
OTRY10	10	16	17,0	45,5	33,0	
OTRY12	12	19	20,0	52,5	39,0	

OTRGJ

Stem reduction nickel-plated - metric tube





CODE	ØD1	ØD2	ØP	L1	L2	g
OTRGJ0604	6	4	10	18,0	30,0	6,0
OTRGJ0804	8	4	10	19,5	32,0	
OTRGJ0806	8	6	12	19,5	32,5	10,0
OTRGJ1006	10	6	12	24,0	37,0	
OTRGJ1008	10	8	14	24,0	38,0	13,0
OTRGJ1208	12	8	14	25,0	39,0	
OTRGJ1210	12	10	16	25,0	41,0	18,0

drawings and technical data are not binding & can be changed without notice

PUSH-IN FITTINGS FOOD GRADE HFR SERIES

PLUS

TEA⁺ SURFACE TREATMENT ABLE TO GUARANTEES A HIGH RESISTANCE TO CORROSION AND CHEMICALS

RELIABILITY and **HIGH MECHANICAL EFFICIENCY** are key features for high performances

COMPLETE RANGE for a wide array of applications

Suitable for **FOOD & BEVERAGE AND COFFEE MACHINES**

PRODUCTS CAN BE TAILOR-MADE TO SPECIFIC CUSTOMER NEEDS

M A D E I N I T A L Y



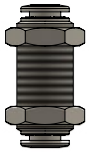
p. 77 / **HFRC-G**



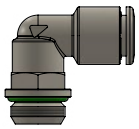
p. 77 / **HFROC**



p. 77 / **HFRCF-G**



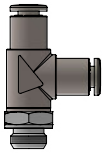
p. 78 / **HFRMM**



p. 78 / **HFRL-G**



p. 78 / **HFRT-G**



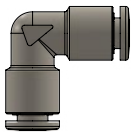
p. 79 / **HFRST-G**



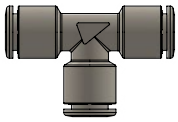
p. 79 / **HFRA-G**



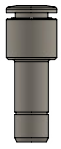
p. 79 / **HFRUC**



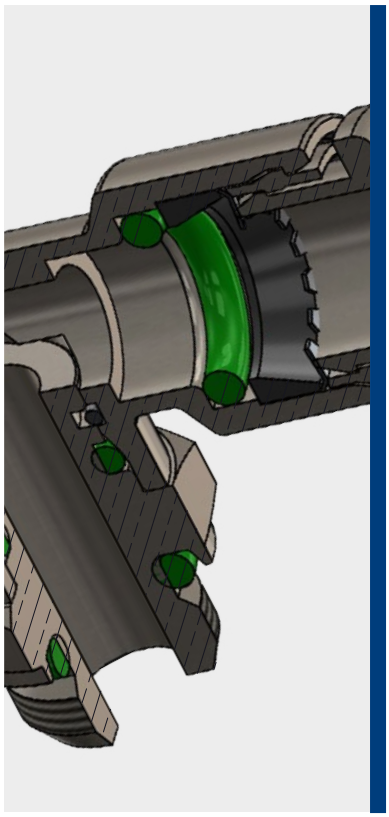
p. 80 / **HFRUL**



p. 80 / **HFRUT**



p. 80 / **HFRGJ**



-20°C ÷ 150°C

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air, vacuum, water and fluids suitable with the construction materials

- Parallel gas BSPP ISO 228 from G1/8" to G1/2"
- Metric ISO 262 M5 and M7

Polyamide PA, Polyethylene PE, FEP and PTFE

TEA⁺

HIGHLY CORROSION RESISTANT in strong acidic or alkaline enviroments:
- thicknesses of 2 - 4 µm withstand
- ASS 96h and CASS 48h salt spray tests

EN 16058 rig test (26 weeks)
NSF 61 section 8- pH5 Commercial hot (82°C) for taps, sanitary fittings, HVAC
EN 16889 for professional coffee machines and other "food zone" devices.

Body: TEA⁺ plated brass
Collet: TEA⁺ plated brass
Collar: PVDF-UHM FDA compliant
Lock claw: Stainless steel AISI 301
Back ring: PVDF-UHM FDA compliant
O-ring: FKM NSF/ANSI 61 certified and FDA compliant
Retaining ring for swivel system: Stainless steel AISI 302

NSF/ANSI 169

Food contact materials EC 1935/2004

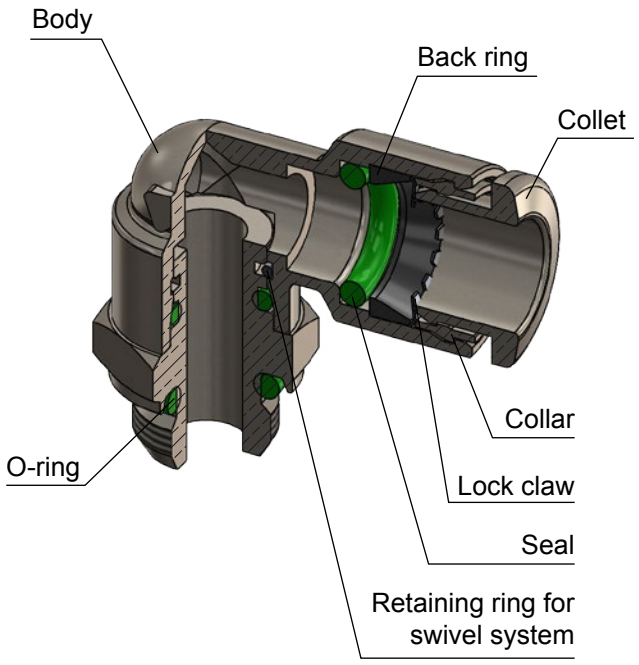
ICIM certified product food contact materials

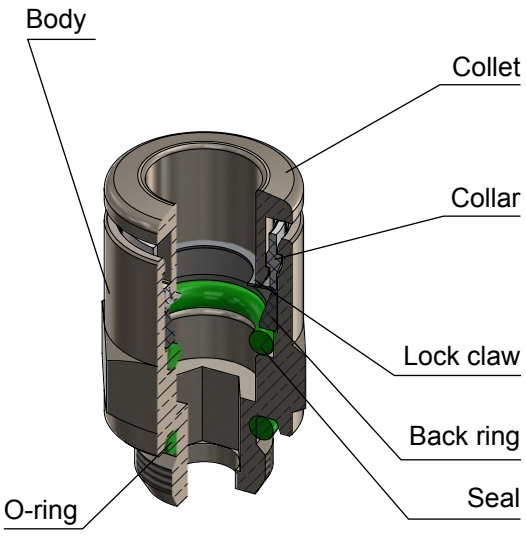
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



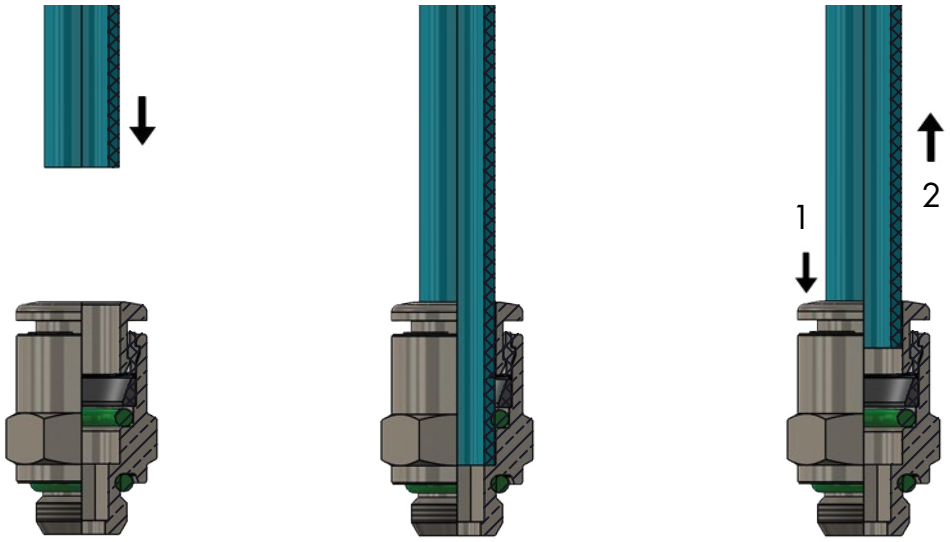


INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15

INSERTION DEPTH - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TUBE INSERTION LENGHT (mm)	14	15,5	17,5	19	21

TIGHTENING TORQUE

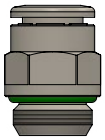
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

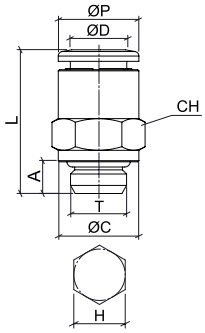
THREAD	M5x0,8	M7x1	1/8"	1/4"	3/8"	1/2"
Nm	1 ± 20%	3 ± 20%	6 ± 20%	7,5 ± 20%	9 ± 20%	9 ± 20%

drawings and technical data are not binding & can be changed without notice

HFRC-G

Male connector BSPP & metric thread



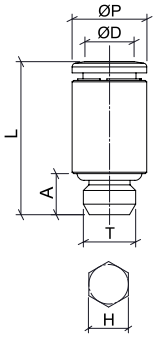


CODE	ØD	T	ØP	ØC	A	L	CH	H
HFRC04M5	4	M5x0,8	10	7	4	19,0	9	2,5
HFRC04G01		G 1/8"	10	14	5,5	18,0	10	3
HFRC04G02		G 1/4"	10	16	6,5	18,0	10	3
HFRC06M5	6	M5x0,8	12	7	4	21,0	11	2,5
HFRC06G01		G 1/8"	12	14	5,5	19,5	12	4
HFRC06G02		G 1/4"	12	16	6,5	19,5	12	4
HFRC08G01	8	G 1/8"	14	14	5,5	24,5	14	5
HFRC08G02		G 1/4"	14	16	6,5	21,5	14	6
HFRC08G03		G 3/8"	14	20	7,5	21,5	14	6
HFRC10G02	10	G 1/4"	16	16	6,5	27,5	16	7
HFRC10G03		G 3/8"	16	20	7,5	25,0	16	8
HFRC12G02	12	G 1/4"	19	16	6,5	30,0	19	7
HFRC12G03		G 3/8"	19	22	7,5	29,5	19	10
HFRC12G04		G 1/2"	19	25	9	28,0	19	10

HFROC

Male connector round body metric thread





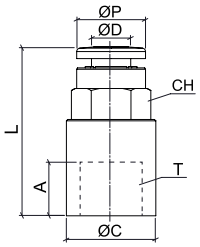
CODE	ØD	T	ØP	A	L	H
HFROC04M7	4	M7x1	10	6	20,5	2,5
* HFROC06M7C	6	M7x1	10	5,5	20,5	4

* compact version

HFRCF-G

Female connector BSPP thread

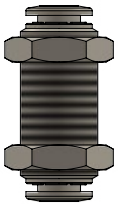


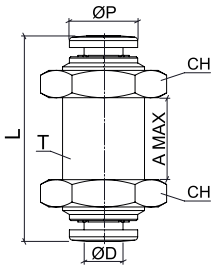


CODE	ØD	T	ØP	ØC	A	L	CH
HFRCF04G01	4	G 1/8"	10	13	7,5	24,5	13
HFRCF04G02		G 1/4"	10	16	11	27,0	10
HFRCF06G01	6	G 1/8"	12	13	7,5	26,0	12
HFRCF06G02		G 1/4"	12	16	11	29,0	12
HFRCF08G01	8	G 1/8"	14	13	7,5	27,0	14
HFRCF08G02		G 1/4"	14	16	11	30,0	14

HFRMM

Bulkhead connector

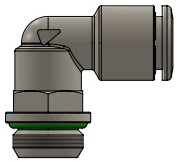


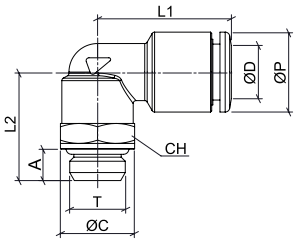


CODE	ØD	T	ØP	L	A MAX	CH
HFRMM04	4	M12x1	10	34,0	15	16
HFRMM06	6	M14x1	12	32,0	12	17
HFRMM08	8	M16x1	14	36,5	16	19
HFRMM10	10	M20x1	16	43,0	19	24
HFRMM12	12	M22x1,5	19	44,0	20	25

HFRL-G

Swivel male elbow BSPP & metric

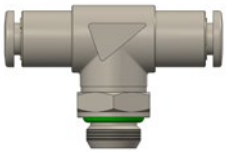


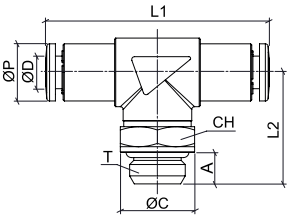


CODE	ØD	T	ØP	ØC	A	L1	L2	CH
HFRL04M5	4	M5x0,8	10	7	4	18,0	15,0	8
HFRL04G01		G 1/8"	10	13	5,5	19,5	19,0	13
HFRL04G02		G 1/4"	10	16	6,5	19,5	21,5	13
HFRL06M5	6	M5x0,8	12	7	4	19,5	16,0	8
HFRL06G01		G 1/8"	12	13	5,5	21,0	19,0	13
HFRL06G02		G 1/4"	12	16	6,5	21,0	21,5	13
HFRL08G01	8	G 1/8"	14	13	5,5	23,0	19,0	13
HFRL08G02		G 1/4"	14	16	6,5	23,0	21,5	13
HFRL08G03		G 3/8"	14	20	7,5	23,0	23,0	13
HFRL10G02	10	G 1/4"	16	16	6,5	26,0	23,0	16
HFRL10G03		G 3/8"	16	20	7,5	26,0	26,0	16
HFRL12G02	12	G 1/4"	19	16	6,5	31,0	25,5	20
HFRL12G03		G 3/8"	19	20	7,5	31,0	26,5	20
HFRL12G04		G 1/2"	19	25	9	31,0	29,0	20

HFRT-G

Swivel male tee BSPP thread



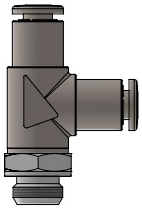


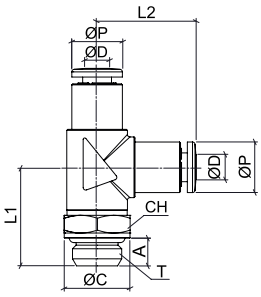
CODE	ØD	T	ØP	A	L1	L2	CH
HFRT04G01	4	G 1/8"	10	5,5	39,0	19,5	13
HFRT06G01	6	G 1/8"	12	5,5	42,0	19,5	13
HFRT06G02		G 1/4"	12	6,5	42,0	22,0	13
HFRT08G01	8	G 1/8"	14	5,5	46,5	19,5	13
HFRT08G02		G 1/4"	14	6,5	46,5	22,0	13

drawings and technical data are not binding & can be changed without notice

HFRST-G

Swivel male lateral tee BSPP thread



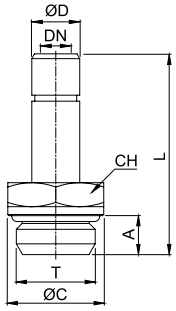


CODE	ØD	T	ØP	ØC	A	L1	L2	CH
HFRST04G01	4	G 1/8"	10	13	5,5	19,5	19,5	13

HFRA-G

Stem adapter BSPP thread

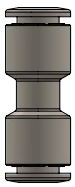


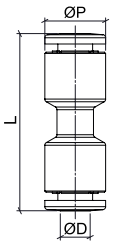


CODE	ØD	T	ØC	A	L	DN	CH
HFRA04G01	4	G 1/8"	13	5,5	28,0	2,0	13
HFRA06G01	6	G 1/8"	13	5,5	29,0	4,0	13
HFRA06G02		G 1/4"	16	6,5	30,5	4,0	13
HFRA08G01	8	G 1/8"	13	5,5	30,0	6,0	13
HFRA08G02		G 1/4"	16	6,5	32,0	6,0	13
HFRA10G01	10	G 1/8"	13	5,5	35,0	6,0	13
HFRA10G02		G 1/4"	16	6,5	36,5	8,0	13
HFRA12G02	12	G 1/4"	16	6,5	37,5	8,0	13

HFRUC

Union connector

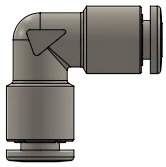


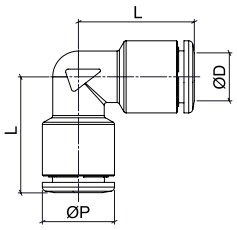


CODE	ØD	ØP	L
HFRUC04	4	10	29,0
HFRUC06	6	12	32,0
HFRUC08	8	14	35,5
HFRUC10	10	16	39,5
HFRUC12	12	19	44,0

HFRUL

Union elbow

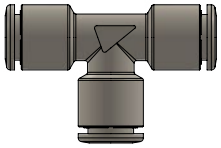


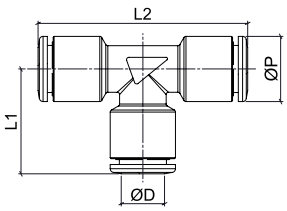


CODE	ØD	ØP	L
HFRUL04	4	10	18,0
HFRUL06	6	12	19,5
HFRUL08	8	14	22,5
HFRUL10	10	16	25,5
HFRUL12	12	19	29,0

HFRUT

Union tee



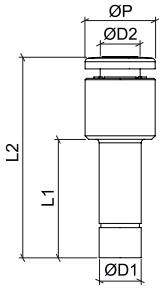


CODE	ØD	ØP	L1	L2
HFRUT04	4	10	18,0	36,0
HFRUT06	6	12	19,5	39,0
HFRUT08	8	14	22,5	45,0
HFRUT10	10	16	25,5	51,0
HFRUT12	12	19	29,0	58,0

HFRGJ

Stem reduction





CODE	ØD1	ØD2	ØP	L1	L2
HFRGJ0604	6	4	10	17,0	28,5
HFRGJ0806	8	6	12	19,5	34,5
HFRGJ1008	10	8	14	24,0	37,5
HFRGJ1210	12	10	16	25,0	40,0

drawings and technical data are not binding & can be changed without notice

PUSH-IN FITTINGS Fluidfit

W270 KTW

PLUS

SUITABLE FOR CONTACT WITH POTABLE WATER AND FOOD for osmosis, vending and water treatment plants in food sectors

DESIGNED TO ENSURE A COMPLETE PASSAGE and to keep the characteristics of the fluids unchanged

DYNAMIC GRIPPING SYSTEM to be used with food fluids

EPDM SEALING in order to guarantee a long duration over time

GREAT CHEMICAL AND MECHANICAL RESISTANCE even at high temperatures

CAN BE USED WITH AIR EVEN AT VERY LOW TEMPERATURES

SAFETY CLIP TO AVOID ACCIDENTAL DISCONNECTIONS guaranteeing perfect functionally even in case of extreme applications

A FULL RANGE OF DIAMETERS AND SHAPES allows them to be used in various industrial sectors



p. 87 / **HPC-R**



p. 87 / **HPC-G**



p. 88 / **HCF-G**



p. 88 / **HPL-R**



p. 88 / **HMM**

p. 89 / **HGJ**



p. 89 / **HCJ-R**



p. 89 / **HCJ-G**

p. 90 / **HLJ**



p. 90 / **HSJ**

p. 90 / **HCBB**



p. 91 / **HUC**



p. 91 / **HUL**



p. 92 / **HUT**



p. 92 / **HUY**

p. 92 / **HCJB**



p. 92 / **HLJB**



p. 93 / **HPP**



p. 93 / **HPF**



p. 93 / **HZA**



p. 94 / **HRPL-R**

p. 94 / **HRPL-G**



p. 94 / **HRPT-R**



p. 95 / **HRPT-G**



p. 95 / **HRST-R**



p. 95 / **HRST-G**



p. 96 / **HRWT-R**



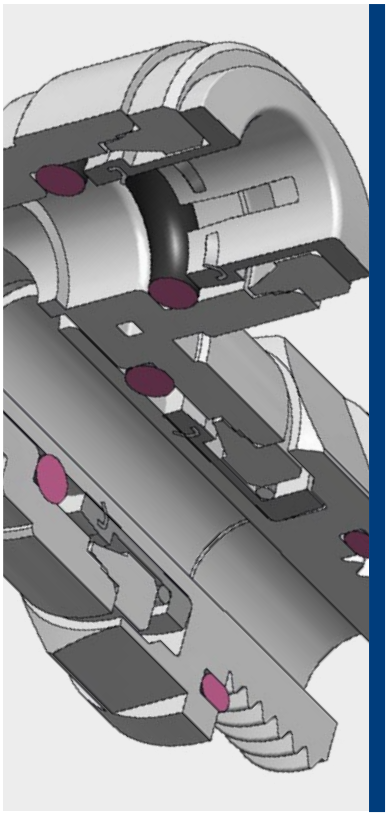
p. 96 / **HRWT-G**



p. 97 / **HUFF**



p. 97 / **HCP**



Dry air: -20°C ÷ 98°C
Air & Fluids: 1°C ÷ 98°C
(see the table)

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)
Data depend on tube and temperature

Water, beverages, vacuum, compressed air, gases & liquids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"

Polyethylene PE, polyamide PA, polyurethane PU, PTFE, FEP
Tubes made of light metals: Brass, copper and mild steel
Tubes made of hard materials: See table for use of tubes made of hard materials

Body: POM
Collet: POM
Lock claw: Stainless steel AISI 301
Seal: EPDM suitable for food contact
O-ring: EPDM suitable for food contact

Food contact materials EC 1935/2004

D.M. 174/2004

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS

NSF51
NSF61

W270 DVGW - W270

KTW guidelines for cold water at 23°C

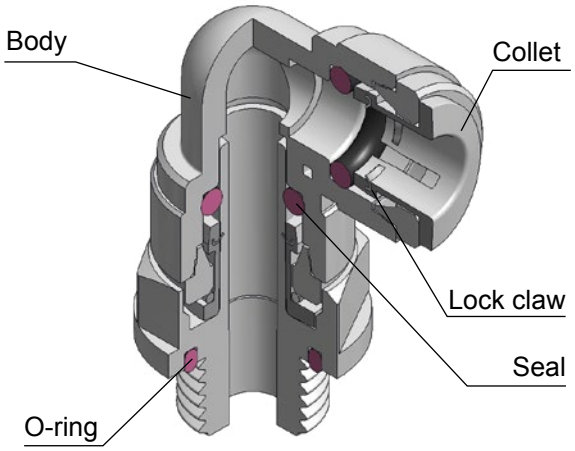
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

WORKING PRESSURE AND TEMPERATURE

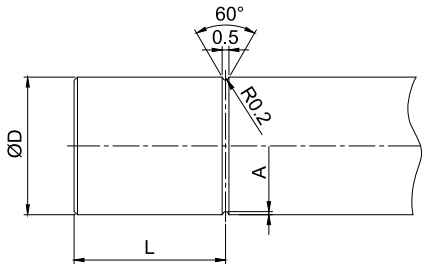
Ø (mm)	-20°C	1°C	25°C	70°C	98°C
4	0-8 Bar only with dry air	20 Bar	20 Bar	16 Bar	10 Bar
6		20 Bar	20 Bar	16 Bar	10 Bar
8		20 Bar	20 Bar	16 Bar	10 Bar
10		16 Bar	16 Bar	14 Bar	10 Bar
12		14 Bar	14 Bar	8 Bar	6 Bar

CONSTRUCTION DETAILS



PIPE GROOVE - HARD MATERIALS TUBE

When using metallic tubes, please deburr the tubes ends to avoid potential cutting or other damages to the O-ring.



ØD (mm)	L	A
4	7,6	0,23
6	8,0	0,23
8	9,0	0,23
10	11,0	0,23
12	12,7	0,23

TOLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,08	± 0,08	± 0,08	± 0,08	± 0,10

INSERTION DEPTH - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TUBE INSERTION LENGHT (mm)	14,7	16,1	17,5	20,1	24,7

TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	1/8"	1/2"
Nm	1,5	1,5	3,0	3,0

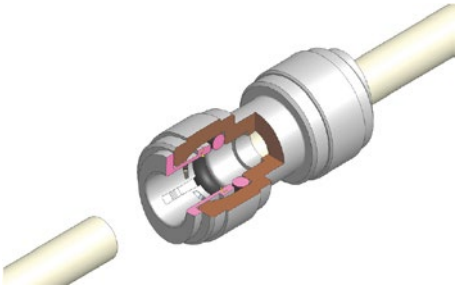
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	1,5	1,5	3,0	3,0

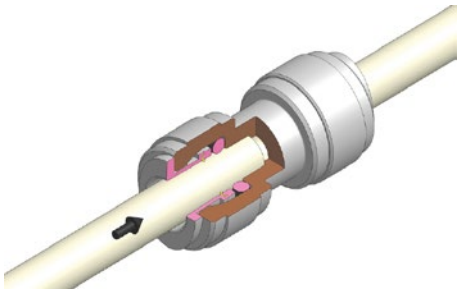
INSTRUCTIONS FOR CONNECTING AND DISCONNECTING THE TUBE FROM THE FITTING

We recommend to read and follow all the instructions, precautions and warnings contained in this catalogue before using the products in pressurized systems. Failure to follow all instructions, precautions and warnings may result in bodily harm or property damages. CDC Fluidtech Europe disclaims any responsibility in case of damages for wrong use of the products.

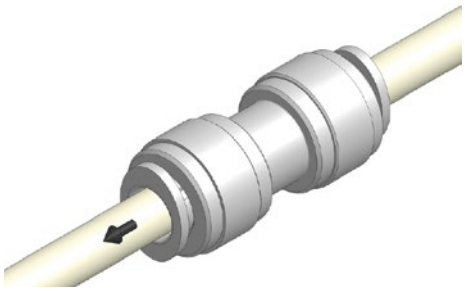
CONNECTION OF THE TUBE TO THE FITTING



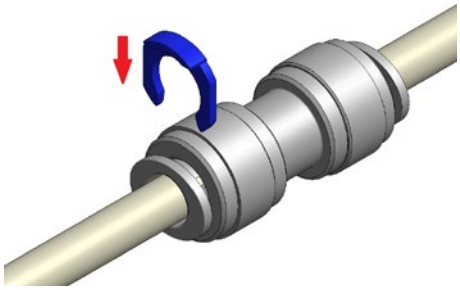
Make sure that the tube size and the push-in system size of the fittings are the same.
Cut square (90° angle) the part of the tube that has to be inserted into the fittings using the proper tube cutter.
Make sure that the tube used is clean and does not present any scratch, crack, cut or deformity.
Before inserting the tube, please remove any possible obstuction inside the fitting.



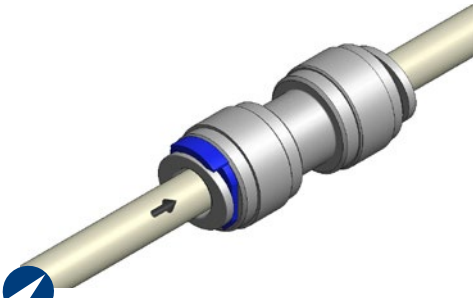
Make sure that the tube is correctly and fully inserted.
Inserting the tube into the fitting requires a moderate strain. The tube and the fitting should not be scratched or damaged during the insertion, otherwise there may be leaks or further wrong functions.
Please connect the tube by hands, without using any kind of tool, whether dedicated or not.



To make sure that the fitting is properly connected to the tube, please pull it once without releasing the collet.

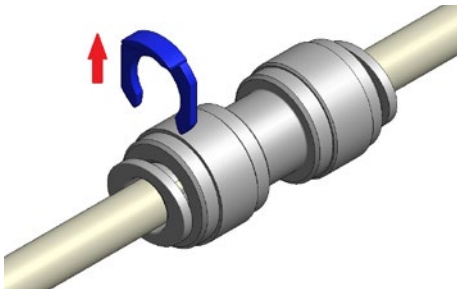


After pulling, insert a locking clip of the right dimension between the fitting body and the collet.

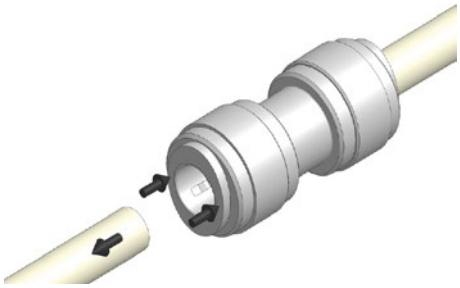


Push once more the tube into the fitting for a complete insertion.
The use of our locking clips avoids accidental disconnections of the tube and eliminates any play between the tube and the fitting. All the performance limits indicated in this catalogue are related to the systems assembled with locking clips installed.

DISCONNECTION OF THE TUBE TO THE FITTING



Make sure that the pressure has been completely eliminated from the system before disassembling the tube.
In order to disconnect the tube, remove the locking clip first.



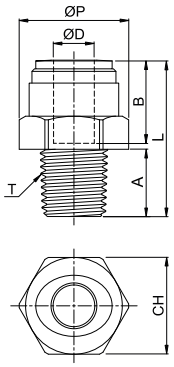
Push the collet in the direction of the body of the fitting and pull the tube keeping the collet pushed in order to disconnect the tube from the fitting.

Fittings and tubes can be reused providing that they are not ruined and correctly working. It is possible to reuse them only in case of maintenance and only using the same fluid used before. The reuse refers to the push-in system only, being not guaranteed for the threaded part of the fittings. In case of reuse of a tube, the part previously inserted into the fitting has to be cut and the whole tube has to be verified.

HPC-R

Male connector BSPT thread



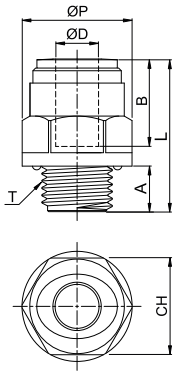


CODE	ØD	T	ØP	A	B	L	CH	g
HPC04R01W	4	R 1/8"	18,5	9,1	14,7	26,0	17	4,1
HPC06R01W	6	R 1/8"	18,5	9,1	16,1	26,2	17	3,9
HPC06R02W		R 1/4"	18,5	13,1	16,1	26,7	17	4,2
HPC06R03W		R 3/8"	21,0	13,5	16,1	26,6	19	5,9
HPC08R01W	8	R 1/8"	21,0	9,1	17,5	28,1	19	5,2
HPC08R02W		R 1/4"	21,0	13,1	17,5	30,6	19	5,8
HPC08R03W		R 3/8"	21,0	13,5	17,5	27,0	19	5,7
HPC10R03W	10	R 3/8"	23,2	13,5	20,1	28,8	21	6,7
HPC10R04W		R 1/2"	24,4	16,3	20,1	32,1	22	9,6
HPC12R03W	12	R 3/8"	26,5	13,5	24,7	32,2	24	8,9
HPC12R04W		R 1/2"	26,5	16,3	24,7	34,3	24	11,0

HPC-G

Male connector BSPP thread



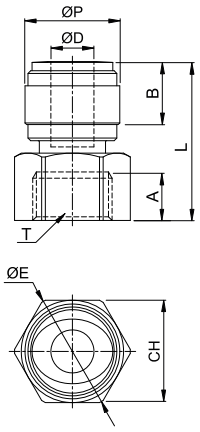


CODE	ØD	T	ØP	A	B	L	CH	g
HPC04G01W	4	G 1/8"	16,6	6,0	14,7	21,9	15	3,3
HPC04G02W		G 1/4"	20,5	8,5	14,7	23,9	18	4,9
HPC06G01W	6	G 1/8"	16,6	6,0	16,1	24,1	15	3,3
HPC06G02W		G 1/4"	20,5	8,5	16,1	24,1	18	4,8
HPC08G01W	8	G 1/8"	18,5	6,0	17,5	27,0	17	5,2
HPC08G02W		G 1/4"	20,5	8,5	17,5	28,5	18	6,1
HPC08G03W		G 3/8"	24,0	9,0	17,5	26,5	21	7,0
HPC08G04W		G 1/2"	28,5	12,5	17,5	29,5	26	11,9
HPC10G02W	10	G 1/4"	21,1	8,5	20,1	30,8	19	7,2
HPC10G03W		G 3/8"	24,2	9,0	20,1	26,3	21	7,0
HPC10G04W		G 1/2"	28,5	12,5	20,1	29,8	26	11,3
HPC12G03W	12	G 3/8"	27,0	9,0	24,7	34,2	24	11,6
HPC12G04W		G 1/2"	28,5	12,5	24,7	32,7	26	12,4

HCF-G

Female adapter BSPP thread with internal flat seal





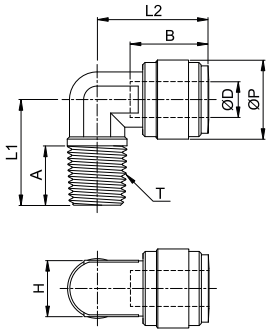
	CODE	ØD	T	ØP	A	B	ØE	L	CH	g
	HCF04G01W	4	G 1/8"	17,6	6,0	14,7	19,2	26,9	17	6,0
	HCF06G01W	6	G 1/8"	17,6	6,0	16,1	19,2	27,1	17	6,1
	HCF06G02W		G 1/4"	17,6	8,5	16,1	21,5	29,1	19	7,0
	HCF06G03W		G 3/8"	17,6	9,0	16,1	27,3	30,6	24	9,9
	HCF08G01W	8	G 1/8"	17,6	6,0	17,5	19,2	27,5	17	6,0
	HCF08G02W		G 1/4"	17,6	8,5	17,5	21,5	29,5	19	6,7
	HCF08G03W		G 3/8"	17,6	9,0	17,5	27,3	31,0	24	9,7
	HCF08G04W		G 1/2"	20,0	12,5	17,5	30,0	38,0	27	13,8
*	HCF08G06W		G 3/4"	20,0	10,0	17,5	41,6	36,6	36,7	39,2
	HCF10G02W	10	G 1/4"	23,0	8,5	20,1	21,5	34,5	19	10,8
	HCF10G03W		G 3/8"	23,0	9,0	20,1	27,3	37,0	24	13,7
	HCF10G04W		G 1/2"	20,0	12,5	20,1	30,0	38,3	27	13,3
*	HCF10G06W		G 3/4"	20,0	10,0	20,1	41,6	36,9	36,7	38,6
	HCF12G02W	12	G 1/4"	23,0	9,0	24,7	27,3	37,7	24	13,0
	HCF12G03W		G 3/8"	23,0	9,0	24,7	27,3	37,7	24	13,0
	HCF12G04W		G 1/2"	23,0	12,5	24,7	30,0	41,7	27	15,4

* HCF08G06W & HCF10G06W: brass thread

HPL-R

Male elbow BSPT thread



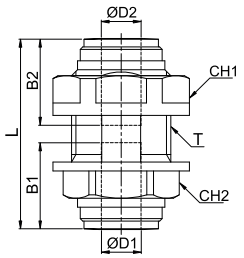


CODE	ØD	T	ØP	A	B	L1	L2	CH	g
HPL04R01W	4	R 1/8"	15,0	9,1	14,7	25,6	25,2	10	4,2
HPL04R02W		R 1/4"	15,0	13,1	14,7	30,6	26,8	10	5,6
HPL06R01W	6	R 1/8"	15,0	9,1	16,1	25,6	25,4	10	4,1
HPL06R02W		R 1/4"	15,0	13,1	16,1	30,6	27,0	10	5,1
HPL06R03W		R 3/8"	17,6	13,5	16,1	32,6	33,1	13	8,4
HPL08R02W	8	R 1/4"	17,6	13,1	17,5	32,2	31,5	13	7,0
HPL08R03W		R 3/8"	17,6	13,5	17,5	32,6	33,5	13	8,0
HPL10R02W	10	R 1/4"	23,6	13,1	20,1	38,3	37,5	17	14,1
HPL10R03W		R 3/8"	20,0	13,5	20,1	35,7	33,9	14	9,2
HPL12R02W	12	R 1/4"	23,6	13,1	24,7	38,3	38,2	17	13,1
HPL12R03W		R 3/8"	23,0	13,5	24,7	38,3	38,4	17,0	13,2
HPL12R04W		R 1/2"	23,0	16,3	24,7	41,4	40,7	17,7	15,6

HMM

Bulkhead connector with seal

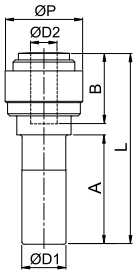




CODE	ØD1	ØD2	T	B1	B2	L	CH1	CH2 (FIXED)	g
HMM0404W	4	4	M15x1,5P	14,7	14,7	32,4	17	18	6,9
HMM0606W	6	6	M17x1,5P	16,1	16,1	35,7	19	21	9,6
HMM0808W	8	8	M20x1,75P	17,5	17,5	38,5	21	25,5	14,0
HMM1010W	10	10	M24x1,75P	20,1	20,1	42,2	24	28,5	19,5
HMM1212W	12	12	M27x2,0P	24,7	24,7	51,4	27	31	28,2
REDUCED BULKHEAD CONNECTOR WITH SEAL									
HMM0604W	6	4	M17x1,5P	16,1	14,7	35,5	19	21	9,8
HMM0806W	8	6	M20x1,75P	17,5	16,1	38,1	21	25,5	14,3

HGJ

Stem reduction

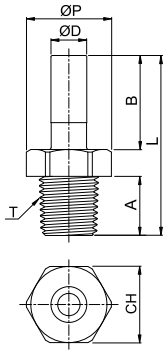


CODE	ØD1	ØD2	ØP	A	B	L	g
HGJ0604W	6	4	13,2	21,0	14,7	36,7	2,4
HGJ0804W	8	4	15,5	22,5	14,7	40,4	3,7
HGJ0806W	8	6	15,5	22,5	16,1	40,6	3,5
HGJ1006W	10	6	17,6	24,8	16,1	43,4	5,2
HGJ1008W	10	8	17,6	24,8	17,5	43,8	5,1
HGJ1208W	12	8	20,0	29,5	17,5	51,3	7,3
HGJ1210W	12	10	20,0	29,5	20,1	51,6	6,9
STEM ENLARGER							
HGJ0405W	4	5	13,8	18,0	15,0	35,0	2,4
HGJ0810W	8	10	20,0	22,5	20,1	44,9	5,4

HCJ-R

Stem adapter BSPT thread

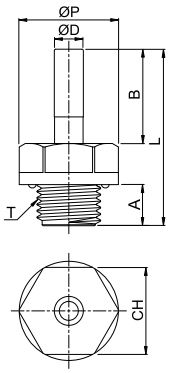




CODE	ØD	T	ØP	A	B	L	CH	g
HCJ04R01W	4	R 1/8"	14,4	9,1	18,0	33,1	13	1,8
HCJ04R02W		R 1/4"	18,5	13,1	18,0	37,1	17	3,5
HCJ06R01W	6	R 1/8"	14,4	9,1	19,5	34,6	13	2,0
HCJ06R02W		R 1/4"	18,5	13,1	19,5	38,6	17	3,7
HCJ08R01W	8	R 1/8"	14,4	9,1	21,0	36,1	13	2,2
HCJ08R02W		R 1/4"	18,5	13,1	21,0	40,1	17	3,8
HCJ08R03W		R 3/8"	23,0	13,5	21,0	40,5	21	5,3
HCJ10R02W	10	R 1/4"	18,5	13,1	24,0	43,1	17	4,5
HCJ10R03W		R 3/8"	23,0	13,5	24,0	44,0	21	6,1
HCJ10R04W		R 1/2"	26,5	16,5	24,0	47,0	24	9,7
HCJ12R03W	12	R 3/8"	23,0	13,5	28,0	48,0	21	6,8
HCJ12R04W		R 1/2"	26,5	16,5	28,0	51,0	24	10,2

HCJ-G

Stem adapter BSPP thread

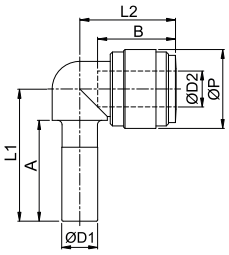


CODE	ØD	T	ØP	A	B	L	CH	g
HCJ04G01W	4	G 1/8"	16,6	6,0	18,0	32,5	15	2,7
HCJ04G02W		G 1/4"	20,5	8,5	18,0	35,0	18	4,2
HCJ06G01W	6	G 1/8"	16,6	6,0	19,5	34,0	15	2,8
HCJ06G02W		G 1/4"	20,5	8,5	19,5	36,5	18	4,3
HCJ08G01W	8	G 1/8"	16,6	6,0	21,0	35,5	15	3,0
HCJ08G02W		G 1/4"	20,5	8,5	21,0	38,0	18	4,6
HCJ08G03W		G 3/8"	24,2	9,0	21,0	38,5	22	6,2
HCJ10G02W	10	G 1/4"	20,5	8,5	24,0	41,0	18	5,2
HCJ10G03W		G 3/8"	24,2	9,0	24,0	41,5	22	6,8
HCJ10G04W		G 1/2"	28,5	12,5	24,0	45,0	26	10,7
HCJ12G03W	12	G 3/8"	24,2	9,0	28,0	45,5	22	7,3
HCJ12G04W		G 1/2"	28,5	12,5	28,0	49,0	26	11,2

HLJ

Union elbow tube with stem



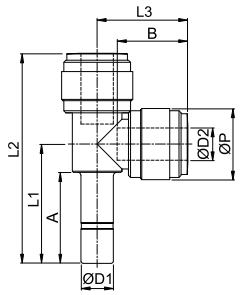


CODE	ØD1	ØD2	ØP	A	B	L1	L2	g
HLJ0404W	4	4	13,2	18,0	14,7	30,1	21,9	2,5
HLJ0606W	6	6	15,5	21,0	16,1	34,8	25,1	3,7
HLJ0808W	8	8	17,6	22,5	17,5	38,3	27,7	5,3
HLJ1010W	10	10	20,0	24,8	20,1	43,2	31,3	7,4
HLJ1212W	12	12	23,6	29,5	24,7	51,2	39,0	12,6
REDUCTION UNION ELBOW TUBE WITH STEM								
HLJ1006W	10	6	20,0	24,8	16,1	43,2	30,6	7,8
HLJ1008W	10	8	20,0	24,8	17,5	43,2	31,0	8,2
ENLARGER UNION ELBOW TUBE WITH STEM								
HLJ0608W	6	8	17,6	21,0	17,5	36,8	26,0	4,7

HSJ

Male lateral tee with stem

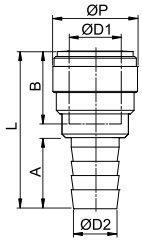




CODE	ØD1	ØD2	ØP	A	B	L1	L2	L3	g
HSJ0404W	4	4	13,2	18,0	14,7	23,5	41,2	17,7	4,5
HSJ0606W	6	6	15,0	21,0	16,1	27,0	47,1	20,1	5,9
HSJ0808W	8	8	17,6	22,5	17,5	29,5	52,0	22,5	9,1
HSJ1010W	10	10	20,0	24,8	20,1	33,2	59,3	26,1	12,5
HSJ1212W	12	12	23,0	29,4	24,7	39,4	71,1	31,7	19,6

HCBB

Barb connector

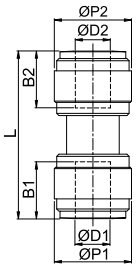


CODE	ØD1	ØD2	BARB	ØP	A	B	L	g
HCBB1210W	12	10	10,0	23,0	20,0	24,7	46,9	8,5

HUC

Union connector



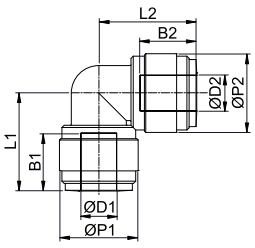


CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L	g
HUC0404W	4	4	13,2	13,2	14,7	14,7	31,8	3,8
HUC0606W	6	6	15,0	15,0	16,1	16,1	35,2	4,7
HUC0808W	8	8	17,6	17,6	17,5	17,5	38,2	6,9
HUC1010W	10	10	20,0	20,0	20,1	20,1	42,7	9,2
HUC1212W	12	12	23,0	23,0	24,7	24,7	52,4	14,4
REDUCED UNION CONNECTOR								
HUC0604W	6	4	15,0	15,0	16,1	14,7	35,0	5,0
HUC0605W	6	5	15,0	15,0	16,1	14,9	35,1	4,9
HUC0804W	8	4	17,6	17,6	17,5	14,7	36,6	6,5
HUC0806W	8	6	17,6	17,6	17,5	16,1	37,8	7,1
HUC1006W	10	6	20,0	15,5	20,1	16,1	42,0	9,8
HUC1008W	10	8	20,0	20,0	20,1	17,5	42,4	9,6
HUC1208W	12	8	23,6	17,6	24,7	17,5	44,4	11,5
HUC1210W	12	10	23,0	23,0	24,7	20,1	51,7	15,0

HUL

Union elbow

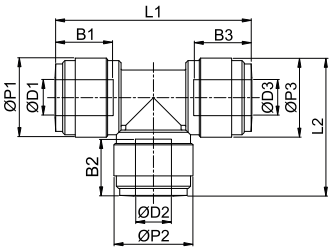




CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L1	L2	g
HUL0404W	4	4	13,2	13,2	14,7	14,7	24,5	24,5	3,9
HUL0606W	6	6	15,0	15,0	16,1	16,1	27,6	27,6	5,1
HUL0808W	8	8	17,6	17,6	17,5	17,5	30,7	30,7	7,6
HUL1010W	10	10	20,0	20,0	20,1	20,1	35,8	35,8	10,2
HUL1212W	12	12	23,0	23,0	24,7	24,7	43,2	43,2	16,4
REDUCED UNION ELBOW									
HUL0804W	8	4	17,6	13,2	17,5	14,7	28,3	29,7	5,9
HUL0806W	8	6	17,6	17,6	17,5	16,1	30,7	30,3	7,7
HUL1006W	10	6	23,0	17,6	20,1	16,1	37,8	36,1	12,6
HUL1008W	10	8	20,0	20,0	20,1	17,5	35,8	35,5	10,2
HUL1206W	12	6	23,0	17,6	24,7	16,1	38,5	36,1	12,0
HUL1208W	12	8	23,0	17,6	24,7	17,5	38,5	36,5	11,9
HUL1210W	12	10	23,0	23,0	24,7	20,1	43,2	42,5	17,3

HUT — Union tee

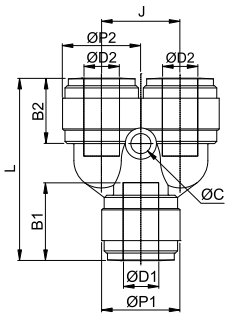




CODE	ØD1	ØD2	ØD3	ØP1	ØP2	ØP3	B1	B2	B3	L1	L2	g
HUT0404W	4	4	4	13,2	13,2	13,2	14,7	14,7	14,7	24,5	35,8	5,8
HUT0606W	6	6	6	15,0	15,0	15,0	16,1	16,1	16,1	27,6	40,2	7,3
HUT0808W	8	8	8	17,6	17,6	17,6	17,5	17,5	17,5	30,7	43,8	10,6
HUT1010W	10	10	10	20,0	20,0	20,0	20,1	20,1	20,1	35,8	51,6	14,6
HUT1212W	12	12	12	23,0	23,0	23,0	24,7	24,7	24,7	43,2	63,4	23,2
REDUCED UNION TEE												
HUT100806W	10	8	6	20,0	15,0	20,0	20,1	17,5	16,1	32,1	48,6	15,6
HUT100608W	10	6	8	20,0	15,0	20,0	20,1	16,1	17,5	32,1	48,6	15,6
HUT100610W	10	6	10	20,0	15,0	20,0	20,1	16,1	20,1	32,1	48,7	12,0
HUT121012W	12	10	12	23,0	23,0	23,0	24,7	20,1	24,7	42,5	63,4	24,2

HUY — Union Y

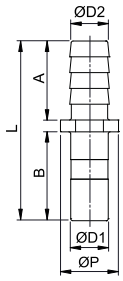




CODE	ØD1	ØD2	ØP1	ØP2	ØC	B1	B2	J	L	g
HUY0404W	4	4	13,8	13,8	3,3	14,7	14,7	13,5	33,7	6,7
HUY0606W	6	6	15,5	15,5	3,3	16,1	16,1	15,5	38,8	9,2
HUY0808W	8	8	17,6	17,6	4,5	17,5	17,5	17,6	41,0	11,6
HUY1010W	10	10	20,0	20,0	4,5	20,1	20,1	20,0	46,2	16,0
HUY1212W	12	12	23,0	23,0	4,5	24,7	24,7	23,0	56,4	26,3
REDUCED UNION Y										
HUY1008W	10	8	20,0	20,0	4,5	20,1	17,5	20,0	45,9	16,8

HCJB — Tube barb connector

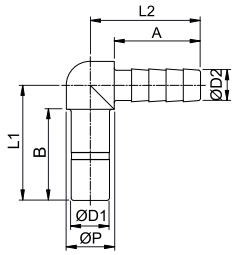




CODE	ØD1	ØD2	BARB	ØP	A	B	L	g
HCJB0604W	6	4	4,5	11,4	18,0	17,2	38,2	1,0
HCJB0606W	6	6	6,5	11,4	18,0	17,2	38,2	1,1
HCJB0806W	8	6	6,5	12,2	18,0	19,0	40,0	1,7
HCJB1006W	10	6	6,5	14,7	18,0	22,5	43,5	2,3
HCJB1008W	10	8	8,6	14,7	18,0	22,5	43,5	2,7
HCJB1010W	10	10	10,6	14,7	20,0	22,5	45,5	3,0
HCJB1210W	12	10	10,6	18,5	20,0	27,5	50,5	4,3

HLJB — Elbow tube barb connector





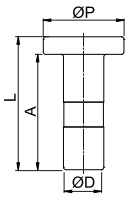
CODE	ØD1	ØD2	BARB	ØP	A	B	L1	L2	g
HLJB1006W	10	6	6,5	12,0	18,0	22,5	28,5	24,0	3,0
HLJB1008W	10	8	8,6	12,0	18,0	22,5	28,5	24,0	3,4

drawings and technical data are not binding & can be changed without notice

HPP

Male plug



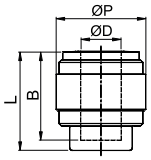


CODE	ØD	ØP	A	L	g
HPP04W	4	13	19,0	22,5	0,8
HPP06W	6	13	21,0	24,5	1,1
HPP08W	8	16	23,0	26,5	1,8
HPP10W	10	18	26,0	30,0	2,7
HPP12W	12	21	30,0	34,0	4,0

HPF

Female plug



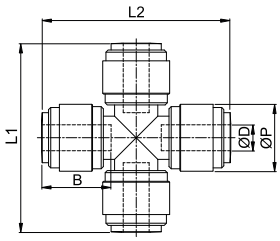


CODE	ØD	ØP	B	L	g
HPF06W	6	15,5	16,1	18,9	2,8
HPF08W	8	17,6	17,5	19,5	3,6
HPF10W	10	20,0	20,1	22,1	4,7
HPF12W	12	23,0	24,7	26,7	7,3

HZA

Cross junction



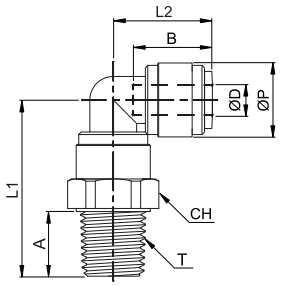


CODE	ØD	ØP	B	L1	L2	g
HZA0606W	6	15,5	16,1	43,8	43,8	9,7
HZA0808W	8	17,6	17,5	47,3	47,3	15,0

HRPL-R

Swivel male elbow BSPT thread



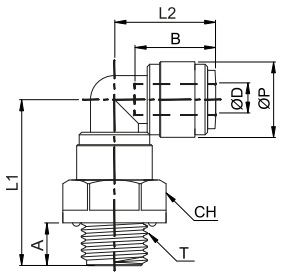


CODE	ØD	T	ØP	A	B	L1	L2	CH	g
HRPL04R01W	4	R 1/8"	13,2	9,1	14,7	29,7	17,9	15	5,9
HRPL04R02W		R 1/4"	13,2	13,1	14,7	33,7	17,9	17	7,3
HRPL06R01W	6	R 1/8"	15,0	9,1	16,1	31,7	20,1	17	7,2
HRPL06R02W		R 1/4"	15,0	13,1	16,1	35,7	20,1	17	8,0
HRPL08R01W	8	R 1/8"	17,6	9,1	17,5	33,4	21,9	19	9,9
HRPL08R02W		R 1/4"	17,6	13,1	17,5	37,4	21,9	19	10,7
HRPL08R03W		R 3/8"	17,6	13,5	17,5	37,8	21,9	19	11,4
HRPL10R02W	10	R 1/4"	20,0	13,1	20,1	41,4	25,8	21	15,1
HRPL10R03W		R 3/8"	20,0	13,5	20,1	41,8	25,8	21	15,2
HRPL10R04W		R 1/2"	20,0	16,5	20,1	44,8	25,8	24	19,5
HRPL12R03W	12	R 3/8"	23,0	13,5	24,7	48,2	31,7	24	23,4
HRPL12R04W		R 1/2"	23,0	16,5	24,7	51,2	31,7	24	25,9

HRPL-G

Swivel male elbow BSPP thread



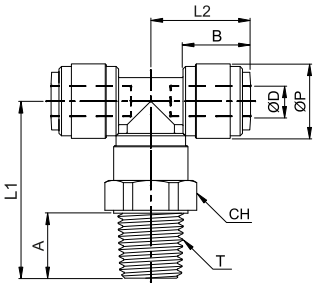


CODE	ØD	T	ØP	A	B	L1	L2	CH	g
HRPL04G01W	4	G 1/8"	13,2	6,0	14,7	28,5	17,9	15,0	6,0
HRPL04G02W		G 1/4"	13,2	8,5	14,7	31,0	17,9	18,0	7,7
HRPL06G01W	6	G 1/8"	15,0	6,0	16,1	30,5	20,1	17,0	7,7
HRPL06G02W		G 1/4"	15,0	8,5	16,1	33,0	20,1	18,0	8,7
HRPL08G01W	8	G 1/8"	17,6	6,0	17,5	31,9	21,9	18,0	10,4
HRPL08G02W		G 1/4"	17,6	8,5	17,5	34,4	21,9	18,0	11,0
HRPL08G03W		G 3/8"	17,6	9,0	17,5	34,9	21,9	22,0	12,8
HRPL10G02W	10	G 1/4"	20,0	8,5	20,1	38,0	25,8	22,0	15,4
HRPL10G03W		G 3/8"	20,0	9,0	20,1	38,5	25,8	22,0	15,8
HRPL10G04W		G 1/2"	20,0	12,5	20,1	42,0	25,8	26,0	19,1
HRPL12G03W	12	G 3/8"	23,0	9,0	24,7	43,7	31,7	26,0	23,2
HRPL12G04W		G 1/2"	23,0	12,5	24,7	47,2	31,7	26,0	25,2

HRPT-R

Swivel male tee BSPT thread





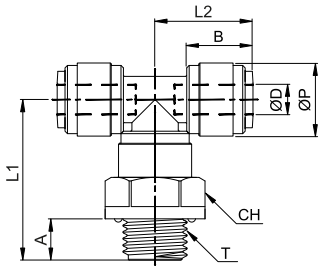
CODE	ØD	T	ØP	A	B	L1	L2	CH	g
HRPT04R01W	4	R 1/8"	13,2	9,1	14,7	29,7	17,9	15,0	7,8
HRPT04R02W		R 1/4"	13,2	13,1	14,7	33,7	17,9	17,0	9,2
HRPT06R01W	6	R 1/8"	15,0	9,1	16,1	31,7	20,1	17,0	9,3
HRPT06R02W		R 1/4"	15,0	13,1	16,1	35,7	20,1	17,0	10,3
HRPT08R01W	8	R 1/8"	17,6	9,1	17,5	33,4	21,9	19,0	13,1
HRPT08R02W		R 1/4"	17,6	13,1	17,5	37,4	21,9	19,0	14,0
HRPT08R03W		R 3/8"	17,6	13,5	17,5	37,8	21,9	19,0	14,6
HRPT10R02W	10	R 1/4"	20,0	13,1	20,1	41,4	25,8	21,0	19,5
HRPT10R03W		R 3/8"	20,0	13,5	20,1	41,8	25,8	21,0	19,6
HRPT10R04W		R 1/2"	20,0	16,5	20,1	44,8	25,8	21,0	23,9
HRPT12R03W	12	R 3/8"	23,0	13,5	24,7	42,8	31,7	24,0	30,2
HRPT12R04W		R 1/2"	23,0	16,5	24,7	51,2	31,7	24,0	32,7

drawings and technical data are not binding & can be changed without notice

HRPT-G

Swivel male tee BSPP thread



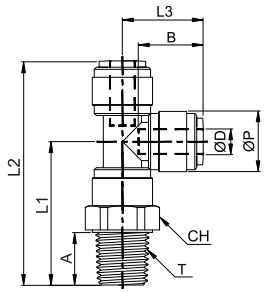


CODE	ØD	T	ØP	A	B	L1	L2	CH	g
HRPT04G01W	4	G 1/8"	13,2	6,0	14,7	28,5	17,9	15	7,9
HRPT04G02W		G 1/4"	13,2	8,5	14,7	31,0	17,9	18	9,6
HRPT06G01W	6	G 1/8"	15,0	6,0	16,1	30,5	20,1	17	10,0
HRPT06G02W		G 1/4"	15,0	8,5	16,1	33,0	20,1	18	11,0
HRPT08G01W	8	G 1/8"	17,6	6,0	17,5	31,9	21,9	18	13,4
HRPT08G02W		G 1/4"	17,6	8,5	17,5	34,4	21,9	18	14,0
HRPT08G03W		G 3/8"	17,6	9,0	17,5	34,9	21,9	22	15,8
HRPT10G02W	10	G 1/4"	20,0	8,5	20,1	38,0	25,8	22	19,8
HRPT10G03W		G 3/8"	20,0	9,0	20,1	38,5	25,8	22	20,2
HRPT10G04W		G 1/2"	20,0	12,5	20,1	42,0	25,8	26	23,5
HRPT12G03W	12	G 3/8"	23,0	9,0	24,7	43,7	31,7	26	30,0
HRPT12G04W		G 1/2"	23,0	12,5	24,7	47,2	31,7	26	32,0

HRST-R

Swivel male lateral tee BSPT thread



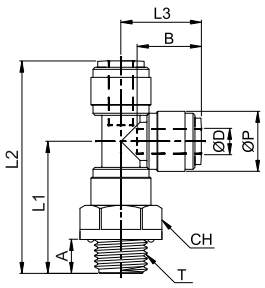


CODE	ØD	T	ØP	A	B	L1	L2	L3	CH	g
HRST04R01W	4	R 1/8"	13,2	9,1	14,7	29,7	47,6	17,9	15	7,8
HRST04R02W		R 1/4"	13,2	13,1	14,7	33,7	51,6	17,9	17	9,2
HRST06R01W	6	R 1/8"	15,0	9,1	16,1	31,7	51,8	20,1	17	9,3
HRST06R02W		R 1/4"	15,0	13,1	16,1	35,7	55,8	20,1	17	10,3
HRST08R01W	8	R 1/8"	17,6	9,1	17,5	33,4	55,3	21,9	19	13,1
HRST08R02W		R 1/4"	17,6	13,1	17,5	37,4	59,3	21,9	19	14,0
HRST08R03W		R 3/8"	17,6	13,5	17,5	37,8	59,7	21,9	19	14,6
HRST10R02W	10	R 1/4"	20,0	13,1	20,1	41,4	67,2	25,8	21	19,5
HRST10R03W		R 3/8"	20,0	13,5	20,1	41,8	67,6	25,8	21	19,6
HRST10R04W		R 1/2"	20,0	16,5	20,1	44,8	70,6	25,8	24	23,9
HRST12R03W	12	R 3/8"	23,0	13,5	24,7	48,2	79,9	31,7	24	30,2
HRST12R04W		R 1/2"	23,0	16,5	24,7	51,2	82,9	31,7	24	32,7

HRST-G

Swivel male lateral tee BSPP thread





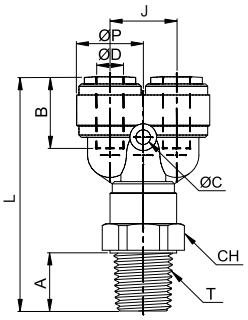
CODE	ØD	T	ØP	A	B	L1	L2	L3	CH	g
HRST04G01W	4	G 1/8"	13,2	6,0	14,7	28,5	46,4	17,9	15,0	7,9
HRST04G02W		G 1/4"	13,2	8,5	14,7	31,0	48,9	17,9	18,0	9,6
HRST06G01W	6	G 1/8"	15,0	6,0	16,1	30,5	50,6	20,1	17,0	10,0
HRST06G02W		G 1/4"	15,0	8,5	16,1	33,0	53,1	20,1	18,0	11,0
HRST08G01W	8	G 1/8"	17,6	6,0	17,5	31,9	53,8	21,9	18,0	13,4
HRST08G02W		G 1/4"	17,6	8,5	17,5	34,4	56,3	21,9	18,0	14,0
HRST08G03W		G 3/8"	17,6	9,0	17,5	34,9	56,8	21,9	22,0	15,8
HRST10G02W	10	G 1/4"	20,0	8,5	20,1	38,0	63,8	25,8	22,0	19,8
HRST10G03W		G 3/8"	20,0	9,0	20,1	38,5	64,3	25,8	22,0	20,2
HRST10G04W		G 1/2"	20,0	12,5	20,1	42,0	67,8	25,8	26,0	23,5
HRST12G03W	12	G 3/8"	23,0	9,0	24,7	43,7	75,4	31,7	26,0	30,0
HRST12G04W		G 1/2"	23,0	12,5	24,7	47,2	78,9	31,7	26,0	32,0

drawings and technical data are not binding & can be changed without notice

HRWT-R

Swivel male Y BSPT thread



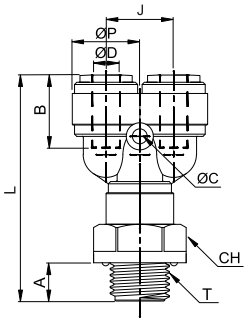


CODE	ØD	T	ØP	ØC	A	B	J	L	CH	g
HRWT04R01W	4	R 1/8"	13,8	3,3	9,1	14,7	13,5	45,5	15,0	8,7
HRWT04R02W		R 1/4"	13,8	3,3	13,1	14,7	13,5	49,5	17,0	10,1
HRWT06R01W	6	R 1/8"	15,5	3,3	9,1	16,1	15,5	50,4	17,0	11,6
HRWT06R02W		R 1/4"	15,5	3,3	13,1	16,1	15,5	54,4	17,0	12,5
HRWT08R01W	8	R 1/8"	17,6	4,5	9,1	17,5	17,6	52,5	19,0	14,0
HRWT08R02W		R 1/4"	17,6	4,5	13,1	17,5	17,6	56,5	19,0	14,9
HRWT08R03W		R 3/8"	17,6	4,5	13,5	17,5	17,6	56,9	19,0	15,5
HRWT10R02W	10	R 1/4"	20,0	4,5	13,1	20,1	20,0	61,8	21,0	20,9
HRWT10R03W		R 3/8"	20,0	4,5	13,5	20,1	20,0	62,2	21,0	21,0
HRWT10R04W		R 1/2"	20,0	4,5	16,5	20,1	20,0	65,2	24,0	25,3
HRWT12R03W	12	R 3/8"	23,0	4,5	13,5	24,7	23,0	72,9	24,0	33,3
HRWT12R04W		R 1/2"	23,0	4,5	16,5	24,7	23,0	75,9	24,0	35,8

HRWT-G

Swivel male Y BSPP thread



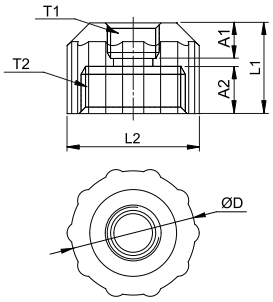


CODE	ØD	T	ØP	ØC	A	B	J	L	CH	g
HRWT04G01W	4	G 1/8"	13,8	3,3	6,0	14,7	13,5	44,3	15,0	8,8
HRWT04G02W		G 1/4"	13,8	3,3	8,5	14,7	13,5	46,8	18,0	10,5
HRWT06G01W	6	G 1/8"	15,5	3,3	6,0	16,1	15,5	49,2	17,0	11,9
HRWT06G02W		G 1/4"	15,5	3,3	8,5	16,1	15,5	51,7	18,0	12,9
HRWT08G01W	8	G 1/8"	17,6	4,5	6,0	17,5	17,6	51,0	18,0	13,9
HRWT08G02W		G 1/4"	17,6	4,5	8,5	17,5	17,6	53,5	18,0	15,1
HRWT08G03W		G 3/8"	17,6	4,5	9,0	17,5	17,6	54,0	22,0	16,8
HRWT10G02W	10	G 1/4"	20,0	4,5	8,5	20,1	20,0	58,4	22,0	21,2
HRWT10G03W		G 3/8"	20,0	4,5	9,0	20,1	20,0	58,9	22,0	21,6
HRWT10G04W		G 1/2"	20,0	4,5	12,5	20,1	20,0	62,4	26,0	24,9
HRWT12G03W	12	G 3/8"	23,0	4,5	9,0	24,7	23,0	68,4	26,0	33,1
HRWT12G04W		G 1/2"	23,0	4,5	12,5	24,7	23,0	71,9	26,0	35,1

HUFF

Threaded reducer BSPP with internal flat seal



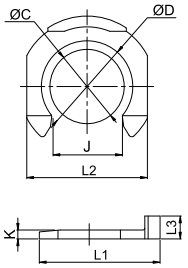


CODE	T1	T2	ØD	A1	A2	L1	L2	g
HUFFG02-G06G	G 1/4"	G 3/4"	31,5	9,5	12,0	23,0	33,5	15,6
HUFFG03-G06G	G 3/8"	G 3/4"	31,5	9,5	12,0	23,0	33,5	14,5

HCP

Locking clip





CODE	ØD	ØC	J	K	L1	L2	L3	g
HCP04-5/32	04 - 5/32	6,2	4,3	1,1	11,0	10,2	2,8	0,09
HCP05-3/16	05 - 3/16	6,2	4,3	1,1	11,0	10,2	2,8	0,09
HCP06-1/4	06 - 1/4	8,0	6,4	1,3	11,6	11,6	3,1	0,12
HCP08-5/16	08 - 5/16	9,6	7,3	1,4	13,9	13,5	3,3	0,16
HCP10-3/8	10 - 3/8	11,8	9,2	1,4	16,4	16,0	3,4	0,23
HCP12-1/2	12 - 1/2	14,4	11,1	1,4	19,0	19,0	3,6	0,30

ØD	BLACK	GREY	RED	BLUE
04 - 5/32	HCP04-5/32BK	HCP04-5/32GR	HCP04-5/32RD	HCP04-5/32BL
05 - 3/16	HCP05-3/16BK	HCP05-3/16GR	HCP05-3/16RD	HCP05-3/16BL
06 - 1/4	HCP06-1/4BK	HCP06-1/4GR	HCP06-1/4RD	HCP06-1/4BL
08 - 5/16	HCP08-5/16BK	HCP08-5/16GR	HCP08-5/16RD	HCP08-5/16BL
10 - 3/8	HCP10-3/8BK	HCP10-3/8GR	HCP10-3/8RD	HCP10-3/8BL
12 - 1/2	HCP12-1/2BK	HCP12-1/2GR	HCP12-1/2RD	HCP12-1/2BL

drawings and technical data are not binding & can be changed without notice



PUSH-IN FITTINGS XVR SERIES

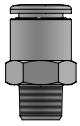
PLUS

Suitable for **USE IN AGGRESSIVE ENVIRONMENTS** and **IN CRITICAL CONDITIONS**

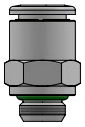
Suitable for **PERMANENT FOOD CONTACT APPLICATIONS**

OPTIMIZED DESIGN WITH COMPACT DIMENSIONS

PRODUCTS CAN BE TAILOR-MADE TO SPECIFIC CUSTOMER NEEDS



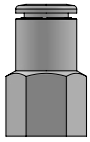
p. 103 / **XVRC-R**



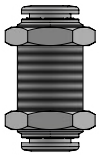
p. 103 / **XVRC-G**



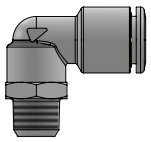
p. 103 / **XVROC-G**



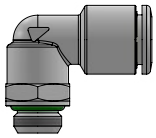
p. 104 / **XVRCF-G**



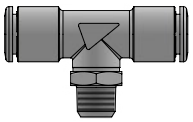
p. 104 / **XVRMM**



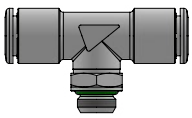
p. 104 / **XVRL-R**



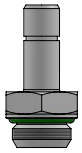
p. 105 / **XVRL-G**



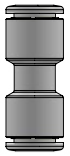
p. 105 / **XVRT-R**



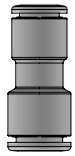
p. 105 / **XVRT-G**



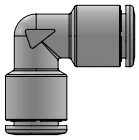
p. 106 / **XVRA-G**



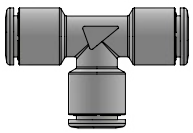
p. 106 / **XVRUC**



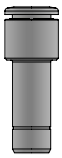
p. 106 / **XVRG**



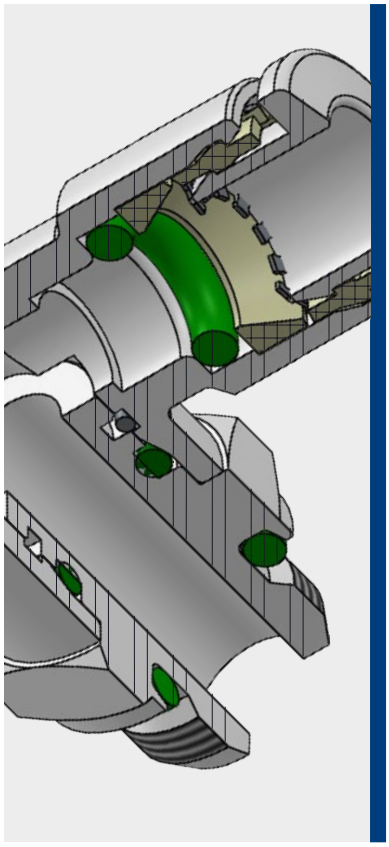
p. 107 / **XVRUL**



p. 107 / **XVRUT**



p. 107 / **XVRGJ**



-20°C ÷ 150°C

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air, vacuum, water and fluids suitable with the construction materials

- Taper gas BSPT ISO 7
  from R1/8" to R1/2"
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5 and M7

Polyamide PA, polyethylene PE, FEP, PTFE and stainless steel tube with groove (see the table)

Body: Stainless steel AISI 316L
Collet: Stainless steel AISI 316L
Back ring: PVDF-UHM FDA compliant
O-ring: FKM NSF/ANSI 61 certified and FDA compliant
Seal: FKM NSF/ANSI 61 certified and FDA compliant
Lock claw: Stainless steel AISI 301
Collar: PVDF-UHM FDA compliant
Retaining ring for swivel system: Stainless steel AISI 302

NSF/ANSI 169

Food contact materials
EC 1935/2004

D.M. 174/2004

ICIM certified product
food contact materials

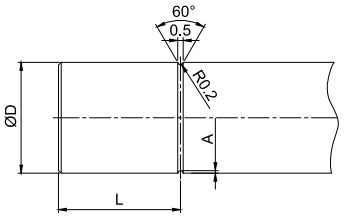
ICIM certified product
water contact materials

SILICONE FREE

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

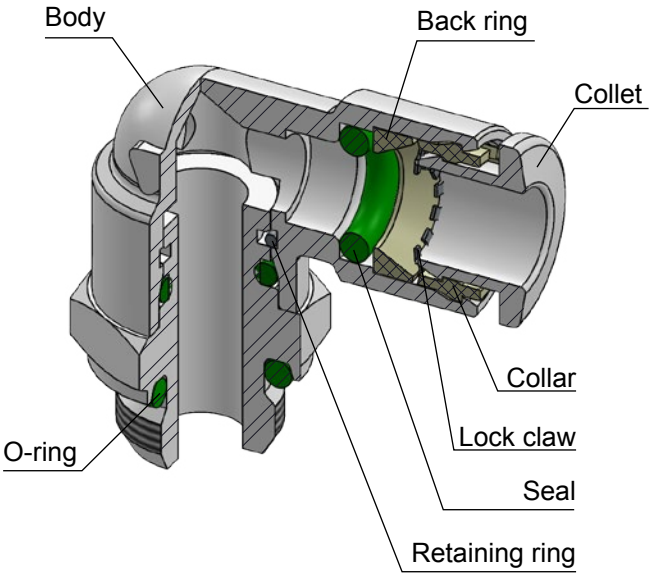
PIPE GROOVE - HARD METALLIC TUBE



When using metallic tubes, please deburr the tubes ends to avoid potential cutting or other damages to the O-ring.

ØD (mm)	L (mm)	A (mm)
4	7,6	0,23
6	8,0	0,23
8	9,0	0,23
10	11,0	0,23
12	12,7	0,23

CONSTRUCTION DETAILS

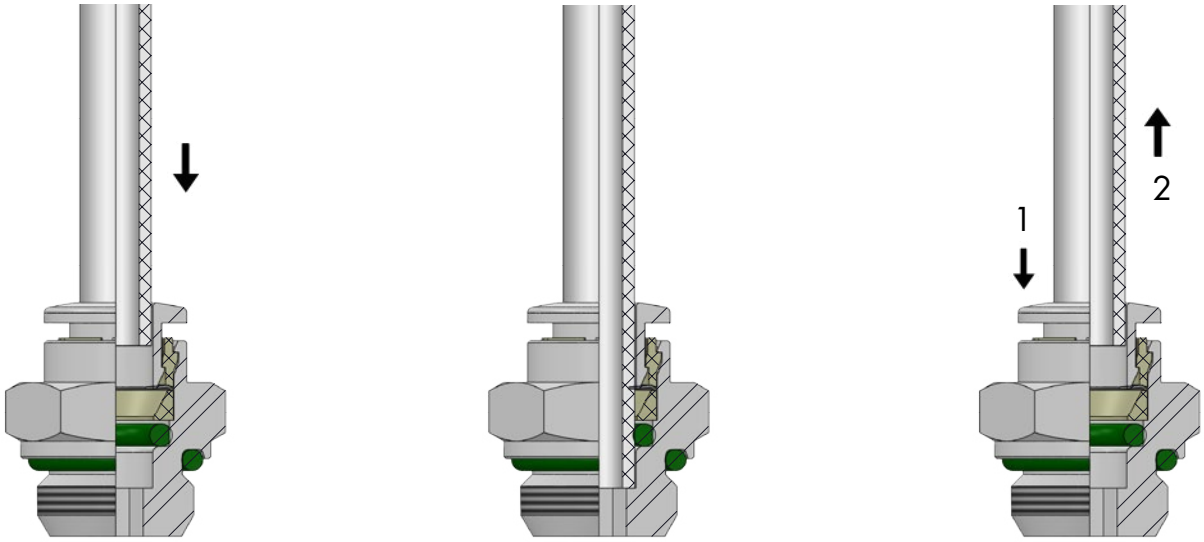


INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

DISCONNECTION OF THE TUBE FROM THE FITTING

- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand (1) and pull the tube away from the fitting with the other hand (2).
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.



TOLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15

INSERTION DEPTH - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TUBE INSERTION LENGHT (mm)	14	15,5	17,5	19	21

TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	10-12	14-16	16-18	18-20

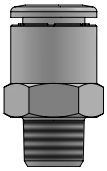
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

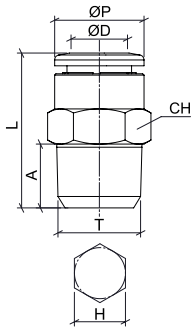
THREAD	M5x0,8	M7x1	1/8"	1/4"	3/8"	1/2"
Nm	1 ± 20%	3 ± 20%	6 ± 20%	7,5 ± 20%	9 ± 20%	9 ± 20%

drawings and technical data are not binding & can be changed without notice

XVRC-R

Male connector BSPT thread

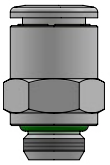


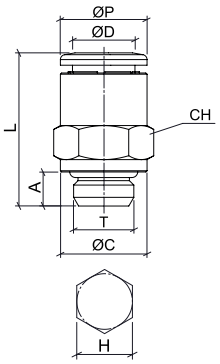


CODE	ØD	T	ØP	A	L	CH	H
XVRC04R01	4	R 1/8"	10	8	18,5	10	3
XVRC04R02		R 1/4"	10	10	20	14	3
XVRC06R01	6	R 1/8"	12	8	21	12	4
XVRC06R02		R 1/4"	12	10	20,5	14	4
XVRC08R01	8	R 1/8"	14	8	26	14	5
XVRC08R02		R 1/4"	14	10	24	14	6
XVRC08R03		R 3/8"	14	11	22	17	6
XVRC10R02	10	R 1/4"	16	10	31	16	7
XVRC10R03		R 3/8"	16	11	26	17	8
XVRC12R02	12	R 1/4"	19	10	33	19	7
XVRC12R03		R 3/8"	19	11	29,5	19	10
XVRC12R04		R 1/2"	19	14	27	22	10

XVRC-G

Male connector BSPP & metric thread



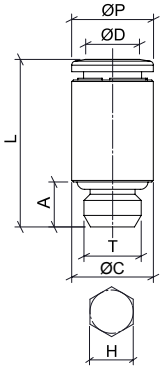


CODE	ØD	T	ØP	ØC	A	L	CH	H
XVRC04M5	4	M5x0,8	10	7	4	19	10	2,5
XVRC04G01		G 1/8"	10	13	5,5	18	13	3
XVRC04G02		G 1/4"	10	16	6,5	18	16	3
XVRC06M5	6	M5x0,8	12	7	5	21	12	2,5
XVRC06G01		G 1/8"	12	13	5,5	19,5	13	4
XVRC06G02		G 1/4"	12	16	6,5	19,5	16	4
XVRC08G01	8	G 1/8"	14	14	5,5	24,5	14	5
XVRC08G02		G 1/4"	14	16	6,5	21,5	16	6
XVRC08G03		G 3/8"	14	20	7,5	21,5	20	6
XVRC10G02	10	G 1/4"	16	16	6,5	27,5	16	7
XVRC10G03		G 3/8"	16	20	7,5	25	20	8
XVRC12G02	12	G 1/4"	19	16	6,5	30	19	7
XVRC12G03		G 3/8"	19	22	7,5	29,5	22	10
XVRC12G04		G 1/2"	19	25	9	28	25	10

XVROC-G

Male connector round body BSPP & metric thread



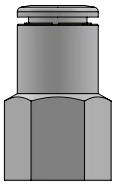


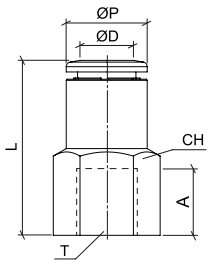
CODE	ØD	T	ØP	ØC	A	L	H
XVROC04M5	4	M5x0,8	10	10	4	19	2,5
XVROC04M7		M7x1	10	10	5,5	20,5	2,5
* XVROC06M7C	6	M7x1	10	10	5,5	20,5	4
XVROC06G01		G 1/8"	12	14	5,5	19,5	4
XVROC08G01	8	G 1/8"	14	14	5,5	24,5	5

* compact version

XVRCF-G

Female connector BSPP thread

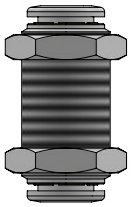


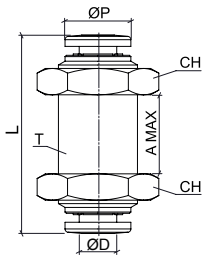


CODE	ØD	T	ØP	A	L	CH
XVRCF04G01	4	G 1/8"	10	7,5	24,5	13
XVRCF06G01	6	G 1/8"	12	7,5	27	13
XVRCF08G02	8	G 1/4"	14	11	30	16

XVRMM

Bulkhead connector

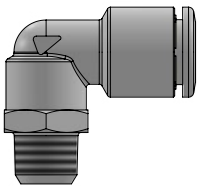


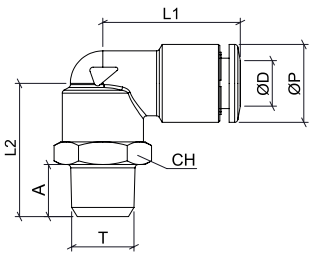


CODE	ØD	T	ØP	A (MAX)	L	CH
XVRMM04	4	M12x1	10	12	30	16
XVRMM06	6	M14x1	12	15	35,5	17
XVRMM08	8	M16x1	14	16	36,5	19
XVRMM10	10	M20x1	16	19	43	24
XVRMM12	12	M22x1,5	19	20	44	25

XVRL-R

Swivel male elbow BSPT thread



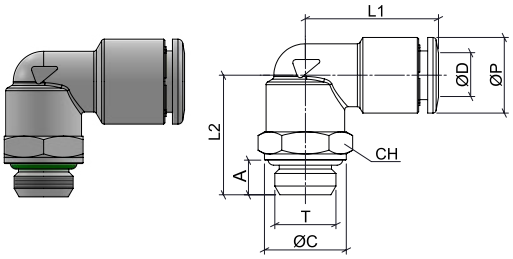


CODE	ØD	T	ØP	A	L1	L2	CH
XVRL04R01	4	R 1/8"	10	8	19,5	20,5	13
XVRL04R02		R 1/4"	10	10	19,5	23	14
XVRL06R01	6	R 1/8"	12	8	21	20,5	13
XVRL06R02		R 1/4"	12	10	21	23	14
XVRL08R01	8	R 1/8"	14	8	23	20,5	14
XVRL08R02		R 1/4"	14	10	23	23	14
XVRL08R03		R 3/8"	14	11	23	24,5	17
XVRL10R02	10	R 1/4"	16	10	26	25,5	16
XVRL10R03		R 3/8"	16	11	26	27	17
XVRL12R02	12	R 1/4"	19	10	31	28	20
XVRL12R03		R 3/8"	19	11	31	28,5	20
XVRL12R04		R 1/2"	19	14	31	31,5	22

drawings and technical data are not binding & can be changed without notice

XVRL-G

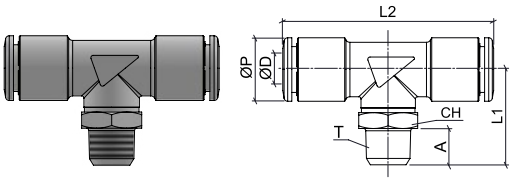
Swivel male elbow BSPP & metric thread



CODE	ØD	T	ØP	ØC	A	L1	L2	CH
XVRL04M5	4	M5x0,8	10	7	4	18	16,5	8
XVRL04G01		G 1/8"	10	13	5,5	19,5	19	13
XVRL04G02		G 1/4"	10	16	6,5	19,5	21,5	13
XVRL06M5	6	M5x0,8	12	7	4	21	16,5	8
XVRL06G01		G 1/8"	12	13	5,5	21	19	13
XVRL06G02		G 1/4"	12	16	6,5	21	21	16
XVRL08G01	8	G 1/8"	14	13	5,5	23	19	13
XVRL08G02		G 1/4"	14	16	6,5	23	21	16
XVRL08G03		G 3/8"	14	20	7,5	23	23	20
XVRL10G02	10	G 1/4"	16	16	6,5	26	23	16
XVRL10G03		G 3/8"	16	20	7,5	26	26	20
XVRL12G02	12	G 1/4"	19	16	6,5	31	25,5	20
XVRL12G03		G 3/8"	19	20	7,5	31	29	20
XVRL12G04		G 1/2"	19	25	9	31	29	25

XVRT-R

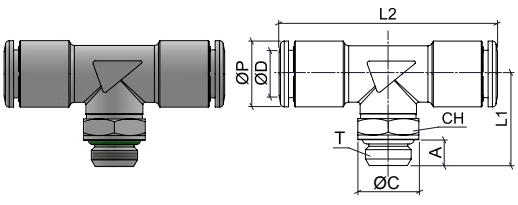
Swivel male tee BSPT thread



CODE	ØD	T	ØP	A	L1	L2	CH
XVRT04R01	4	R 1/8"	10	8	21	39	13
XVRT06R01	6	R 1/8"	12	8	21	42	13
XVRT06R02		R 1/4"	12	10	23,5	42	14
XVRT08R01	8	R 1/8"	14	8	21	46,5	13
XVRT08R02		R 1/4"	14	10	23,5	46,5	14

XVRT-G

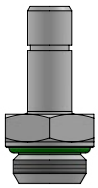
Swivel male tee BSPP & metric thread

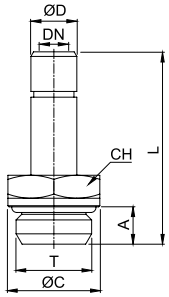


CODE	ØD	T	ØP	ØC	A	L1	L2	CH
XVRT04M5	4	M5x0,8	10	7	4	17	32	8
XVRT04G01		G 1/8"	10	13	5,5	19,5	39	13
XVRT06M5	6	M5x0,8	12	7	4	17	40	8
XVRT06G01		G 1/8"	12	13	5,5	19,5	42	13
XVRT06G02		G 1/4"	12	16	6,5	22	42	16
XVRT08G01	8	G 1/8"	14	13	5,5	19,5	46,5	13
XVRT08G02		G 1/4"	14	16	6,5	22	46,5	16
XVRT10G02	10	G 1/4"	16	16	6,5	23	52	16
XVRT10G03		G 3/8"	16	20	7,5	26	52	20
XVRT12G03	12	G 3/8"	19	20	7,5	26,5	62	20
XVRT12G04		G 1/2"	19	25	9	29	62	25

XVRA-G

Stem adapter BSPP thread

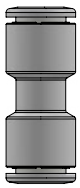


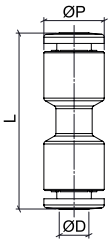


CODE	ØD	T	ØC	A	L	DN	CH
XVRA04G01	4	G 1/8"	13	5,5	27,0	2	13
XVRA06G01	6	G 1/8"	13	5,5	28,0	4	13
XVRA06G02		G 1/4"	16	6,5	30,5	4	16
XVRA08G01	8	G 1/8"	13	5,5	29,5	6	13
XVRA08G02		G 1/4"	16	6,5	32,0	6	16
XVRA10G02	10	G 1/4"	16	6,5	36,5	8	16
XVRA12G03	12	G 3/8"	20	7,5	38,5	10	20

XVRUC

Union connector

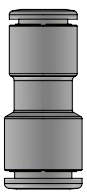


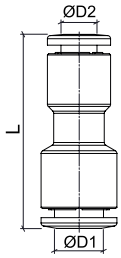


CODE	ØD	ØP	L
XVRUC04	4	10	29
XVRUC06	6	12	32
XVRUC08	8	14	35,5
XVRUC10	10	16	39,5
XVRUC12	12	19	44

XVRG

Reduced union connector

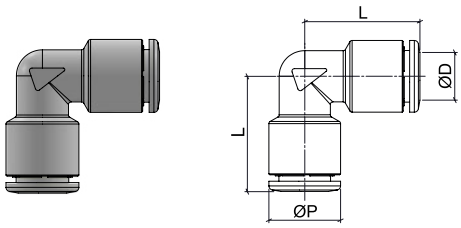




CODE	ØD1	ØD2	L
XVRG0604	6	4	30,5
XVRG0806	8	6	34
XVRG1008	10	8	37
XVRG1210	12	10	41,5

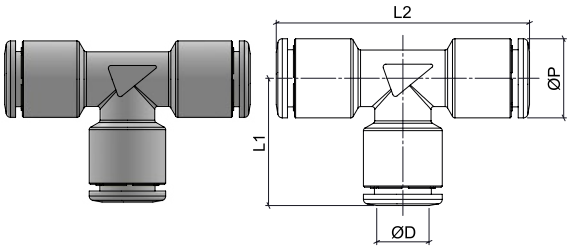
drawings and technical data are not binding & can be changed without notice

XVRUL — Union elbow



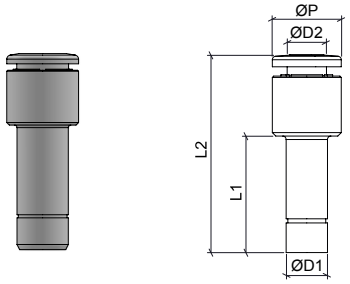
CODE	ØD	ØP	L
XVRUL04	4	10	16,5
XVRUL06	6	12	20,5
XVRUL08	8	14	22,5
XVRUL10	10	16	25
XVRUL12	12	19	29

XVRUT — Union tee



CODE	ØD	ØP	L1	L2
XVRUT04	4	10	16,5	33
XVRUT06	6	12	20,5	41
XVRUT08	8	14	22,5	45
XVRUT10	10	16	25	50,5
XVRUT12	12	19	29	58

XVRGJ — Stem reduction



CODE	ØD1	ØD2	ØP	L1	L2
XVRGJ0604	6	4	10	17	28,5
XVRGJ0806	8	6	12	19,5	32,5
XVRGJ1006	10	6	10	24	37
XVRGJ1008	10	8	14	24	38



PUSH-IN FITTINGS
CDC
PNEUMATICS
CARTRIDGES

PLUS

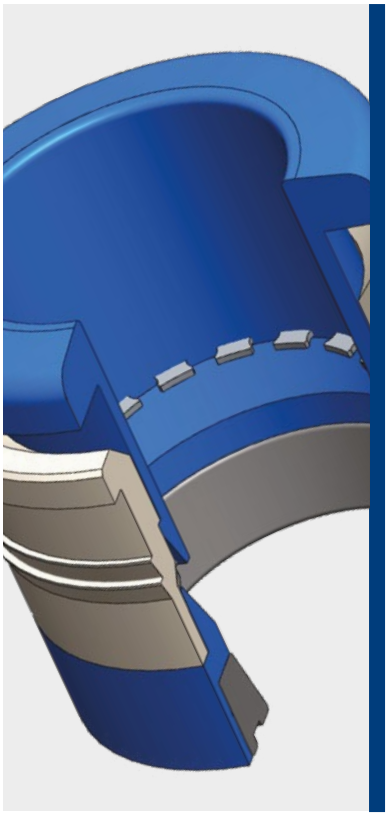
Savings in assembly time thanks to the **DEDICATED SLOT**

IMMEDIATE CONNECTION TO THE TUBE

FULL PASSAGE



p. 112 / **CAS**



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Compressed air & Vacuum
(do not use with water)

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Collet: POM
Collar: Nickel-plated brass
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR

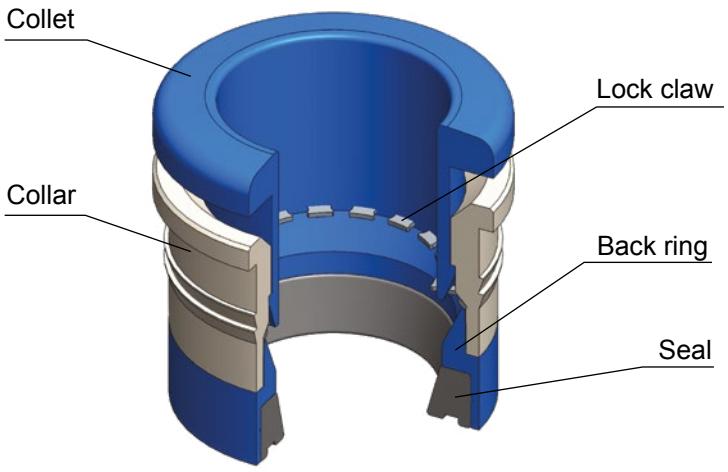
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

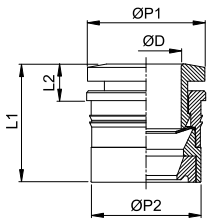
CONSTRUCTION DETAILS



CAS

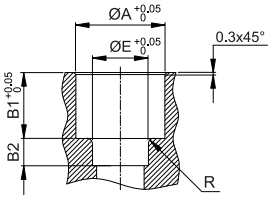
Cartridge





CODE	ØD	ØP1	ØP2	L1	L2	g
CAS04N	4	10	9	11,25	3,55	1,0
CAS06N	6	12	11,15	12,45	3,95	3,0
CAS08N	8	14	13,25	13,9	4,3	4,0
CAS10N	10	16	15,5	15,15	4,85	5,0
CAS12N	12	19	17,8	17,4	5	7,0

Sizes to produce cartridge seat



CODE	ØA	ØE	B1	B2	R
CAS04N	8,8	4,25	7,8	3,0	0,8
CAS06N	10,9	6,25	8,6	3,5	0,8
CAS08N	13	8,25	9,7	4,0	0,8
CAS10N	15,2	10,25	10,45	4,5	1,0
CAS12N	17,5	12,25	12,5	5,0	1,0

PUSH-IN FITTINGS Fluidfit CARTRIDGE

W270 KTW

PLUS

Time saving assembly process thanks to the **DEDICATED SLOT**

IMMEDIATE CONNECTION TO THE TUBE

FULL PASSAGE

SUITABLE WITH ALL COMPATIBLE FLUIDS



p. 116 / **HCAS-P**



p. 116 / **HCAS-H**



p. 116 / **HCAS-F**



Dry air: -20°C ÷ 98°C
Ari & Fluids: 1°C ÷ 98°C

Working pressure:
20 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Water, beverages, vacuum, compressed air, gases & liquids suitable with construction materials

Polyethylene, polyamide, polyurethane, PTFE, FEP

Body: Brass (HCAS-H e HCAS-F) and POM (HCAS-P)
Collet: POM
Lock claw: POM
Seal: EPDM suitable for food contact

Food contact materials EC 1935/2004

D.M. 174/2004

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS

NSF51
NSF61

DVGW - W270

KTW guidelines for cold water at 23°C

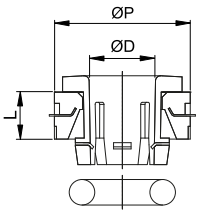
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

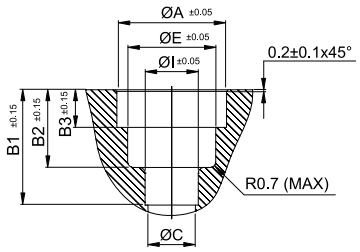
HCAS-P

Acetal resin cartridge





CODE	ØD	ØP	L	g
HCAS-P04	4	11,85	5,0	0,8
HCAS-P06	6	13,3	4,6	0,9
HCAS-P08	8	13,7	5,6	1,1
HCAS-P10	10	15,9	6,9	1,4
HCAS-P12	12	19,6	7,9	2,6



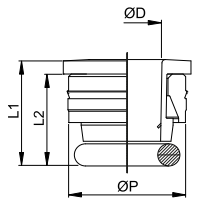
Sizes to produce cartridge seat

CODE	ØA	ØE	ØI	ØC	B1	B2	B3
HCAS-P04	12	8,3	4,15	3,3	12,8	8,9	4,9
HCAS-P06	13,4	10	6,15	5,3	14	9,8	4,6
HCAS-P08	13,8	11,95	8,15	7,4	15	10,15	5,5
HCAS-P10	16	14	10,15	9,2	18,2	11,8	6,9
HCAS-P12	19,75	16,55	12,15	11,2	23,9	15,9	7,75

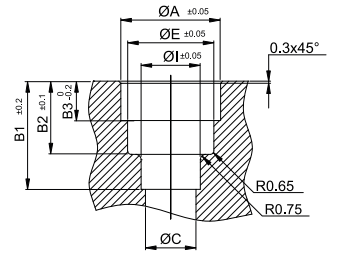
HCAS-H

Brass cartridge HALF BODY





CODE	ØD	ØP	L1	L2	g
HCAS-H04	4	12,7	6,8	5,3	4,2
HCAS-H06	6	13,6	6,6	5,0	3,9
HCAS-H08	8	14	7,4	5,7	3,5
HCAS-H10	10	16,3	8,8	7,0	5,0
HCAS-H12	12	19,35	10,8	8,8	9,0



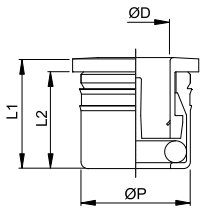
Sizes to produce cartridge seat

CODE	ØA	ØE	ØI	ØC	B1	B2	B3
HCAS-H04	12,5	8,3	4,2	3,3	12,8	8,9	4,9
HCAS-H06	13,4	10	6,2	5	14	9,8	4,6
HCAS-H08	13,8	12	8,2	7	15	10,15	5,46
HCAS-H10	16	14	10,2	9	18,2	11,8	6,86
HCAS-H12	19	16,55	12,2	11	23,5	15,5	8,65

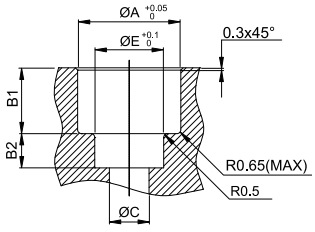
HCAS-F

Brass cartridge FULL BODY





CODE	ØD	ØP	L1	L2	g
HCAS-F04	4	10,2	12,0	10,5	3,8
HCAS-F06	6	11,25	12,6	11,0	3,2
HCAS-F08	8	13,25	13,2	11,5	3,9
HCAS-F10	10	15,25	14,3	12,5	4,7
HCAS-F12	12	17,8	16,9	14,8	7,2

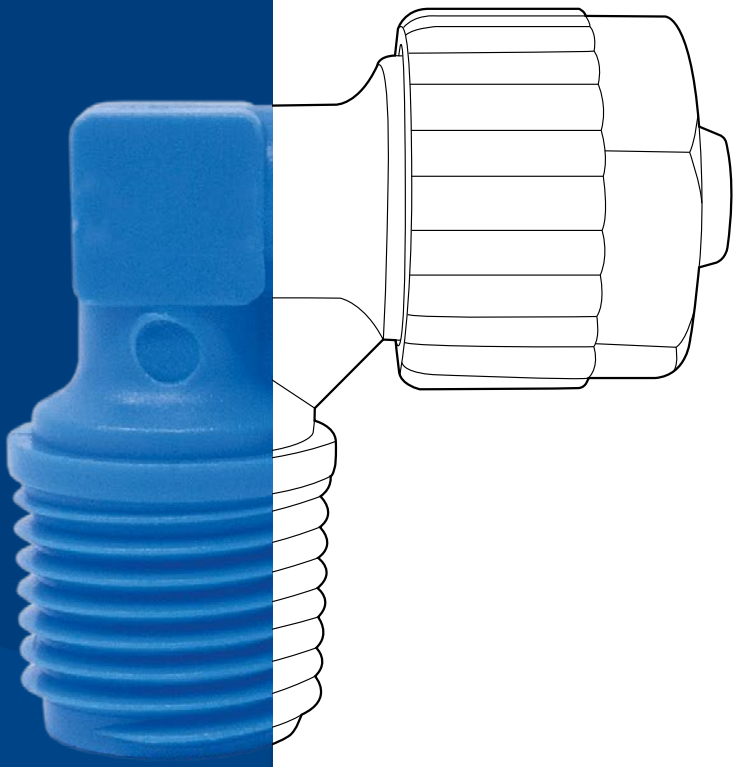


Sizes to produce cartridge seat

CODE	ØA	ØE	ØC	B1	B2
HCAS-F04	10	4,15	3,2	10,3	3,2
HCAS-F06	11	6,15	5,2	10,8	3,7
HCAS-F08	13	8,15	7,2	11,3	4,8
HCAS-F10	15	10,15	9,2	12,2	5,4
HCAS-F12	17,5	12,15	11,2	14,1	7,3

drawings and technical data are not binding & can be changed without notice

PUSH-ON FITTINGS



TECHNICAL INDEX



p. 119

ACETAL RESIN

Materials: Acetal resin
Pressure: 10 Bar
Temperature: from 0°C to 60°C
Range: Ø4 - Ø12 / R1/8" to R1/2"



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BRASS

Materials: Nickel-plated brass
Pressure: 18 Bar
Temperature: from -20°C to 100°C
Range: Ø4 - Ø15 / R1/8" to R1/2"
Ø4 - Ø15 / M5 to G1/2"



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POLYPROPYLENE

Materials: Reinforced polypropylene
Pressure: 14 Bar
Temperature: from 4°C to 90°C
Range: Ø4 - Ø12 / R1/8" to R1/2"



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PVDF

Materials: PVDF & polypropylene (lock nut)
Pressure: 14 Bar
Temperature: from -20°C to 120°C
Range: Ø6 - Ø12 / R1/8" to R1/2"
Ø6 - Ø10 / G1/8" to G1/4"



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STAINLESS STEEL AISI 316L

Materials: Stainless steel AISI 316L
Pressure: 25 Bar
Temperature: from -40°C to 140°C
Range: Ø6 - Ø12 / R1/8" to R1/2"
Ø6 - Ø12 / G1/8" to G1/2"

PUSH-ON FITTINGS ACETAL RESIN

PLUS

EASY TO USE AND GUARANTEES AN EXCELLENT CLAMPING OF TUBE

DESIGNED FOR COMPRESSED AIR AND VACUUM

EXTREMELY LIGHT AND SUITABLE FOR APPLICATIONS IN PNEUMATIC AUTOMATION



p. 122 / **CK**



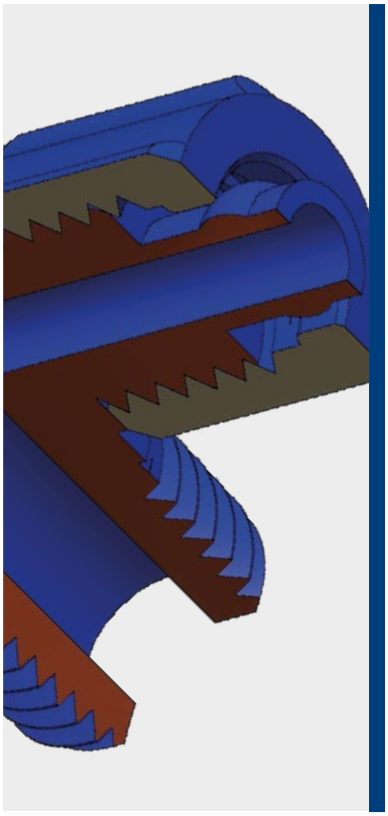
p. 122 / **GCK**



p. 122 / **FCK**



p. 123 / **PUES**



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 99 Kpa)

Compressed air & Vacuum
(do not use in water application)

Taper gas BSPT ISO 7
from R1/8" to R1/2"

Polyurethane

Body: Resina acetalica
Lock nut: Resina acetalica

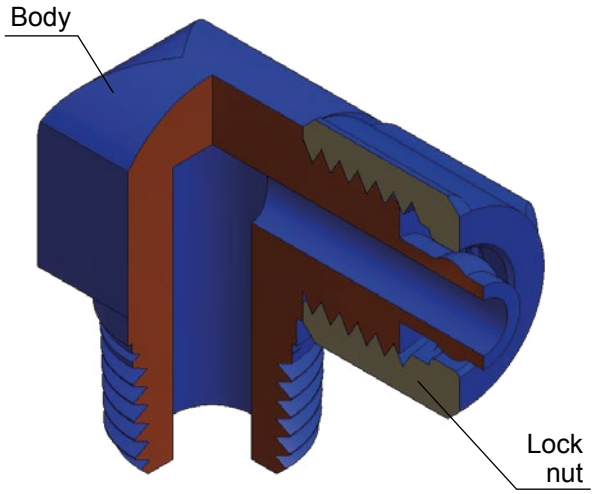
PRECAUTIONS:

- The fittings in this series have a plastic thread and therefore it is recommended that no excessive force is used when screwing them in and that the thread is teflon-coated before use to prevent leakage.
- It is advisable to insert the tube into the stop and tighten the nut well before use.
- Cut the part of the tube attached to the fitting for reuse.
- Not suitable for use with water.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



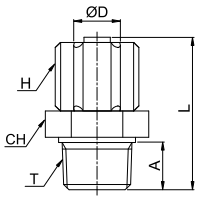
TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	1,5	1,5	3,0	3,0

CK

Male connector BSPT thread



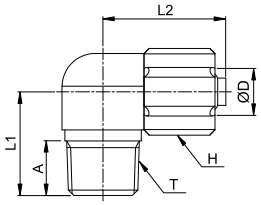


CODE	ØD	T	A	L	H	CH	g
CK04R01	4/2,5	R 1/8"	8	24,5	10	12	2,0
CK06R01	6/4	R 1/8"	7	28,5	12	13	3,0
CK06R02		R 1/4"	9	30,5	12	15	4,0
CK08R01	8/5,5	R 1/8"	9	30,0	14	14	5,0
CK08R02		R 1/4"	9	29,0	14	17	5,0
CK08R03		R 3/8"	10,2	31,7	14	19	6,0
CK10R02	10/6,5	R 1/4"	9,2	33,4	17	17	7,0
CK10R03		R 3/8"	10,2	34,9	17	19	7,0
CK12R02	12/8	R 1/4"	9,2	39,0	19	17	9,0
CK12R03		R 3/8"	10,2	41,2	19	19	9,0
CK12R04		R 1/2"	15	45,0	19	22	13,0

GCK

Male elbow BSPT thread



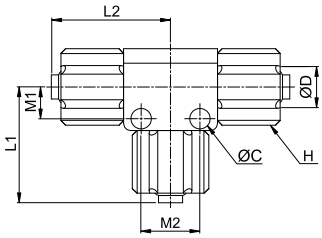


CODE	ØD	T	A	L1	L2	H	g
GCK04R01	4/2,5	R 1/8"	8	21,0	21,0	12	3,0
GCK06R01	6/4	R 1/8"	8,5	24,5	27,0	12	5,0
GCK06R02		R 1/4"	9	25,3	31,0	12	7,0
GCK08R01	8/5,5	R 1/8"	8	24,0	27,0	14	6,0
GCK08R02		R 1/4"	10	26,0	30,0	14	8,0
GCK08R03		R 3/8"	10,2	27,5	32,5	14	10,0
GCK10R02	10/6,5	R 1/4"	12	30,0	32,0	17	10,0
GCK10R03		R 3/8"	12	31,0	37,9	17	12,0
GCK12R02	12/8	R 1/4"	11	32,0	41,5	19	14,0
GCK12R03		R 3/8"	12	34,0	41,5	19	16,0
GCK12R04		R 1/2"	15	39,0	45,0	19	19,0

FCK

Union tee





CODE	ØD	ØC	M1	M2	L1	L2	H	g
FCK0400	4/2,5	2,6	5,6	9,0	22,5	36,0	10	4,0
FCK0600	6/4	4,3	5,7	11,2	31,1	48,3	12	11,0
FCK0800	8/5,5	4,3	6,6	12,2	32,0	49,5	14	14,0
FCK1000	10/6,5	4,3	8,3	13,4	40,0	54,0	17	24,0
FCK1200	12/8	4,3	9,3	13,7	47,7	68,0	19	26,0

PUES

Polyurethane tube on polyester basis



CODE	Ø ODxID	TOLERANCE ØOD	THICKNESS (mm)	MIN. BENDING RADIUS AT 23°C (mm)	WORKING PRESSURE AT 23°C (Bar)	BURSTING PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (m)
PUES0425	4x2,5	±0,1	0,75	12	10	30	13	100
PUES0604	6x4	±0,1	1	15	10	25	25,5	100
PUES0855	8x5,5	±0,1	1,25	20	10	25	37,5	100
PUES1065	10x6,5	±0,15	1,75	25	10	25	65,2	100
PUES1208	12x8	±0,15	2	35	10	25	80,8	100

Sizes ODxID	Light blue	Black	Red	Yellow	Green	Silver	Transparent	Transparent light blue
4X2,5	PUES0425AZ	PUES0425NE	PUES0425RO	PUES0425GL	PUES0425VD	PUES0425SL	PUES0425TR	PUES0425AZTR
6X4	PUES0604AZ	PUES0604NE	PUES0604RO	PUES0604GL	PUES0604VD	PUES0604SL	PUES0604TR	PUES0604AZTR
8X5,5	PUES0855AZ	PUES0855NE	PUES0855RO	PUES0855GL	PUES0855VD	PUES0855SL	PUES0855TR	PUES0855AZTR
10X6,5	PUES1065AZ			PUES1065GL				
12X8	PUES1208AZ	PUES1208NE		PUES1208GL			PUES1208TR	

Full data sheet available on page 691



PUSH-ON FITTINGS BRASS

PLUS

- GREAT GRIPPING SYSTEM WITH THE LOCKING NUT
- SUITABLE FOR USE WITH AIR AND DIFFERENT FLUIDS
- EASY TO USE AND EXTREMELY STRONG
- GREAT MECHANICAL RESISTANCE



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p. 128 / **2502**



p. 129 / **2503**



p. 129 / **2505**



p. 129 / **2506**



p. 130 / **2510**



p. 130 / **2511**



p. 130 / **2512**



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p. 137 / **251V**



p. 137 / **252V**



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p. 138 / **2612**

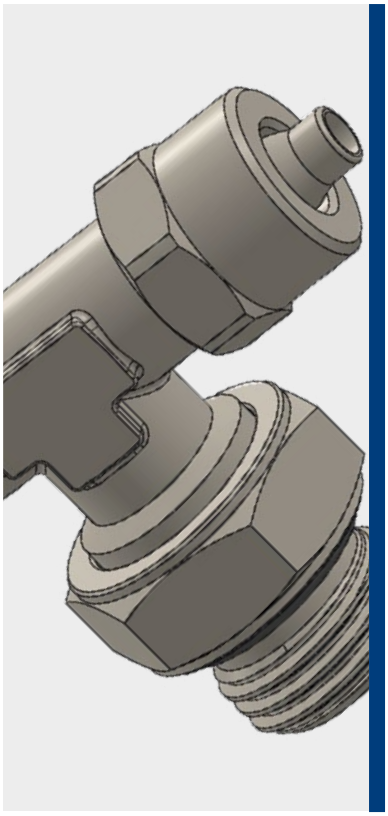
p. 138 / **2615**



p. 138 / **2620**



p. 138 / **2625**



-20°C ÷ 100°C with o-ring in NBR
-15°C ÷ 200°C with o-ring in Viton
The working temperature depends on the features of the tube used.

Working pressure:
18 Bar
The working temperature depends on the features of the tube used.

Compressed air, water, oil and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"
- Metric ISO 262 M5, M6 and M12

Polyurethane, polyethylene, polyamide, PTFE, FEP

Body: Nickel-plated brass
Turning: UNI EN 12164 CW 614N
Hot forging & machining:
UNI EN 12165 CW 617N
Lock nut: Nickel-plated brass
UNI EN 12164 CW 614N
O-ring: NBR 70

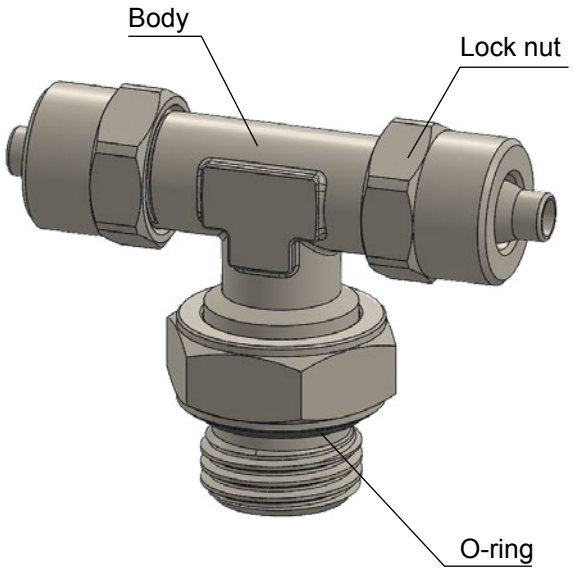
AVAILABILITY:
- Available on request and with a minimum yellow brass quantity
- Available on request with o-ring in viton

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

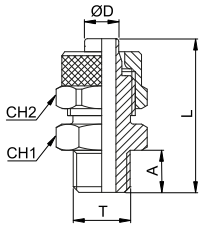
THREAD	1/8"	1/4"	3/8"	1/2"
Nm	8	12	14	16

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	M6x1	1/8"	1/4"	3/8"	1/2"
Nm	0,8	0,8	1,2	1,5	2,5	3,5

2500 Male connector BSPP thread

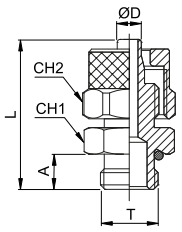




CODE	ØD	T	A	L	CH1	CH2	g
2500TR1853	5/3	G 1/8"	6	23,0	14	8	10,0
2500TR1864	6/4	G 1/8"	6	25,5	14	12	16,0
2500TR1464		G 1/4"	8	28,0	17	12	24,0
2500TR3864		G 3/8"	9	29,0	19	12	28,0
2500TR1886	8/6	G 1/8"	6	25,5	14	14	18,0
2500TR1486		G 1/4"	8	28,0	17	14	26,0
2500TR3886		G 3/8"	9	29,0	19	14	28,0
2500TR18108	10/8	G 1/8"	6	27,5	14	16	24,0
2500TR14108		G 1/4"	8	29,5	17	16	30,0
2500TR38108		G 3/8"	9	30,5	19	16	34,0
2500TR12108		G 1/2"	10	32,0	24	16	44,0
2500TR381210	12/10	G 3/8"	9	32,0	19	18	38,0
2500TR121210		G 1/2"	10	33,5	24	18	48,0
2500TR1215125	15/12,5	G 1/2"	10	33,5	24	22	60,0

2502 Male connector BSPP thread with o-ring

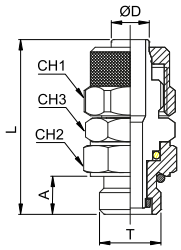




CODE	ØD	T	A	L	CH1	CH2	g
2502TR18427	4/2,7	G 1/8"	6	21,8	13	8	10,0
2502TR1853	5/3	G 1/8"	6	23,0	13	8	11,0
2502TR1864	6/4	G 1/8"	6	25,5	13	12	16,0
2502TR1464		G 1/4"	8	28,0	16	12	21,0
2502TR3864		G 3/8"	9	29,0	19	12	26,0
2502TR1264		G 1/2"	10	30,5	24	12	45,0
2502TR1886	8/6	G 1/8"	6	26,0	14	14	18,0
2502TR1486		G 1/4"	8	28,0	16	14	22,0
2502TR3886		G 3/8"	9	29,0	19	14	31,0
2502TR1286		G 1/2"	10	30,5	24	14	38,0
2502TR18108	10/8	G 1/8"	6	28,0	14	16	24,0
2502TR14108		G 1/4"	8	29,5	16	16	28,0
2502TR38108		G 3/8"	9	30,5	19	16	32,0
2502TR12108		G 1/2"	10	32,0	24	16	51,0
2502TR381210	12/10	G 3/8"	9	32,0	19	18	36,0
2502TR121210		G 1/2"	10	33,5	24	18	46,0
2502TR1215125	15/12,5	G 1/2"	10	35,5	24	22	52,0

2503 Swivel male connector BSPP thread with o-ring



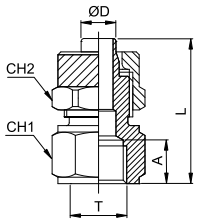


	CODE	ØD	T	A	L	CH1	CH2	CH3	g
	2503TR1864	6/4	G 1/8"	6	36,0	12	13	12	24,0
	2503TR1464		G 1/4"	8	37,5	12	16	14	30,0
*	2503TR1885	8/5	G 1/8"	6	36,0	14	13	12	26,0
*	2503TR1485		G 1/4"	8	37,5	14	16	14	32,0
	2503TR1886	8/6	G 1/8"	6	36,0	14	13	12	26,0
	2503TR1486		G 1/4"	8	37,5	14	16	14	32,0
*	2503TR141065	10/6,5	G 1/4"	8	39,0	16	16	14	38,0
	2503TR14108	10/8	G 1/4"	8	39,0	16	16	14	38,0
*	2503TR38128	12/8	G 3/8"	9	42,0	18	19	17	50,0
	2503TR381210	12/10	G 3/8"	9	42,0	18	19	17	52,0

* Suitable for use with UCES coiled tubes on page 760

2505 Female connector BSPP thread

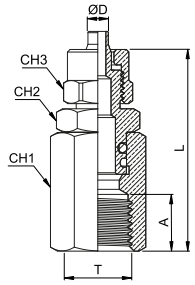




CODE	ØD	T	A	L	CH1	CH2	g
2505TR18427	4/2,7	G 1/8"	8,0	21,3	14	8	11,0
2505TR1853	5/3	G 1/8"	8,0	22,5	14	8	12,0
2505TR1864	6/4	G 1/8"	8,0	25,0	14	12	18,0
2505TR1464		G 1/4"	11,0	29,0	17	12	26,0
2505TR3864		G 3/8"	11,5	29,5	20	12	30,0
2505TR1886	8/6	G 1/8"	8,0	25,0	14	14	20,0
2505TR1486		G 1/4"	11,0	29,0	17	14	28,0
2505TR3886		G 3/8"	11,5	29,5	20	14	32,0
2505TR1286		G 1/2"	14	33,0	24	14	32,0
2505TR18108	10/8	G 1/8"	8,0	26,5	14	16	24,0
2505TR14108		G 1/4"	11,0	30,5	17	16	32,0
2505TR38108		G 3/8"	11,5	31,0	20	16	36,0
2505TR12108		G 1/2"	14,0	34,5	24	16	50,0
2505TR381210	12/10	G 3/8"	11,5	32,5	20	18	40,0

2506 Swivel female connector BSPP thread



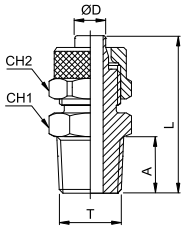


	CODE	ØD	T	A	L	CH1	CH2	CH3	g
	2506TR1464	6/4	G 1/4"	11,0	42,5	16	14	12	-
*	2506TR1485	8/5	G 1/4"	11,0	41,0	16	14	14	-
	2506TR1486	8/6	G 1/4"	11,0	42,5	16	14	14	-
*	2506TR141065	10/6,5	G 1/4"	11,0	44,0	16	14	16	-
	2506TR14108	10/8	G 1/4"	11,0	44,0	16	14	16	-

* Suitable for use with UCES coiled tubes on page 760

2510 Male connector BSPT thread

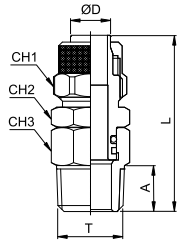




CODE	ØD	T	A	L	CH1	CH2	g
2510TR18427	4/2,7	R 1/8"	8	23,8	12	8	10,0
2510TR1853	5/3	R 1/8"	8,0	25,0	12	8	10,0
2510TR1864	6/4	R 1/8"	8,0	27,5	12	12	16,0
2510TR1464		R 1/4"	11,0	31,0	14	12	20,0
2510TR3864		R 3/8"	11,5	31,5	17	12	26,0
2510TR1886	8/6	R 1/8"	8,0	27,5	12	14	18,0
2510TR1486		R 1/4"	11,0	31,0	14	14	22,0
2510TR3886		R 3/8"	11,5	31,5	17	14	28,0
2510TR1286		R 1/2"	14,0	34,5	22	14	44,0
2510TR18108	10/8	R 1/8"	8,0	29,5	14	16	24,0
2510TR14108		R 1/4"	11,0	32,5	14	16	28,0
2510TR38108		R 3/8"	11,5	33,0	17	16	34,0
2510TR12108		R 1/2"	14,0	36,0	22	16	46,0
2510TR381210	12/10	R 3/8"	11,5	34,5	17	18	38,0
2510TR121210		R 1/2"	14,0	37,5	22	18	50,0
2510TR1215125	15/12,5	R 1/2"	14,0	39,5	22	22	62,0

2511 Swivel male connector BSPT thread



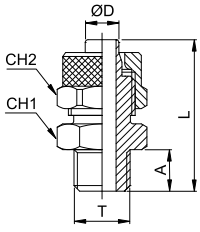


	CODE	ØD	T	A	L	CH1	CH2	CH3	g
	2511TR1864	6/4	G 1/8"	8	37,0	12	12	12	22,0
	2511TR1464		G 1/4"	11	40,0	12	14	14	28,0
*	2511TR1885	8/5	G 1/8"	8	37,0	14	12	12	30,0
*	2511TR1485		G 1/4"	11	40,0	14	14	14	32,0
	2511TR1886	8/6	G 1/8"	8	37,0	14	12	12	26,0
	2511TR1486		G 1/4"	11	40,0	14	14	14	30,0
*	2511TR141065	10/6,5	G 1/4"	11	42,0	16	14	14	34,0
	2511TR14108	10/8	G 1/4"	11	42,0	16	14	14	34,0
*	2511TR38128	12/8	G 3/8"	11,5	44,0	18	17	17	50,0
	2511TR381210	12/10	G 3/8"	11,5	44,0	18	17	17	50,0

* Suitable for use with UCES coiled tubes on page 760

2512 Male connector metric thread

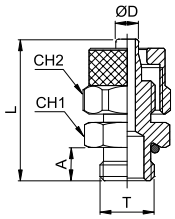




CODE	ØD	T	A	L	CH1	CH2	g
2512TRM553	5/3	M5	4	20,0	8	8	4,0
2512TRM653		M6	5	21,0	8	8	6,0
2512TRM564	6/4	M5	4	21,0	8	9	6,0
2512TRM664		M6	5	22,0	8	9	6,0
2512TRM1212564		M12x1,25	8	28,0	17	12	22,0
2512TRM121564		M12x1,5	8	28,0	17	12	22,0
2512TRM1212586	8/6	M12x1,25	8	28,0	17	14	24,0
2512TRM121586		M12x1,5	8	28,0	17	14	24,0

2513 Male connector metric thread with o-ring

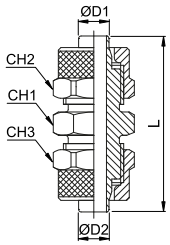




CODE	ØD	T	A	L	CH1	CH2	g
2513TRM5427	4/2,7	M5	4	20,0	8	8	6,0
2513TRM6427		M6	4	20,0	8	8	6,0
2513TRM553	5/3	M5	4	20,5	8	8	6,0
2513TRM653		M6	4	20,5	8	8	6,0
2513TRM564	6/4	M5	4	21,0	8	12	6,0
2513TRM664		M6	4	21,0	8	12	6,0
2513TRM12164		M12x1	8	28,0	15	12	20,0
2513TRM1212564		M12x1,25	8	28,0	15	12	20,0
2513TRM121564		M12x1,5	8	28,0	15	12	20,0
2513TRM1212586	8/6	M12x1,25	8	28,0	17	14	17,0
2513TRM121586		M12x1,5	8	28,0	17	14	17,0

2515 Union connector

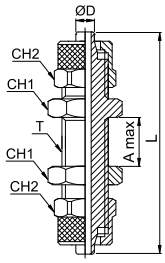




CODE	ØD1	ØD2	L	CH1	CH2	CH3	g
2515TR427	4/2,7	4/2,7	26,0	8	8	8	8,0
2515TR53	5/3	5/3	28,5	8	8	8	8,0
2515TR64	6/4	6/4	34,5	12	12	12	22,0
2515TR86	8/6	8/6	35,0	14	14	14	28,0
2515TR8664		6/4	35,0	14	14	12	26,0
2515TR108	10/8	10/8	38,0	14	16	16	36,0
2515TR1210	12/10	12/10	41,0	17	18	18	48,0
2515TR15125	15/12,5	15/12,5	45,5	22	22	22	78,0

2520 Bulkhead connector

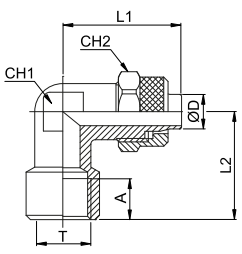




CODE	ØD	T	A MAX	L	CH1	CH2	g
2520TR427	4/2,7	M6x0,5	8,5	36,7	9	8	10,0
2520TR53	5/3	M7x0,75	8,5	40,0	9	8	12,0
2520TR64	6/4	M10x1	10,5	48,0	14	12	34,0
2520TR86	8/6	M12x1	10,5	48,0	16	14	42,0
2520TR108	10/8	M14x1	8,5	50,0	17	16	54,0
2520TR1210	12/10	M16x1	8,5	53,0	19	18	76,0
2520TR15125	15/12,5	M20x1	8,5	58,0	24	22	110,0

2530 Female elbow BSPP thread



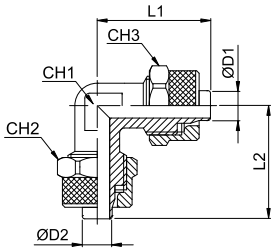


CODE	ØD	T	A	L1	L2	CH1	CH2	g
2530TR1853	5/3	G 1/8"	8,0	21,5	19,0	10	8	16,0
2530TR1864	6/4	G 1/8"	8,0	22,7	19,0	10	12	22,0
2530TR1464		G 1/4"	10,5	24,5	23,0	11	12	36,0
2530TR1886	8/6	G 1/8"	8,0	22,7	19,0	10	14	22,0
2530TR1486		G 1/4"	10,5	25,0	23,0	11	14	32,0
2530TR14108	10/8	G 1/4"	11,0	26,0	23,5	13	16	38,0
2530TR381210	12/10	G 3/8"	11,5	30,5	28,0	17	18	60,0

drawings and technical data are not binding & can be changed without notice

2535 Union elbow connector

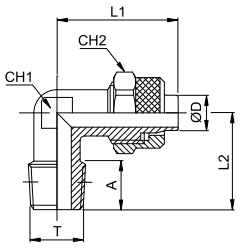




CODE	ØD1	ØD2	L1	L2	CH1	CH2	CH3	g
2535TR427	4/2,7	4/2,7	20,3	20,3	8	8	8	11,0
2535TR53	5/3	5/3	21,5	21,5	8	8	8	12,0
2535TR64	6/4	6/4	21,5	21,5	8	12	12	20,0
2535TR86	8/6	8/6	22,5	22,5	10	14	14	28,0
2535TR8664		6/4	22,5	22,5	10	14	12	26,0
2535TR108	10/8	10/8	25,5	25,5	11	16	16	38,0
2535TR1210	12/10	12/10	30,0	30,0	14	18	18	56,0
2535TR15125	15/12,5	15/12,5	34,0	34,0	17	22	22	88,0

2540 Male elbow BSPT thread

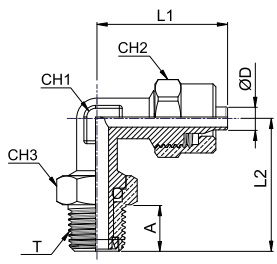




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2540TR18427	4/2,7	R 1/8"	8,0	19,5	17,0	8	8	10,0
2540TR1853	5/3	R 1/8"	8,0	21,5	17,0	8	8	10,0
2540TR1864	6/4	R 1/8"	8,0	22,5	17,0	8	12	16,0
2540TR1464		R 1/4"	11,0	22,5	20,0	10	12	22,0
2540TR3864		R 3/8"	11,5	23,5	22,5	11	12	30,0
2540TR1886	8/6	R 1/8"	8,0	22,5	17,0	10	14	20,0
2540TR1486		R 1/4"	11,0	22,5	20,0	10	14	24,0
2540TR3886		R 3/8"	11,5	24,0	22,5	11	14	32,0
2540TR1286		R 1/2"	14	26,5	28,0	17	14	37,0
2540TR18108	10/8	R 1/8"	8,0	25,5	18,5	11	16	28,0
2540TR14108		R 1/4"	11,0	25,5	21,5	11	16	32,0
2540TR38108		R 3/8"	11,5	25,5	22,5	11	16	34,0
2540TR12108		R 1/2"	14,0	28,0	28,0	17	16	56,0
2540TR141210	12/10	R 1/4"	11,0	30,0	24,0	14	18	42,0
2540TR381210		R 3/8"	11,5	30,0	24,5	14	18	48,0
2540TR121210		R 1/2"	14,0	30,5	28,0	17	18	60,0
2540TR1215125	15/12,5	R 1/2"	14,0	34,0	28,0	17	22	70,0

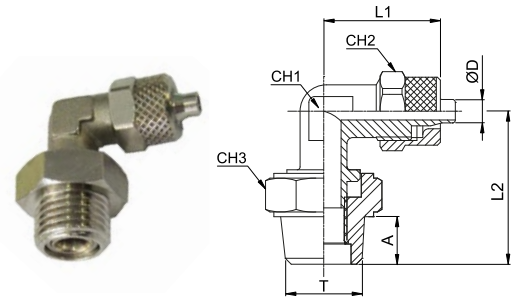
2541 Swivel male elbow BSPT thread





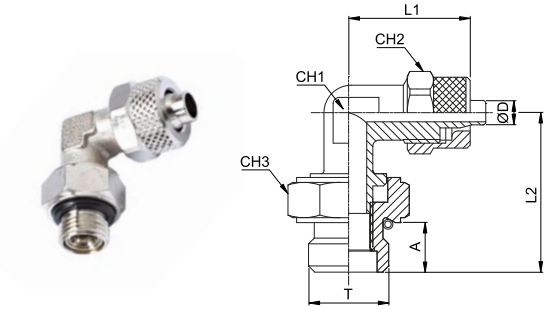
CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2541TR18427	4/2,7	R 1/8"	8	20,5	23,0	8	12	12	18,0
2541TR1864	6/4	R 1/8"	8	22,5	23,0	8	12	12	22,0
2541TR1464		R 1/4"	11	23,0	26,0	10	12	16	34,0
2541TR1886	8/6	R 1/8"	8	23,0	22,0	10	14	12	28,0
2541TR1486		R 1/4"	11	23,0	26,0	10	14	16	36,0
2541TR14108	10/8	R 1/4"	11	25,5	27,0	11	16	16	42,0

2542 Swivel male elbow BSPP thread



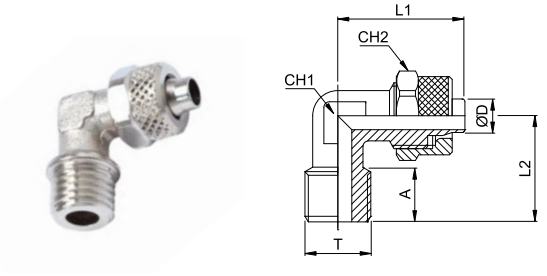
CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2542TR18427	4/2,7	G 1/8"	6	20,5	23,0	8	12	14	18,0
2542TR1864	6/4	G 1/8"	6	22,5	23,0	8	12	14	22,0
2542TR1464		G 1/4"	8	23,0	25,0	10	12	17	34,0
2542TR1886	8/6	G 1/8"	6	23,0	22,0	10	14	14	28,0
2542TR1486		G 1/4"	8	23,0	25,0	10	14	17	36,0
2542TR14108	10/8	G 1/4"	8	25,5	26,0	11	16	17	42,0

2543 Swivel male elbow BSPP thread with o-ring



CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2543TR18427	4/2,7	G 1/8"	6	20,5	23,0	8	12	14	19,0
2543TR1864	6/4	G 1/8"	6	22,5	23,0	8	12	14	23,0
2543TR1464		G 1/4"	8	23,0	25,0	10	12	17	35,0
2543TR1886	8/6	G 1/8"	6	23,0	22,0	10	14	14	29,0
2543TR1486		G 1/4"	8	23,0	25,0	10	14	17	37,0
2543TR14108	10/8	G 1/4"	8	25,5	26,0	11	14	17	43,0

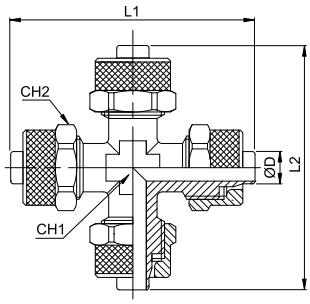
2548 Male elbow metric thread



CODE	ØD	T	A	L1	L2	CH1	CH2	g
2548TRM5427	4/2,7	M5	4	19,5	15,0	8	8	10,0
2548TRM6427		M6	4	19,5	15,0	8	8	10,0
2548TRM553	5/3	M5	4	21,5	15,0	8	8	10,0
2548TRM564	6/4	M5	4	22,5	15,0	8	9	14,0
2548TRM1212564		M12x1,25	9	22,5	20,5	10	12	24,0
2548TRM121564		M12x1,5	9	22,5	20,5	10	12	22,0
2548TRM1212586	8/6	M12x1,25	9	22,5	20,5	10	14	24,0
2548TRM121586		M12x1,5	9	22,5	20,5	10	14	24,0

2550 Cross junction connector

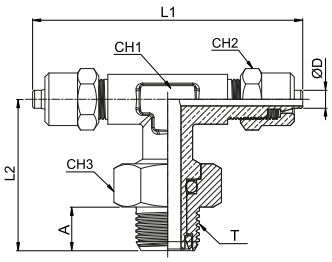




CODE	ØD	L1	L2	CH1	CH2	g
2550TR53	5/3	43,0	43,0	8	8	22,0
2550TR64	6/4	45,0	45,0	8	12	42,0
2550TR86	8/6	45,0	45,0	10	14	52,0
2550TR108	10/8	51,0	51,0	11	16	70,0

2552 Swivel male tee BSPP thread

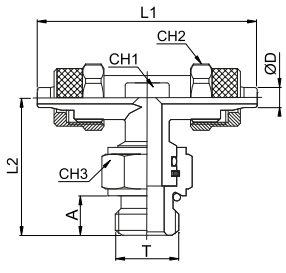




CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2552TR18427	4/2,7	G 1/8"	6	40,5	23,0	8	8	13	19,0
2552TR1864	6/4	G 1/8"	6	45,0	23,0	8	12	13	23,0
2552TR1464		G 1/4"	8	45,5	26,0	10	12	17	35,0
2552TR1886	8/6	G 1/8"	6	45,5	23,0	10	14	13	29,0
2552TR1486		G 1/4"	8	45,5	26,0	10	14	17	37,0
2552TR14108	10/8	G 1/4"	8	51,0	27,0	11	16	17	43,0

2553 Swivel male tee BSPP thread with o-ring



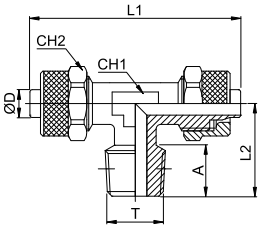


CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2553TR18427	4/2,7	G 1/8"	6	40,5	23,0	8	8	13	19,0
2553TR1864	6/4	G 1/8"	6	45,0	23,0	8	12	13	23,0
2553TR1464		G 1/4"	8	45,5	26,0	10	12	17	35,0
2553TR1886	8/6	G 1/8"	6	45,5	23,0	10	14	13	29,0
2553TR1486		G 1/4"	8	45,5	26,0	10	14	17	37,0
2553TR14108	10/8	G 1/4"	8	51,0	27,0	11	16	17	43,0

drawings and technical data are not binding & can be changed without notice

2555 Male tee BSPT thread

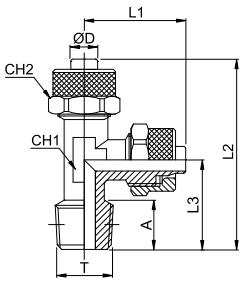




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2555TR18427	4/2,7	R 1/8"	8	40,6	17,0	8	8	16,0
2555TRM553	5/3	M5	4	43,0	15,0	8	8	16,0
2555TR1853		R 1/8"	8	43,0	17,0	8	8	16,0
2555TR1864	6/4	R 1/8"	8	45,0	17,0	8	12	26,0
2555TR1464		R 1/4"	11	45,5	20,5	10	12	34,0
2555TR3864		R 3/8"	11,5	48,0	22,5	11	12	42,0
2555TR1886	8/6	R 1/8"	8	45,5	17,5	10	14	34,0
2555TR1486		R 1/4"	11	45,5	20,5	10	14	36,0
2555TR3886		R 3/8"	11,5	48,0	22,5	11	14	44,0
2555TR18108	10/8	R 1/8"	8	51,0	18,5	11	16	44,0
2555TR14108		R 1/4"	11	51,0	21,5	11	16	48,0
2555TR38108		R 3/8"	11,5	51,0	22,5	11	16	50,0
2555TR12108		R 1/2"	14	57,0	28,0	17	16	80,0
2555TR381210	12/10	R 3/8"	11,5	60,0	24,5	14	18	70,0
2555TR121210		R 1/2"	14	61,0	28,0	17	18	86,0
2555TR1215125	15/12,5	R 1/2"	14	68,0	28,0	17	22	108,0

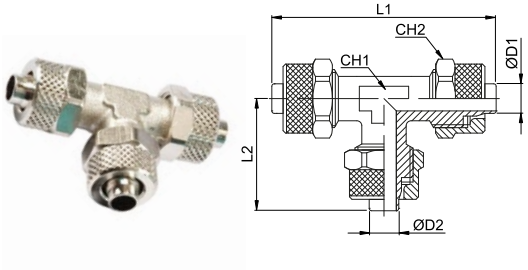
2560 Lateral male tee BSPT thread





CODE	ØD	T	A	L1	L2	L3	CH1	CH2	g
2560TR18427	4/2,7	R 1/8"	8	21,5	38,0	17,0	8	8	16,0
2560TRM553	5/3	M5	4	21,5	36,5	15,0	8	8	16,0
2560TR1853		R 1/8"	8	21,5	38,5	17,0	8	8	16,0
2560TR1864	6/4	R 1/8"	8	22,5	39,5	17,0	8	12	26,0
2560TR1464		R 1/4"	11	22,7	43,5	20,7	10	12	34,0
2560TR3864		R 3/8"	11,5	24,0	46,5	22,5	11	12	42,0
2560TR1886	8/6	R 1/8"	8	22,7	40,5	17,7	10	14	34,0
2560TR1486		R 1/4"	11	22,7	43,5	20,7	10	14	36,0
2560TR3886		R 3/8"	11,5	24,0	46,5	22,5	11	14	44,0
2560TR18108	10/8	R 1/8"	8	25,5	44,0	18,5	11	16	44,0
2560TR14108		R 1/4"	11	25,5	46,5	21,0	11	16	48,0
2560TR38108		R 3/8"	11,5	25,5	48,0	22,5	11	16	50,0
2560TR12108		R 1/2"	14	28,5	56,5	28,0	17	16	80,0
2560TR381210	12/10	R 3/8"	11,5	30,0	54,5	24,5	14	18	70,0
2560TR121210		R 1/2"	14	30,5	58,5	28,0	17	18	86,0
2560TR1215125	15/12,5	R 1/2"	14	34,0	62,0	28,0	17	22	108,0

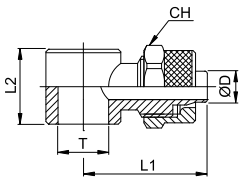
2565 Union tee connector



CODE	ØD1	ØD2	L1	L2	CH1	CH2	g
2565TR427	4/2,7	4/2,7	40,6	20,3	8	8	16,0
2565TR53	5/3	5/3	43,0	21,5	8	8	16,0
2565TR64	6/4	6/4	45,0	22,5	8	12	32,0
2565TR86	8/6	8/6	45,0	22,5	10	14	42,0
2565TR8664		6/4	45,0	22,5	10	14	40,0
2565TR108	10/8	10/8	51,0	25,5	11	16	56,0
2565TR1210	12/10	12/10	60,0	30,0	14	18	78,0
2565TR15125	15/12,5	15/12,5	68,0	34,0	17	22	124,0

2570 Single banjo body



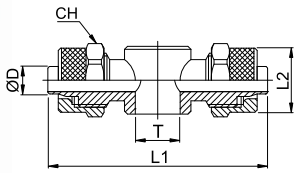


For use with 251V & 252V banjo stem

CODE	ØD	T	L1	L2	CH	g
2570TRM5427	4/2,7	M5	15,8	9,0	8	6,0
2570TRM6427		M6	15,8	9,0	8	6,0
2570TR18427		G 1/8"	21,3	14,5	8	15,0
2570TRM553	5/3	M5	17,0	9,0	8	8,0
2570TR1853		G 1/8"	22,5	14,5	8	14,0
2570TRM564	6/4	M5	18,0	9,0	9	8,0
2570TR1864		G 1/8"	24,0	14,5	12	20,0
2570TR1464		G 1/4"	26,0	14,5	12	24,0
2570TR1886	8/6	G 1/8"	24,0	14,5	14	22,0
2570TR1486		G 1/4"	26,0	14,5	14	26,0
2570TR14108	10/8	G 1/4"	27,5	14,5	16	30,0

2575 Double banjo body



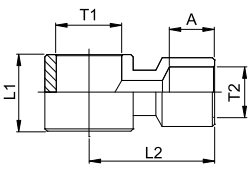


For use with 251V & 252V banjo stem

CODE	ØD	T	L1	L2	CH	g
2575TR18427	4/2,7	G 1/8"	42,6	14,5	8	19,0
2575TR1853	5/3	G 1/8"	45,0	14,5	8	20,0
2575TR1864	6/4	G 1/8"	48,0	14,5	12	30,0
2575TR1464		G 1/4"	52,0	14,5	12	34,0
2575TR1886	8/6	G 1/8"	48,0	14,5	14	32,0
2575TR1486		G 1/4"	52,0	14,5	14	38,0
2575TR14108	10/8	G 1/4"	55,0	14,5	16	44,0

2580 Female single banjo body BSPP thread





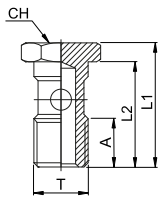
For use with 251V & 252V banjo stem

CODE	T1	T2	A	L1	L2	g
2580TR18	G 1/8"	G 1/8"	8,0	14,5	20,0	22,0
2580TR14	G 1/4"	G 1/4"	10,0	17,5	25,0	41,0
2580TR38	G 3/8"	G 3/8"	11,5	21,0	28,0	78,0

drawings and technical data are not binding & can be changed without notice

251V — Single banjo stem

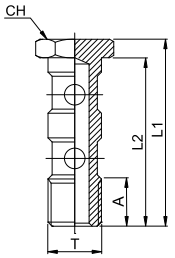




CODE	T	A	L1	L2	CH	g
251VM5	M5	6	18,0	14,5	8	4,0
251VM6	M6	6	18,0	14,5	8	5,0
251V18	G 1/8"	8	27,0	23,0	14	14,0
251V14	G1/4"	11	29,5	25,0	17	24,0

252V — Double banjo stem

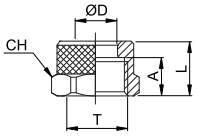




CODE	T	A	L1	L2	CH	g
252V18	G 1/8"	8	43,0	39,0	14	18,0
252V14	G 1/4"	11	45,5	41,0	17	34,0

2630 — Locking nut

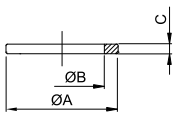




CODE	ØD	T	A	L	CH	g
2630TRM605427	4/2,7	M6x0,5	6,0	8,1	8	1,50
2630TRM707553	5/3	M7x0,75	6,0	8,5	8	1,34
2630TRM807564	6/4	M8x0,75	6,5	9,0	9	1,51
2630TRM10164		M10x1	7,5	10,5	12	4,64
2630TRM12186	8/6	M12x1	7,5	10,5	14	5,57
2630TRM141108	10/8	M14x1	8,0	11,5	16	7,09
2630TRM1611210	12/10	M16x1	10,0	13,0	18	9,36
2630TRM20115125	15/12,5	M20x1	11,0	15,5	22	15,04

2610 — Nylon notched washer

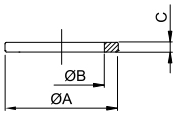




CODE	T	ØA	ØB	C	g
2610TRM5	M5	8,0	5,2	1,0	2,0
2610TR18	G 1/8"	14,0	10,0	1,5	26,0
2610TR14	G 1/4"	18,0	13,5	1,5	42,0
2610TR38	G 3/8"	21,0	16,8	2,0	28,0
2610TR12	G 1/2"	26,0	21,1	2,0	38,0

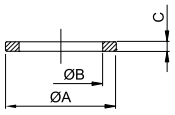
drawings and technical data are not binding & can be changed without notice

2612 PVC washer



CODE	T	ØA	ØB	C	g
2612TR18	G 1/8"	14,0	10,0	1,5	18,0
2612TR14	G 1/4"	17,5	13,5	1,5	18,0
2612TR38	G 3/8"	21,0	16,7	1,5	18,0
2612TR12	G 1/2"	26,0	21,3	1,5	18,0

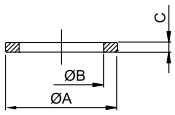
2615 Nylon washer



CODE	T	ØA	ØB	C	g
2615TRM5	M5	8,5	5,0	1,5	4,0
2615TR18	G 1/8"	14,0	9,8	1,5	24,0
2615TR14	G 1/4"	18,0	13,2	1,5	40,0
2615TR38	G 3/8"	21,0	16,7	1,5	20,0
2615TR12	G 1/2"	26,0	21,1	2,0	38,0
2615TR34	G 3/4"	32,0	26,7	2,5	62,0

2620 Aluminium washer

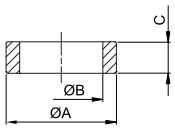




CODE	T	ØA	ØB	C	g
2620TR18	G1/8"	14,0	10,0	1,5	58,0
2620TR14	G1/4"	17,3	13,3	1,5	76,0
2620TR38	G3/8"	21,0	16,9	1,5	46,0
2620TR12	G1/2"	26,0	21,1	1,5	70,0

2625 Nylon spacer





CODE	T	ØA	ØB	C	g
2625TR18	1/8"	14,0	10,0	5,0	52,0
2625TR14	1/4"	17,5	13,2	5,0	66,0

For use with 251V & 252V banjo stem

PUSH-ON FITTINGS POLYPROPYLENE

D.M. 174

PLUS

- GREAT GRIPPING SYSTEM WITH THE LOCKING NUT
- HIGH CHEMICAL RESISTANCE
- EASY TO USE AND SUITABLE FOR VARIOUS APPLICATIONS
- SUITABLE FOR FOOD AND WATER CONTACT
- WIDE RANGE FOR METRIC TUBES (BLUE) AND FOR INCH TUBES (GREY)



p. 142 / **2105**



p. 142 / **2110**



p. 142 / **2115**



p. 143 / **2130**



p. 143 / **2135**



p. 143 / **2140**



p. 143 / **2150**



p. 144 / **2155**



p. 144 / **2160**



p. 144 / **2165**



p. 144 / **2230**



p. 145 / **2105N**



p. 145 / **2110N**



p. 145 / **2115N**



p. 146 / **2135N**



p. 146 / **2140N**



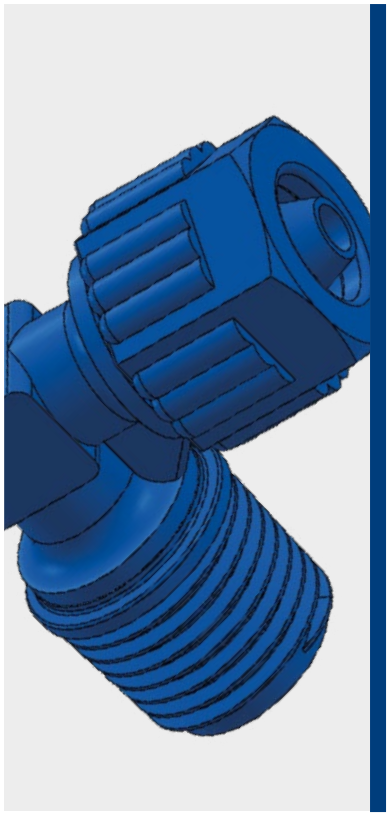
p. 146 / **2155N**



p. 147 / **2160N**



p. 147 / **2165N**



+4°C ÷ +90°C
Subject to applications

Working pressure:
14 Bar (at 20°C)

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 form R1/8" to R3/4"
- NPT ANSI B 1.20.1 from N1/8" to N1/2"

Polyurethane, Polyethylene, Polyamide

Body: Fiber glass reinforced polypropylene
Lock nut: Fiber glass reinforced polypropylene

Food contact materials EC 1935/2004

D.M. 174/2004

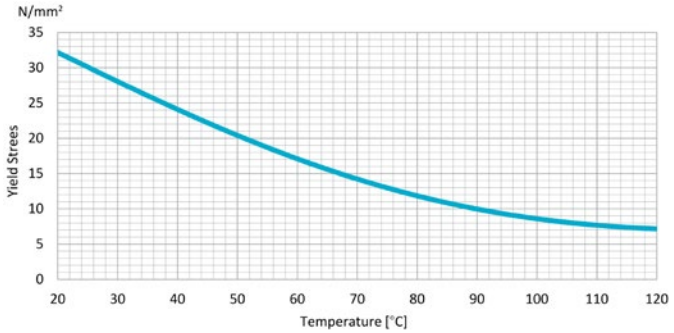
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

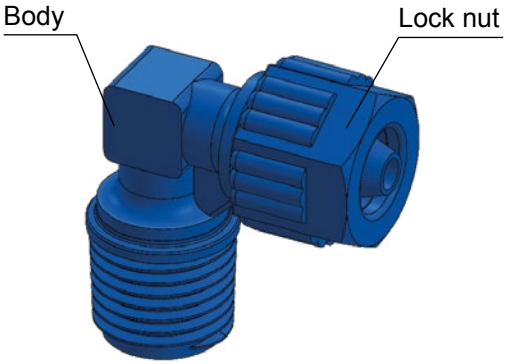
FEATURES

- The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.
- It is reccomended to insert the tube to the end and tighten the nut before using.
- Cut the part of the tube attached to the fitting in order to reutilize it.

YIELD STRESS OF POLYPROPYLENE



CONSTRUCTION DETAILS



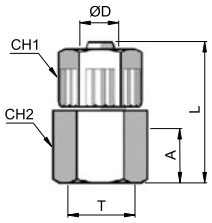
TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	0,01	0,3	1,3	2,7	5,4

2105 Female connector BSPT thread

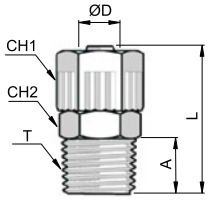




CODE	ØD	T	A	L	CH1	CH2	g
2105TR186	6/4	R 1/8"	10,0	26,3	14	14	3,0
2105TR146		R 1/4"	11,0	27,8	14	17	3,0
2105TR188	8/5,5	R 1/8"	9,5	26,3	14	14	3,0
2105TR148		R 1/4"	11,0	28,0	14	17	4,0
2105TR388		R 3/8"	11,2	30,6	14	22	5,0
2105TR128		R 1/2"	13,5	32,5	14	26	6,0
2105TR1410	10/7	R 1/4"	10,0	31,7	17	17	6,0
2105TR3810		R 3/8"	11,0	33,0	17	22	7,0
2105TR1210		R 1/2"	13,8	35,4	17	26	7,0

2110 Male connector BSPT thread

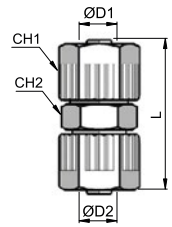




CODE	ØD	T	A	L	CH1	CH2	g
2110TR186	6/4	R 1/8"	8,0	27,5	14	13	3,0
2110TR146		R 1/4"	10,5	29,7	14	14	3,0
2110TR386		R 3/8"	10,5	32,5	14	17	4,5
2110TR126		R 1/2"	13,0	35,5	14	22	6,0
2110TR346		R 3/4"	9,0	36,6	14	27	8,0
2110TR188	8/5,5	R 1/8"	8,0	27,6	14	13	3,0
2110TR148		R 1/4"	10,5	29,5	14	14	3,0
2110TR388		R 3/8"	10,5	31,4	14	17	4,0
2110TR128		R 1/2"	13,0	36,1	14	22	5,0
2110TR348		R 3/4"	9,0	36,6	14	27	8,0
2110TR1410	10/7	R 1/4"	10,5	35,8	17	17	4,0
2110TR3810		R 3/8"	10,5	35,8	17	17	5,0
2110TR1210		R 1/2"	12,0	38,9	17	22	6,0
2110TR3410		R 3/4"	13,0	39,7	17	27	6,0
2110TR1412	12/9	R 1/4"	10,5	37,3	19	14	6,0
2110TR3812		R 3/8"	10,5	37,3	19	17	7,0
2110TR1212		R 1/2"	12,5	40,1	19	22	7,0
2110TR3412		R 3/4"	13,0	40,1	19	27	8,0

2115 Union connector

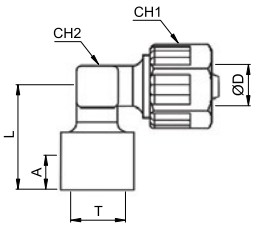




CODE	ØD1	ØD2	L	CH1	CH2	g
2115TR6	6/4	6/4	32,7	14	14	4,0
2115TR8	8/5,5	8/5,5	32,7	14	14	4,0
2115TR12	12/9	12/9	40,6	19	19	8,0
REDUCED UNION CONNECTOR						
2115TR86	8/5,5	6/4	32,7	14	14	4,0

2130 Female elbow BSPT thread

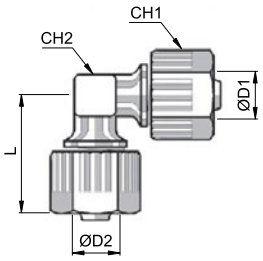




CODE	ØD	T	A	L	CH1	CH2	g
2130TR186	6/4	R 1/8"	10,5	19,5	14	9	5,0
2130TR146		R 1/4"	12,3	22,5	14	9	5,0
2130TR148	8/5,5	R 1/4"	12,3	22,5	14	9	6,0

2135 Union elbow

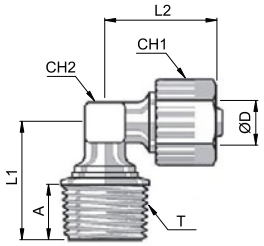




CODE	ØD1	ØD2	L	CH1	CH2	g
2135TR6	6/4	6/4	23,3	14	8	4,0
2135TR8	8/5,5	8/5,5	23,5	14	8	4,0
2135TR12	12/9	12/9	32,0	19	15	10,0
REDUCED UNION CONNECTOR						
2135TR86	8/5,5	6/4	23,3	14	8	4,4

2140 Male elbow BSPT thread

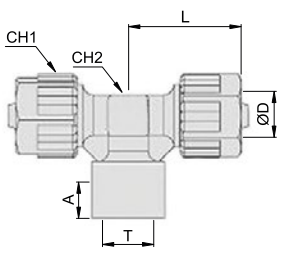




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2140TR186	6/4	R 1/8"	8,0	18,5	22,5	14	8	2,0
2140TR146		R 1/4"	10,0	23,0	22,5	14	8	3,0
2140TR188	8/5,5	R 1/8"	8,5	18,5	23,0	14	8	3,0
2140TR148		R 1/4"	11,0	23,0	23,0	14	8	3,0
2140TR388		R 3/8"	11,0	23,5	23,0	14	8	5,0
2140TR1412	12/9	R 1/4"	10,0	24,0	33,0	19	15	7,0
2140TR3812		R 3/8"	10,0	24,5	33,0	19	15	6,0
2140TR1212		R 1/2"	13,0	28,5	33,0	19	15	9,0

2150 Female tee BSPT thread

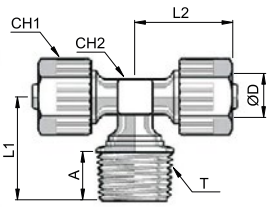




CODE	ØD	T	A	L	CH1	CH2	g
2150TR186	6/4	R 1/8"	10,2	23,3	14	8	5,82
2150TR148	8/5,5	R 1/4"	12,5	23,4	14	8	5,82

2155 Male tee BSPT thread

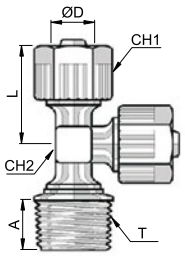




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2155TR186	6/4	R 1/8"	9,0	19,0	23,4	14	8	6,0
2155TR146		R 1/4"	11,0	21,0	23,4	14	8	6,0
2155TR188	8/5,5	R 1/8"	9,0	19,0	23,4	14	8	5,0
2155TR148		R 1/4"	11,0	21,0	23,4	14	8	6,0
2155TR388		R 3/8"	11,0	21,0	23,6	14	8	7,0
2155TR1412	12/9	R 1/4"	11,0	21,0	33,5	14	8	12,0
2155TR3812		R 3/8"	10,7	24,5	33,5	19	15	14,0
2155TR1212		R 1/2"	15,0	28,5	33,5	19	15	15,0

2160 Lateral male tee BSPT thread

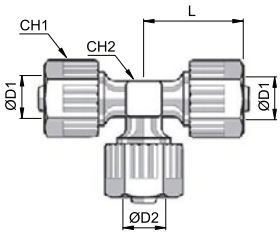




CODE	ØD	T	A	L	CH1	CH2	g
2160TR186	6/4	R 1/8"	8,5	20,9	14	8	5,0
2160TR146		R 1/4"	11,0	23,1	14	8	5,0
2160TR188	8/5,5	R 1/8"	8,5	20,9	14	8	5,0
2160TR148		R 1/4"	11,0	23,1	14	8	5,0
2160TR388		R 3/8"	10,0	29,4	14	8	7,0
2160TR1412	12/9	R 1/4"	10,0	28,8	19	15	12,0
2160TR3812		R 3/8"	11,0	29,5	19	15	14,0
2160TR1212		R 1/2"	15,0	31,3	19	15	15,0

2165 Union tee

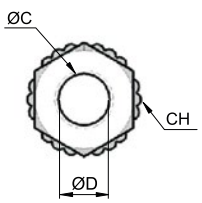




CODE	ØD1	ØD2	L	CH1	CH2	g
2165TR6	6/4	6/4	23,4	14	8	7,0
2165TR8	8/5,5	8/5,5	23,4	14	8	5,0
2165TR12	12/9	12/9	33,55	19	14	14,0
REDUCED UNION TEE						
2165TR68	6/4	8/5,5	46,8	14	8	6,48
2165TR86	8/5,5	6/4	46,8	14	8	6,41

2230 Locking nut





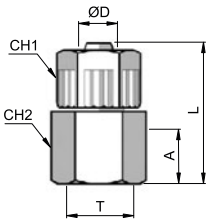
CODE	ØD	ØC	CH	g
2230TR6	6/4	6,2	16	1,0
2230TR8	8/5,5	8,1	16	2,0
2230TR10	10/7	10,2	19	3,0
2230TR12	12/9	12,8	22	4,0

drawings and technical data are not binding & can be changed without notice

2105N

Female connector NPT thread



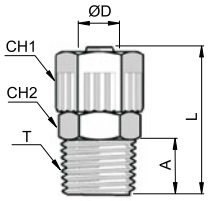


CODE	ØD	T	A	L	CH1	CH2	g
2105TRN1814	1/4	N 1/8"	13,0	26,3	16	14	3,0
2105TRN18516	5/16	N 1/8"	-	26,3	16	14	-
2105TRN14516		N 1/4"	-	32,1	16	17	-
2105TRN38516		N 3/8"	-	32,2	19	22	-
2105TRN12516		N 1/2"	-	37,5	22	27	-
2105TRN1438	3/8	N 1/4"	16,5	34,5	19	17	5,0
2105TRN3838		N 3/8"	16,7	34,5	19	22	6,5
2105TRN1238		N 1/2"	-	38,0	19	27	-

2110N

Male connector NPT thread



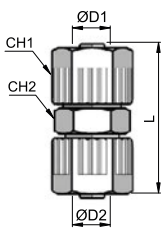


CODE	ØD	T	A	L	CH1	CH2	g
2110TRN1814	1/4	N 1/8"	8,5	29,4	14	11	2,56
2110TRN1414		N 1/4"	13	34,0	14	14	3,33
2110TRN1214		N 1/2"	18	40,2	14	22	6,76
2110TRN18516	5/16	N 1/8"	8,5	29,4	14	11	2,71
2110TRN14516		N 1/4"	13	34,0	14	14	3,07
2110TRN38516		N 3/8"	13	35,1	14	17	4,17
2110TRN1438	3/8	N 1/4"	13	37,6	17	14	4,39
2110TRN3838		N 3/8"	13	38,6	17	17	5,55
2110TRN1238		N 1/2"	18	43,7	17	22	7,63
2110TRN3438		N 3/4"	-	44,4	17	27	10,12
2110TRN1412	1/2	N 1/4"	13	38,8	19	14	5,11
2110TRN3812		N 3/8"	13	40	19	17	6,18
2110TRN1212		N 1/2"	18	45	19	22	8,34

2115N

Union connector

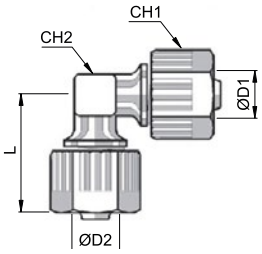




CODE	ØD1	ØD2	L	CH1	CH2	g
2115TRN14	1/4	1/4	32,5	14	14	4,14
2115TRN516	5/16	5/16	32,6	14	14	4,09
2115TRN12	1/2	1/2	40,4	19	19	8,26

2135N — Union elbow connector

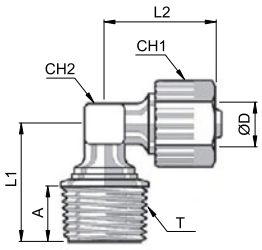




CODE	ØD1	ØD2	L	CH1	CH2	g
2135TRN14	1/4	1/4	23,3	14	8	4,48
2135TRN516	5/16	5/16	23,5	14	8	4,35

2140N — Male elbow NPT thread

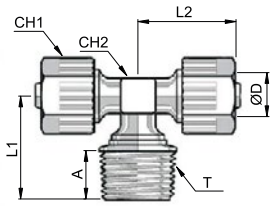




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2140TRN1814	1/4	N 1/8"	10	19,5	22,5	14	8	3,2
2140TRN1414		N 1/4"	12,5	23,3	22,5	14	8	3,83
2140TRN18516	5/16	N 1/8"	12,5	23,5	22,5	14	8	3,13
2140TRN14516		N 1/4"	10	19,5	22,5	14	8	3,81

2155N — Male tee NPT thread





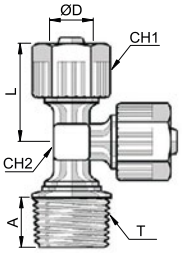
CODE	ØD	T	A	L1	L2	CH1	CH2	g
2155TRN1814	1/4	N 1/8"	10	20,3	23,4	14	8	5,25
2155TRN1414		N 1/4"	12,5	25	23,4	14	8	5,74
2155TRN18516	5/16	N 1/8"	10	20,3	23,4	14	8	5,17
2155TRN14516		N 1/4"	12,5	25	23,4	14	8	5,81
2155TRN3812	1/2	N 3/8"	14	30,2	33,5	19	15	13,06
2155TRN1212		N 1/2"	17,5	33	33,5	19	15	13,79

drawings and technical data are not binding & can be changed without notice

2160N

Lateral male tee NPT thread



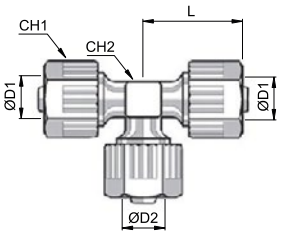


CODE	ØD	T	A	L	CH1	CH2	g
2160TRN1814	1/4	N 1/8"	-	21,7	14	8	5,28
2160TRN1414		N 1/4"	-	24,1	14	8	5,88
2160TRN18516	5/16	N 1/8"	10	21,7	14	8	5,04
2160TRN14516		N 1/4"	13,3	24,1	14	8	5,62

2165N

Union tee





CODE	ØD1	ØD2	L	CH1	CH2	g
2165TRN14	1/4	1/4	27,4	14	-	6,52
2165TRN516	5/16	5/16	27,4	14	-	6,29
2165TRN12	1/2	1/2	40,4	19	14	14,84



PUSH-ON FITTINGS PVDF

D.M. 174

NSF

PLUS

- EXCELLENT CLAMPING SYSTEM WITH THE CLOSING NUT THAT GUARANTEES AN EXCELLENT GRIP BETWEEN FITTING AND TUBE
- RESISTANT TO CONTACT WITH CHEMICALS AND CAN BE USED IN THE FOOD SECTOR
- EXTREMLY SIMPLE TO USE FOLLOWING TECHNICAL INFORMATION
- ENVIRONMENTALLY FRIENDLY AND NON-TOXIC
- RESISTANT TO COSTANT HIGH LEVEL TEMPERATURES
- OPTIMISATION OF INTERNAL STEPS WHICH GUARANTEE FULL FLUID PASSAGE



p. 152 / **2900**



p. 152 / **2905**



p. 152 / **2910**



p. 153 / **2915**



p. 153 / **2930**



p. 153 / **2935**



p. 153 / **2940**



p. 154 / **2943**



p. 154 / **2950**



p. 154 / **2955**



p. 154 / **2960**



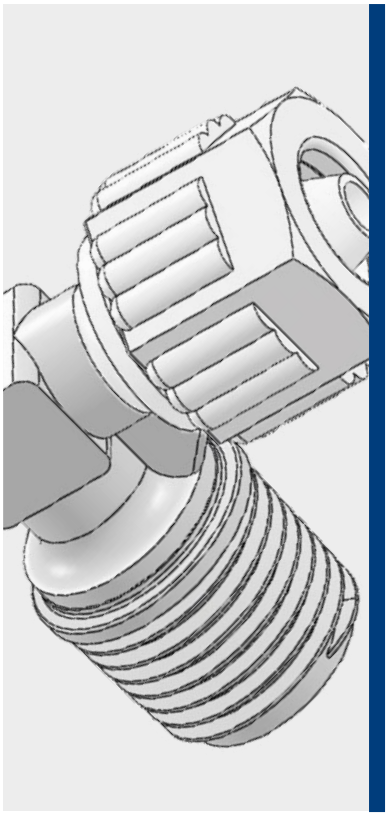
p. 155 / **2970**



p. 155 / **2965**



p. 155 / **2230**



-20°C ÷ +120°C
Subject to applications

Working pressure:
14 Bar (at 20°C)

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R3/4"
- Parallel gas BSPP ISO 228 G1/8" and G 1/4"

Polyurethane, Polyethylene, Polyamide, PTFE, FEP

Body: Polyvinylidene fluoride (PVDF)
Lock nut: Polypropylene
O-ring: Silicone (2900)
Viton (2943)

AVAILABILITY:
NPT threads with inch tube available on demand

Food contact materials EC 1935/2004

D.M. 174/2004

NSF 61 / NSF 372
NSF certificate on behalf of Tefen Flow and Dosing Technologies Ltd.

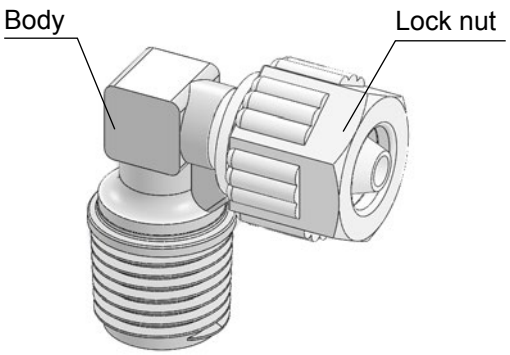
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

FEATURES

- The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.
- It is reccomended to insert the tube to the end and tighten the nut before using.
- Cut the part of the tube attached to the fitting in order to reutilize it.

CONSTRUCTION DETAILS



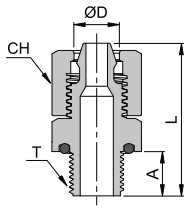
TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	0,1	1	4	8	16

2900 Male connector BSPP thread with o-ring



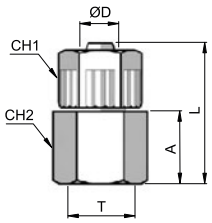


CODE	ØD	T	A	L	CH	g
2900TR186	6/4	G 1/8"	8,5	27,2	14	4,15
2900TR146		G 1/4"	8	30,9	14	5,4
2900TR188	8/5,5	G 1/8"	8,5	27,3	14	4,1
2900TR148		G 1/4"	8	31,1	14	6,0
2900TR1810	10/7	G 1/8"	8,5	27,2	17	6,0
2900TR1410		G 1/4"	8	31,0	17	6,5

The 2900 fitting is not certified EC 1935/2004 (Food contact materials) and D.M. 174/2004

2905 Female connector BSPT thread

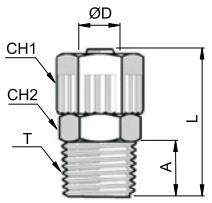




CODE	ØD	T	A	L	CH1	CH2	g
2905TR186	6/4	R 1/8"	10	26,3	14	14	3,0
2905TR146		R 1/4"	11	27,3	14	17	3,0
2905TR188	8/5,5	R 1/8"	9	26,3	14	14	3,0
2905TR148		R 1/4"	11	28,0	14	17	4,0
2905TR388		R 3/8"	11	30,6	14	22	5,0
2905TR128		R 1/2"	13,5	32,5	14	26	6,0
2905TR1410	10/7	R 1/4"	10	31,7	17	17	6,0
2905TR3810		R 3/8"	11	33,0	17	22	7,0
2905TR1210		R 1/2"	14	35,1	17	26	7,0

2910 Male connector BSPT thread

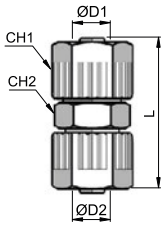




CODE	ØD	T	A	L	CH1	CH2	g
2910TR186	6/4	R 1/8"	8	27,5	14	13	3,0
2910TR146		R 1/4"	10,5	29,7	14	15	3,0
2910TR386		R 3/8"	10,5	32,5	14	17	6,5
2910TR126		R 1/2"	13	35,5	14	22	6,0
2910TR346		R 3/4"	9	35,5	14	27	8,0
2910TR188	8/5,5	R 1/8"	8	27,6	14	13	3,0
2910TR148		R 1/4"	10,5	29,5	14	15	3,0
2910TR388		R 3/8"	10,5	31,4	14	18	4,0
2910TR128		R 1/2"	13	36,1	14	22	5,0
2910TR348		R 3/4"	9	26,1	14	27	8,0
2910TR1410	10/7	R 1/4"	10,5	36,1	17	17	4,0
2910TR3810		R 3/8"	10,5	35,8	17	17	5,0
2910TR1210		R 1/2"	12	38,9	17	22	6,0
2910TR3410		R 3/4"	13	38,9	17	27	6,0
2910TR1412	12/9	R 1/4"	10,5	37,3	19	17	6,0
2910TR3812		R 3/8"	10,5	37,3	19	17	7,0
2910TR1212		R 1/2"	12,5	40,1	19	22	7,0
2910TR3412		R 3/4"	13	40,1	19	27	15,65

2915 Union connector

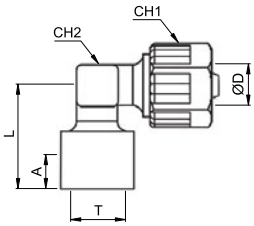




CODE	ØD1	ØD2	L	CH1	CH2	g
2915TR6	6/4	6/4	32,7	14	14	4,0
2915TR8	8/5,5	8/5,5	32,7	14	14	4,0
2915TR12	12/9	12/9	40,6	19	18	8,0
REDUCED UNION CONNECTOR						
2915TR86	8/5,5	6/4	32,7	14	14	4,0

2930 Female elbow BSPT thread

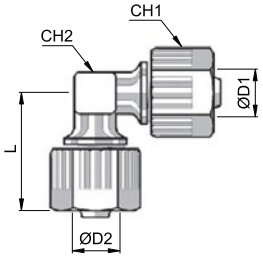




CODE	ØD	T	A	L	CH1	CH2	g
2930TR186	6/4	R 1/8"	10,5	19,5	14	9	5,0
2930TR146		R 1/4"	12,3	22,5	14	9	5,0
2930TR148	8/5,5	R 1/4"	12,3	22,5	14	9	6,0

2935 Union elbow

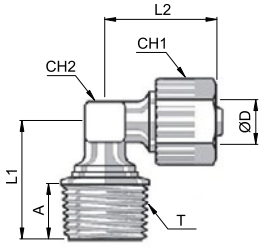




CODE	ØD	L	CH1	CH2	g
2935TR6	6/4	23,3	14	8	4,0
2935TR8	8/5,5	23,5	14	8	4,0
2935TR12	12/9	32,0	19	15	10,0

2940 Male elbow BSPT thread

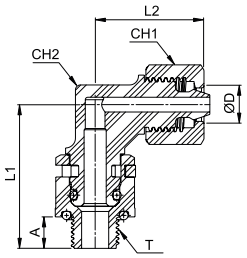




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2940TR186	6/4	R 1/8"	8	18,5	22,5	14	8	2,0
2940TR146		R 1/4"	10	23,0	22,5	14	8	3,0
2940TR188	8/5,5	R 1/8"	8,5	18,5	23,0	14	8	3,0
2940TR148		R 1/4"	11	23,0	23,0	14	8	3,0
2940TR388		R 3/8"	11	23,5	23,0	14	8	5,0
2940TR1412	12/9	R 1/4"	10	24,0	33,0	19	15	7,0
2940TR3812		R 3/8"	10	24,5	33,0	19	15	6,0
2940TR1212		R 1/2"	13	28,5	33,0	19	15	9,0

2943 Swivel male elbow BSPP thread with o-ring



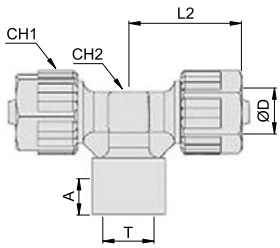


CODE	ØD	T	A	L1	L2	CH1	CH2	g
2943TR188	8/5,5	G 1/8"	8,5	33,2	27,3	16	8	9,5
2943TR148		G 1/4"	8	33,2	27,3	16	8	10,0

The 2943 fitting is not certified EC 1935/2004 (Food contact materials) and D.M. 174/2004

2950 Female tee BSPT thread

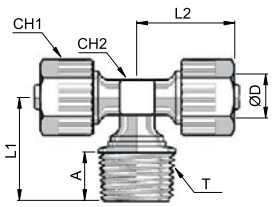




CODE	ØD	T	A	L	CH1	CH2	g
2950TR186	6/4	R 1/8"	10,2	23,3	14	8	8,15
2950TR148	8/5,5	R 1/4"	12,5	23,4	14	8	8,7

2955 Male tee BSPT thread

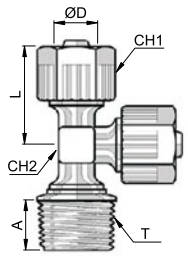




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2955TR186	6/4	R 1/8"	9	19,0	23,4	14	8	6,0
2955TR146		R 1/4"	11	21,0	23,4	14	8	6,0
2955TR188	8/5,5	R 1/8"	9	19,0	23,4	14	8	5,0
2955TR148		R 1/4"	11	21,0	23,4	14	8	6,0
2955TR388		R 3/8"	11	21,0	23,6	14	8	7,0
2955TR1412	12/9	R 1/4"	11	21,0	33,5	14	8	12,0
2955TR3812		R 3/8"	10,7	24,5	33,5	19	15	14,0
2955TR1212		R 1/2"	15	28,5	33,5	19	15	15,0

2960 Lateral male tee BSPT thread

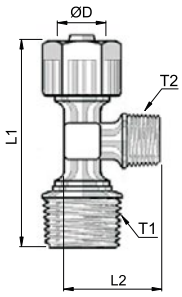




CODE	ØD	T	A	L	CH1	CH2	g
2960TR186	6/4	R 1/8"	8,5	20,9	14	8	5,0
2960TR146		R 1/4"	11	23,1	14	8	5,0
2960TR188	8/5,5	R 1/8"	8,5	20,9	14	8	5,0
2960TR148		R 1/4"	11	23,1	14	8	5,0
2960TR388		R 3/8"	10	29,4	14	8	7,0
2960TR1412	12/9	R 1/4"	10	28,8	19	15	12,0
2960TR3812		R 3/8"	11	31,2	19	15	14,0
2960TR1212		R 1/2"	15	31,3	19	15	15,0

2970 Lateral male tee BSPT thread

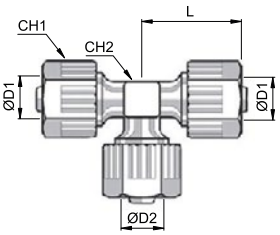




CODE	ØD	T1	T2	L1	L2	g
2970TR148	8/5,5	R 1/4"	R 1/8"	46,2	22,6	7,15

2965 Union tee

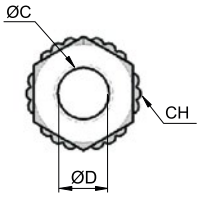




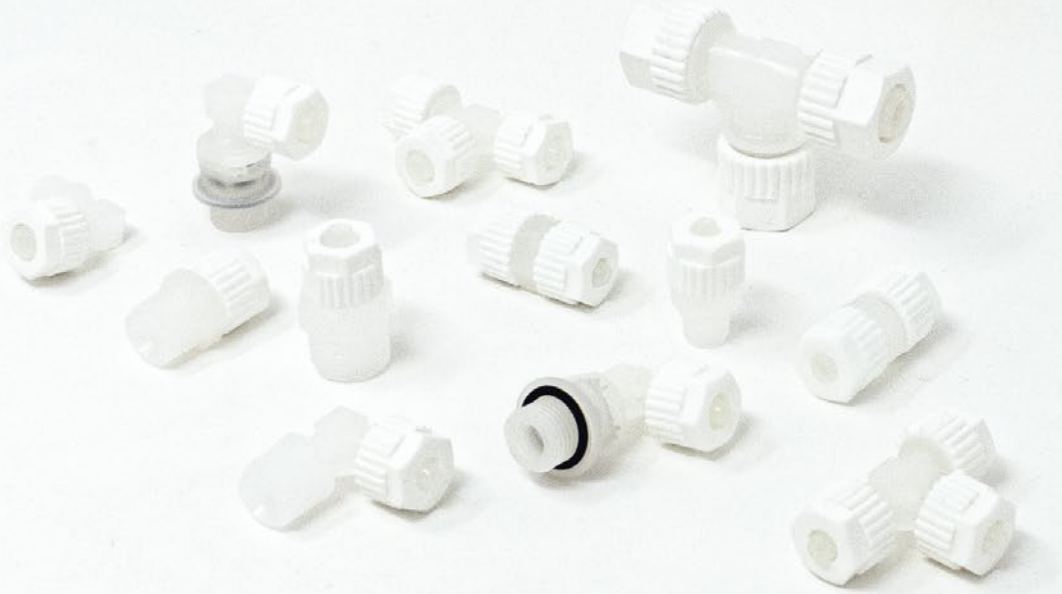
CODE	ØD1	ØD2	L	CH1	CH2	g
2965TR6	6/4	6/4	23,4	14	8	7,0
2965TR8	8/5,5	8/5,5	23,4	14	8	5,0
2965TR12	12/9	12/9	33,2	19	14	14,0
REDUCED UNION TEE						
2965TR68	8/5,5	6/4	23,4	14	8	9,0
2965TR86	6/4	8/5,5	23,4	14	8	8,7

2230 Locking nut





CODE	ØD	ØC	CH	g
2230TR6	6/4	6	14	1,0
2230TR8	8/5,5	8	14	2,0
2230TR10	10/7	10	17	3,0
2230TR12	12/9	13	19	4,0



PUSH-ON FITTINGS
STAINLESS STEEL AISI 316L

D.M. 174

PLUS

GREAT GRIPPING SYSTEM WITH THE LOCKING NUT AND WITHOUT SEALING ELEMENTS (EXCLUDING SWIVEL FITTINGS)

SUITABLE FOR POTABLE WATER AND FOOD FLUIDS CONTACT

EASY TO USE AND EXTREMELY RESISTANT IN CORROSIVE ENVIRONMENTS

FULL STAINLESS STEEL AISI 316L SUITABLE FOR THE CHEMICAL INDUSTRY

THANKS TO THE CONICAL GUIDE THEY ARE PARTICULARY SUITABLE TO RESIST WITH EXTREME OPERATIONAL CONDITIONS



p. 160 / **2700**



p. 160 / **2710**



p. 160 / **2720**



p. 161 / **2725**



p. 161 / **2730**



p. 161 / **2740**



p. 162 / **2745**



p. 162 / **2750**



p. 162 / **2760**



p. 162 / **2770**

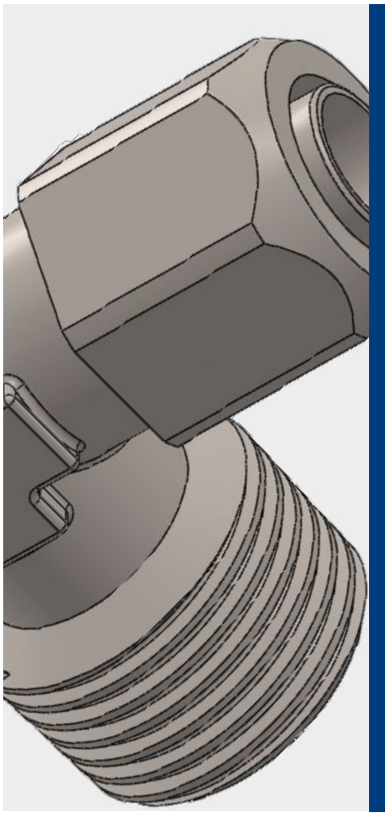


p. 163 / **2780**



p. 163 / **2790**

p. 163 / **2612**



- 40°C ÷ +140°C
0°C ÷ +140°C swivel fittings

Working pressure:
25 Bar (at 20°C)
16 Bar (at 20°C) swivel fittings

Compressed air, potable water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G 1/2"

Polyethylene PE, PTFE, FEP

Body: Stainless steel AISI 316L
Lock nut: Stainless steel AISI 316L
O-ring: FKM (swivel fittings)
FDA compliant

Food contact materials EC 1935/2004

D.M. 174/2004

SILICONE FREE

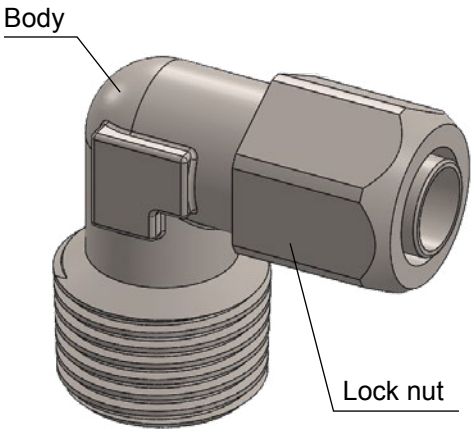
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

TOLLERANCES - METRIC TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,1	± 0,15

CONSTRUCTION DETAILS



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	6-9	12-15	16-20	18-22

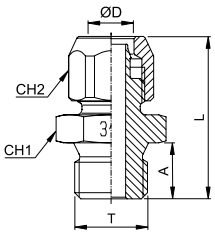
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	4-6	7-9	8-10	12-15

drawings and technical data are not binding & can be changed without notice

2700 Male connector BSPP thread

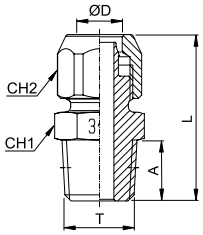




CODE	ØD	T	A	L	CH1	CH2	g
2700TR1864	6/4	G 1/8"	8,0	18,5	13	12	15,0
2700TR1464		G 1/4"	10,0	19,0	17	12	24,0
2700TR1886	8/6	G 1/8"	8,0	18,5	13	14	18,0
2700TR1486		G 1/4"	10,0	19,0	17	14	27,0
2700TR18108	10/8	G 1/8"	8,0	20,0	14	17	28,0
2700TR14108		G 1/4"	10,0	20,5	17	17	33,0
2700TR38108		G 3/8"	10,0	20,5	19	17	40,5
2700TR381210	12/10	G 3/8"	10,0	22,0	19	19	44,0
2700TR121210		G 1/2"	12,0	22,5	24	19	47,0

2710 Male connector BSPT thread

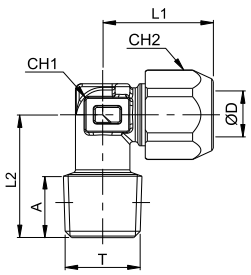




CODE	ØD	T	A	L	CH1	CH2	g
2710TR1864	6/4	R 1/8"	7,5	26,0	12	12	19,0
2710TR1464		R 1/4"	11,0	30,0	14	12	22,0
2710TR1886	8/6	R 1/8"	7,5	26,0	12	14	17,0
2710TR1486		R 1/4"	11,0	30,0	14	14	25,0
2710TR18108	10/8	R 1/8"	7,5	27,5	14	17	28,0
2710TR14108		R 1/4"	11,0	31,5	14	17	30,5
2710TR38108		R 3/8"	11,5	32,0	17	17	41,0
2710TR381210	12/10	R 3/8"	11,5	33,5	17	19	44,0
2710TR121210		R 1/2"	14,0	36,5	22	19	44,0

2720 Male elbow BSPT thread

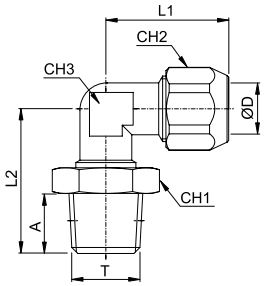




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2720TR1864	6/4	R 1/8"	7,5	17,5	17,0	8	12	15,0
2720TR1464		R 1/4"	10,5	17,5	20,0	9	12	20,0
2720TR1886	8/6	R 1/8"	7,5	18,5	18,0	9	14	19,0
2720TR1486		R 1/4"	10,5	18,5	21,0	10	14	24,0
2720TR3886		R 3/8"	11	26,5	24,5	13	14	41,5
2720TR18108	10/8	R 1/8"	9,0	24,5	18,5	10	17	27,0
2720TR14108		R 1/4"	10,5	24,5	21,0	10	17	30,5
2720TR38108		R 3/8"	11,0	27,0	24,5	13	17	46,0
2720TR381210	12/10	R 3/8"	11,5	29,0	25,0	13	19	48,5
2720TR121210		R 1/2"	14,0	30,5	29,0	17	19	66,0

2725 Swivel male elbow BSPT thread

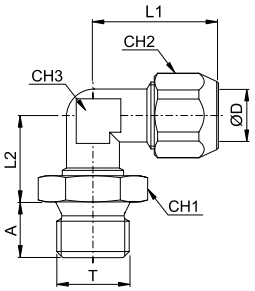




CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2725TR1864	6/4	R 1/8"	7,5	22,5	21,5	13	12	10	24,0
2725TR1464		R 1/4"	11,0	22,5	25,5	17	12	10	28,0
2725TR1886	8/6	R 1/8"	7,5	22,5	21,5	13	14	10	25,0
2725TR1486		R 1/4"	11,0	22,5	25,5	17	14	10	30,0
2725TR14108	10/8	R 1/4"	11,0	24,0	25,5	17	17	10	35,5

2730 Swivel male elbow BSPP thread

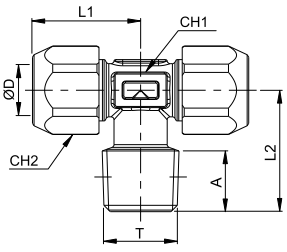




CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2730TR1864	6/4	G 1/8"	8,0	22,5	14,0	13	12	10	25,0
2730TR1464		G 1/4"	10,0	22,5	14,5	17	12	10	28,0
2730TR1886	8/6	G 1/8"	8,0	22,5	14,0	13	14	10	25,5
2730TR1486		G 1/4"	10,0	22,5	14,5	17	14	10	29,5
2730TR14108	10/8	G 1/4"	10,0	24,0	14,5	17	17	10	36,0

2740 Male tee BSPT thread

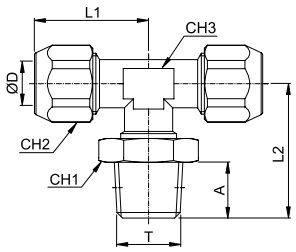




CODE	ØD	T	A	L1	L2	CH1	CH2	g
2740TR1864	6/4	R 1/8"	7,5	17,5	17,0	8	12	24,0
2740TR1464		R 1/4"	10,5	17,5	20,0	9	12	29,0
2740TR1886	8/6	R 1/8"	7,5	18,5	18,0	9	14	30,0
2740TR1486		R 1/4"	10,5	18,5	21,0	10	14	36,0
2740TR18108	10/8	R 1/8"	9,0	25,0	18,5	10	17	47,0
2740TR14108		R 1/4"	10,5	25,0	21,0	10	17	51,0
2740TR38108		R 3/8"	11,5	27,0	25,0	13	17	69,5
2740TR381210	12/10	R 3/8"	11,5	29,0	25,0	13	19	74,0
2740TR121210		R 1/2"	14,0	30,5	29,0	17	19	106,0

2745 Swivel male tee BSPT thread

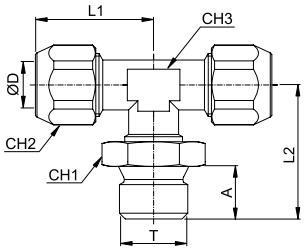




CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2745TR1864	6/4	R 1/8"	7,5	22,5	21,5	13	12	10	35,5
2745TR1464		R 1/4"	11,0	22,5	25,5	17	12	10	39,5
2745TR1886	8/6	R 1/8"	7,5	22,5	21,5	13	14	10	37,5
2745TR1486		R 1/4	11,0	22,5	25,5	17	14	10	42,0
2745TR14108	10/8	R 1/4"	11,0	24,0	25,5	17	17	10	53,0

2750 Swivel male tee BSPP thread

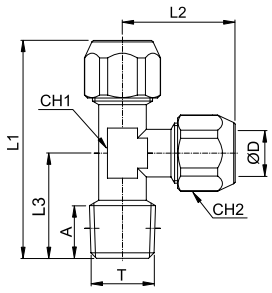




CODE	ØD	T	A	L1	L2	CH1	CH2	CH3	g
2750TR1864	6/4	G 1/8"	8,0	22,5	14,0	13	12	10	35,5
2750TR1464		G 1/4"	10,0	22,5	14,5	17	12	10	38,0
2750TR1886	8/6	G 1/8"	8,0	22,5	14,0	13	14	10	37,5
2750TR1486		G 1/4"	10,0	22,5	14,5	17	14	10	41,5
2750TR14108	10/8	G 1/4"	10,0	24,0	14,5	17	17	10	54,0

2760 Lateral male tee BSPT thread

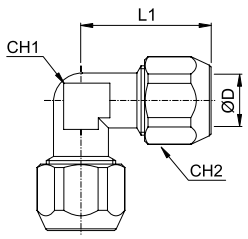




CODE	ØD	T	A	L1	L2	L3	CH1	CH2	g
2760TR1864	6/4	R 1/8"	9,0	41,0	22,5	18,5	10	12	30,0
2760TR1464		R 1/4"	10,5	43,5	22,5	21,0	10	12	33,0
2760TR1886	8/6	R 1/8"	9,0	41,0	22,5	18,5	10	14	32,0
2760TR1486		R 1/4"	10,5	43,5	22,5	21,0	10	14	35,0
2760TR18108	10/8	R 1/8"	9,0	43,5	25,0	18,5	10	17	45,0
2760TR14108		R 1/4"	10,5	46,0	25,0	21,0	10	17	55,5
2760TR38108		R 3/8"	11,5	52,0	27,0	25,0	13	17	68,0

2770 Union elbow

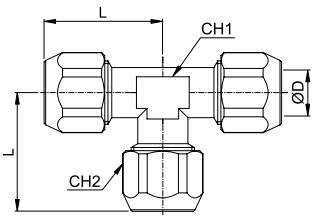




CODE	ØD	L	CH1	CH2	g
2770TR64	6/4	22,5	10	12	26,0
2770TR86	8/6	22,5	10	14	28,0
2770TR108	10/8	25,0	10	17	41,5
2770TR1210	12/10	29,0	13	19	60,0

2780 Union tee

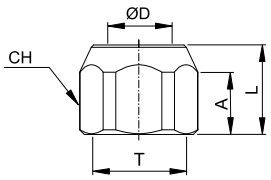




CODE	ØD	L	CH1	CH2	g
2780TR64	6/4	22,5	10	12	37,0
2780TR86	8/6	22,5	10	14	39,0
2780TR108	10/8	25,0	10	17	61,0
2780TR1210	12/10	29,0	13	19	115,0

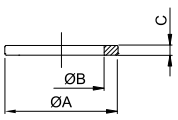
2790 Locking nut





CODE	ØD	T	A	L	CH	g
2790TRM10164	6/4	M10x1	8,0	11,5	12	5,0
2790TRM12186	8/6	M12x1	8,0	11,5	14	6,0
2790TRM141108	10/8	M14x1	9,5	13,5	17	13,0
2790TRM1611210	12/10	M16x1	9,0	14,5	19	15,0

2612 PVC washer

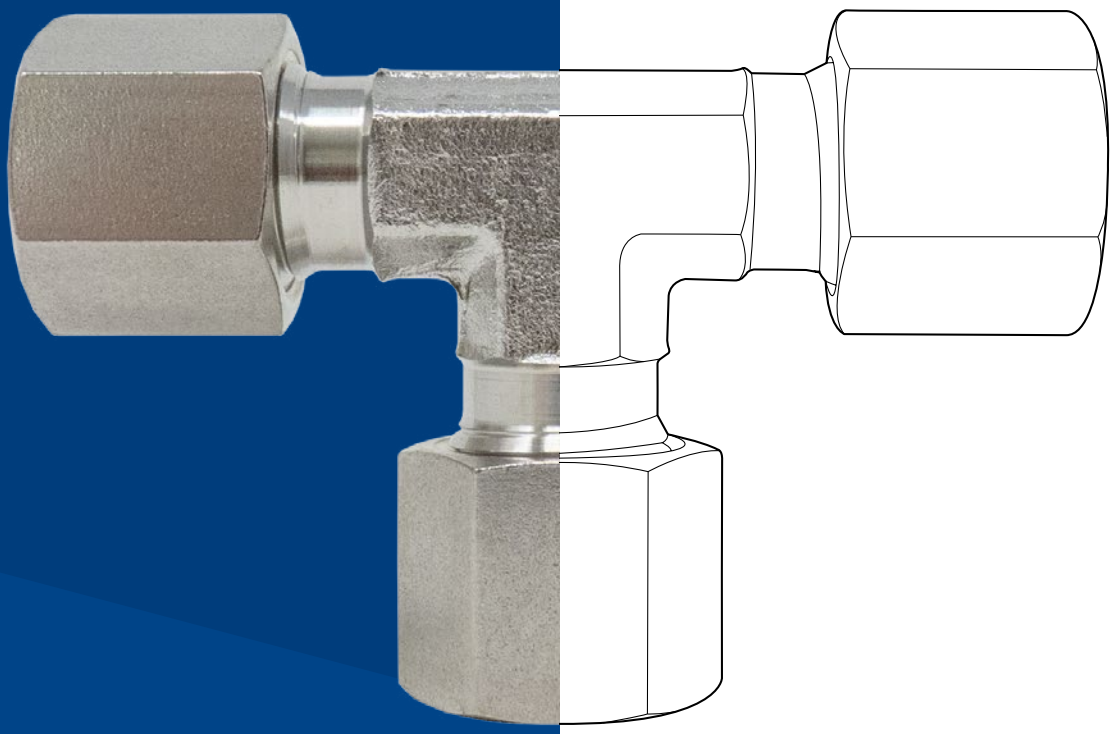


CODE	T	ØA	ØB	C	g
2612TR18	G 1/8"	14,0	10,0	1,5	18,0
2612TR14	G 1/4"	17,5	13,5	1,5	18,0
2612TR38	G 3/8"	21,0	16,7	1,5	18,0
2612TR12	G 1/2"	26,0	21,3	1,5	18,0

The 2612 PVC washer is not certified EC 1935/2004 (Food contact materials) and D.M. 174/2004



COMPRESSION FITTINGS



TECHNICAL INDEX



p. 167

YELLOW BRASS

Materials: Yellow brass
Pressure: from 60 to 100 Bar
Temperature: from 0°C to 80°C
Range: Ø4 - Ø28 / R1/8" to R1"
Ø4 - Ø28 / G1/8" to G1"



p. 181

NICKEL-PLATED BRASS

Materials: Nickel-plated brass
Pressure: 60 Bar
Temperature: from -20°C to 80°C
Range: Ø4 - Ø18 / R1/8" to R1/2"
Ø4 - Ø18 / G1/8" to G1/2"



p. 191

STAINLESS STEEL AISI 316 DIN 2353

Materials: Stainless steel AISI 316
Pressure: 100 - 630 Bar
Temperature: from -60°C to 400°C
Range: Ø4 - Ø16 / R1/8" to R1/2"
Ø6 - Ø16 / G1/8" to G3/4"

drawings and technical data are not binding & can be changed without notice

COMPRESSION FITTINGS
YELLOW BRASS

PLUS

SUITABLE FOR MULTIPLE PNEUMATIC AND HYDRAILIC APPLICATIONS AT MEDIUM PRESSURE

EXCELLENT HOLD ON THE TUBE THANKS TO THE GRIPPING OF THE FITTING ON THE TUBE

RESISTANT TO VIBRATIONS AND TO WATER HAMMERS

HIGH STRENGHT STRUCTURE TO GUARANTEE EXCELLENT DURABILITY OVER TIME WITH EXCELLENT PERFOMANCE

Range from **Ø4 TO Ø28mm**



p. 170 / **3400**



p. 171 / **3422**



p. 171 / **3430**



p. 172 / **3440**



p. 172 / **3442**



p. 173 / **3460**



p. 173 / **3465**



p. 174 / **3480**



p. 174 / **3490**



p. 174 / **3500**



p. 175 / **3510**



p. 175 / **3520**



p. 175 / **3530**



p. 176 / **3540**



p. 176 / **3560**



p. 177 / **3572**



p. 177 / **3467**



p. 178 / **3468**



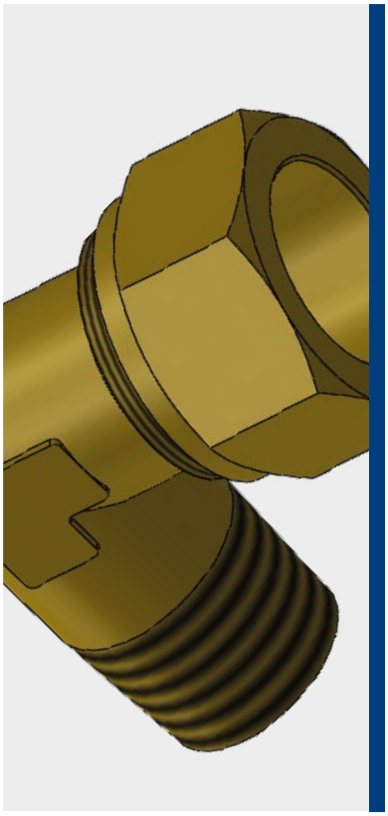
p. 178 / **ASR**



p. 179 / **ASR-HH**



p. 179 / **ASR-PU**



0°C ÷ +80°C

Working pressure:
form 60 to 100 Bar

For each size, the pressure is a function of the tube quality, condition, thickness and maximum using temperature. Mechanical constraints reduce the level of pressure application.

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1"
- Parallel gas BSPP ISO 228 from G1/8" to G1"

Metal tubes: brass, copper
Plastic tubes: push-lock hoses ASR, ASR-HH and ASR-PU used with fittings 3467 and 3468

Body: Turning - yellow brass
UNI EN 12164 CW 614N

Hot forging & machining - yellow brass
UNI EN12165 CW 617N

Lock nut: Yellow brass
UNI EN 12164 CW 614N

Ogive: Yellow brass
UNI EN 12164 CW 614N

Seal: Metal-nitrile

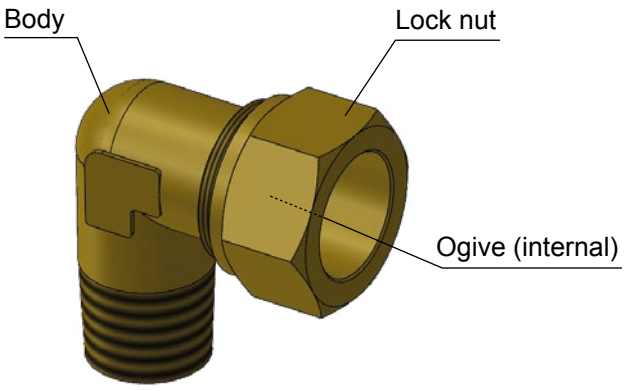
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

ASSEMBLY INSTRUCTIONS FOR HARD TUBES

- Cut the tube and remove the internal and external burrs
- Insert the nut into the tube and lubricate the thread
- Assemble the ogive on the final part of the tube
- Push the tube into the fitting until it stops
- Thanks to the ogive grip it is possible to screw the lubricated nut until the tube is fixed

CONSTRUCTION DETAILS



TIGHTENING TORQUE

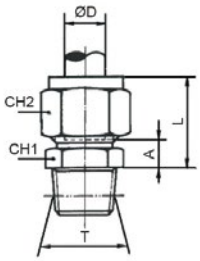
LOCK NUT FOR HARD TUBES

Ø TUBE	4	6	8	10	12	14	16	18	20	22	28
Nm	7,8	15,7	15,7	18,5	29,4	34,3	49	58,8	58,8	68,6	88,2

3400

Male connector BSPT thread



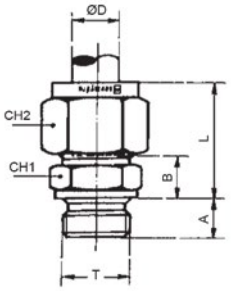


CODE	ØD	T	A	L	CH1	CH2	g
3400TR184	4	R 1/8"	7,0	17,0	10	10	13,0
3400TR144		R 1/4"	9,5	20,0	14	10	-
3400TR186	6	R 1/8"	7,5	18,0	11	13	18,0
3400TR146		R 1/4"	7,5	18,0	14	13	25,0
3400TR386		R 3/8"	8,5	19,0	17	13	-
3400TR188	8	R 1/8"	7,0	19,5	13	14	22,0
3400TR148		R 1/4"	7,0	19,5	14	14	27,0
3400TR388		R 3/8"	8,0	20,5	17	14	33,0
3400TR1810	10	R 1/8"	9,0	24,0	17	19	-
3400TR1410		R 1/4"	9,0	24,0	17	19	48,0
3400TR3810		R 3/8"	9,0	24,0	17	19	49,0
3400TR1210		R 1/2"	10,0	25,0	22	19	67,0
3400TR1412	12	R 1/4"	9,0	24,0	19	22	57,5
3400TR3812		R 3/8"	9,0	24,0	19	22	-
3400TR1212		R 1/2"	10,0	25,0	22	22	-
3400TR1414	14	R 1/4"	10,5	26,0	22	24	-
3400TR3814		R 3/8"	8,0	25,0	22	24	70,0
3400TR1214		R 1/2"	9,0	26,0	22	24	80,0
3400TR1216	16	R 1/2"	9,5	27,0	24	27	101,0
3400TR3416		R 3/4"	10,5	28,0	27	27	-
3400TR1218	18	R 1/2"	10,5	30,0	27	30	132,0
3400TR3418		R 3/4"	10,5	30,0	27	30	143,0
3400TR1220	20	R 1/2"	11,0	32,0	30	32	-
3400TR1222	22	R 1/2"	11,0	33,0	32	36	187,0
3400TR3422		R 3/4"	11,0	33,0	32	36	195,0
3400TR122		R 1"	11,0	33,0	36	36	225,0

3422

Male connector BSPP thread with seal



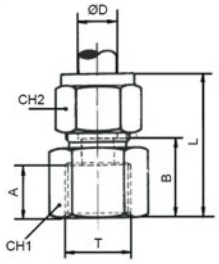


CODE	ØD	T	A	B	L	CH1	CH2	g
3422TR184	4	G 1/8"	6,5	8,0	16,5	13	10	-
3422TR186	6	G 1/8"	6,5	8,5	18,0	13	13	-
3422TR146		G 1/4"	8,0	9,5	18,0	17	13	-
3422TR188	8	G 1/8"	6,5	8,5	19,0	13	14	-
3422TR148		G 1/4"	8,0	9,0	19,5	17	14	-
3422TR388		G 3/8"	10,8	11,0	24,5	22	14	-
3422TR1410	10	G 1/4"	8,0	11,0	24,0	17	19	47,5
3422TR3810		G 3/8"	11,0	11,5	24,0	22	19	65,5
3422TR1412	12	G 1/4"	8,0	11,0	24,0	19	22	59,5
3422TR3814	14	G 3/8"	11,0	10,5	25,0	22	24	-
3422TR1214		G 1/2"	12,0	11,0	25,0	27	24	97,0
3422TR3816	16	G 3/8"	11,0	12,0	27,0	22	27	-
3422TR1216		G 1/2"	12,0	12,5	27,0	27	27	-
3422TR1218	18	G 3/8"	12,0	12,5	29,5	27	30	-
3422TR3418		G 3/4"	13,0	13,0	29,5	32	30	-
3422TR3422	22	G 3/4"	13,0	13,0	32,0	32	36	-
3422TR122		G 1"	15,0	13,5	32,0	41	36	-
3422TR128	28	G 1"	15,0	13,5	35,5	41	42	-

3430

Female connector BSPP thread

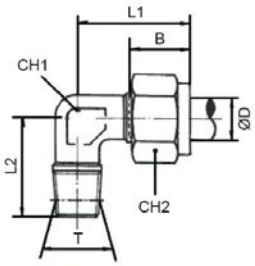




CODE	ØD	T	A	B	L	CH1	CH2	g
3430TR184	4	G 1/8"	9,5	16,5	26	14	10	-
3430TR144		G 1/4"	13,5	20,5	30	17	10	-
3430TR186	6	G 1/8"	9,5	17,0	28	14	13	26,0
3430TR146		G 1/4"	13,5	21,0	32	17	13	35,0
3430TR188	8	G 1/8"	9,5	16,5	29	14	14	28,0
3430TR148		G 1/4"	13,5	20,5	33	17	14	36,0
3430TR388		G 3/8"	14,0	21,0	34	22	14	53,0
3430TR1410	10	G 1/4"	13,5	21,5	37	17	19	52,0
3430TR3810		G 3/8"	14,0	22,0	37	22	19	70,0
3430TR1210		G 1/2"	18,5	26,5	42	27	19	102,0
3430TR3814	14	G 3/8"	14,0	21,0	38	22	24	82,0
3430TR1214		G 1/2"	18,5	25,5	43	27	24	113,0
3430TR1216	16	G 1/2"	18,5	26,0	44	27	27	-
3430TR1218	18	G 1/2"	18,5	26,0	45	27	30	147,0
3430TR3418		G 3/4"	19,5	27,0	46	32	30	169,0
3430TR3422	22	G 3/4"	19,5	26,5	48	32	36	205,0

3440 Male elbow BSPT thread

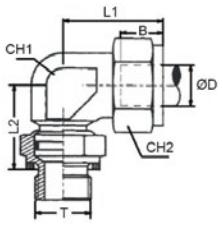




CODE	ØD	T	B	L1	L2	CH1	CH2	g
3440TR184	4	R 1/8"	12,0	19,0	17,0	8	10	-
3440TR144		R 1/4"	12,0	19,0	20,0	10	10	-
3440TR186	6	R 1/8"	13,0	22,0	18,0	8	13	22,0
3440TR146		R 1/4"	13,0	22,0	21,5	10	13	31,0
3440TR188	8	R 1/8"	15,0	28,0	18,5	10	14	29,0
3440TR148		R 1/4"	15,0	28,0	22,0	10	14	34,0
3440TR388		R 3/8"	15,0	28,0	24,0	12	14	45,0
3440TR1410	10	R 1/4"	17,0	30,0	25,0	12	19	53,0
3440TR3810		R 3/8"	17,0	30,0	25,5	12	19	62,0
3440TR1210		R 1/2"	17,0	36,0	32,0	19	19	107,0
3440TR1412	12	R 1/4"	18,0	30,0	26,0	15	22	-
3440TR3812		R 3/8"	18,0	30,0	27,0	15	22	-
3440TR1212		R 1/2"	18,0	36,0	32,0	19	22	-
3440TR3814	14	R 3/8"	18,0	35,0	30,0	19	24	105,0
3440TR1214		R 1/2"	18,0	35,0	32,0	19	24	109,0
3440TR3816	16	R 3/8"	21,0	39,0	30,0	19	27	-
3440TR1216		R 1/2"	21,0	39,0	33,5	19	27	135,0
3440TR3416		R 3/4"	21,0	41,0	36,5	23	27	-
3440TR1218	18	R 1/2"	21,5	41,0	35,5	23	30	176,0
3440TR3418		R 3/4"	21,5	41,0	36,5	23	30	203,0
3440TR3420	20	R 3/4"	21,5	42,0	38,0	23	32	-
3440TR3422	22	R 3/4"	25,0	50,0	40,0	27	36	296,0
3440TR122		R 1"	25,0	50,0	44,0	27	36	324,0

3442 Swivel male elbow BSPP thread with seal



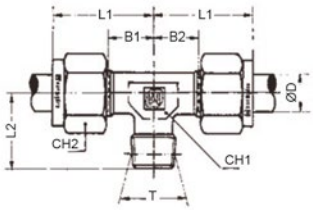


CODE	ØD	T	B	L1	L2	CH1	CH2	g
3442TR184	4	G 1/8"	12,0	19,0	16,0	8	10	21,5
3442TR144		G 1/4"	12,0	19,0	22,0	10	10	-
3442TR186	6	G 1/8"	13,0	22,0	16,0	8	13	23,0
3442TR146		G 1/4"	13,0	22,0	22,0	10	13	31,0
3442TR188	8	G 1/8"	15,0	28,0	18,5	10	14	29,0
3442TR148		G 1/4"	15,0	28,0	22,0	10	14	34,0
3442TR388		G 3/8"	15,0	28,0	24,0	12	14	43,0
3442TR1410	10	G 1/4"	17,0	30,0	22,0	12	19	53,0
3442TR3810		G 3/8"	17,0	30,0	24,0	12	19	64,0
3442TR1210		G 1/2"	17,0	30,0	29,5	19	19	102,0
3442TR3814	14	G 3/8"	18,0	35,0	25,0	19	24	105,0
3442TR1214		G 1/2"	18,0	35,0	29,5	19	24	108,0
3442TR1218	18	G 1/2"	21,0	41,0	30,5	23	30	174,0
3442TR3418		G 3/4"	21,5	41,0	32,8	23	30	202,0
3442TR122	22	G 1"	25,0	50,0	43,5	27	36	323,0
3442TR128	28	G 1"	30,0	54,0	43,5	32	42	-

drawings and technical data are not binding & can be changed without notice

3460 Male tee BSPT thread

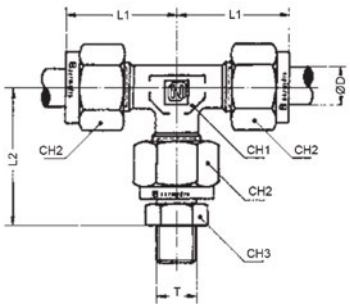




CODE	ØD	T	B1	B2	L1	L2	CH1	CH2	g
3460TR184	4	R 1/8"	9,5	9,5	19,0	17,0	8	10	-
3460TR185	5	R 1/8"	11,0	11,0	21,0	17,5	8	12	-
3460TR186	6	R 1/8"	11,0	11,0	22,0	18,0	8	13	-
3460TR146		R 1/4"	16,0	16,0	27,0	21,5	10	13	-
3460TR188	8	R 1/8"	15,0	15,0	28,0	18,5	10	14	-
3460TR148		R 1/4"	15,0	15,0	28,0	22,0	10	14	-
3460TR1410	10	R 1/4"	14,5	14,5	30,0	25,0	12	19	-
3460TR3810		R 3/8"	14,5	14,5	30,0	25,5	12	19	-
3460TR3812	12	R 3/8"	15,0	15,0	30,0	27,0	15	22	-
3460TR3814	14	R 3/8"	18,0	18,0	35,0	30,0	19	24	-
3460TR1214		R 1/2"	18,0	18,0	35,0	32,0	19	24	-
3460TR3815	15	R 3/8"	18,0	18,0	35,0	30,0	19	24	-
3460TR1215		R 1/2"	18,0	18,0	35,0	32,0	19	24	-
3460TR3816	16	R 3/8"	21,0	21,0	39,0	30,0	19	27	-
3460TR1216		R 1/2"	21,0	21,0	39,0	33,5	19	27	-

3465 Swivel male tee BSPP thread

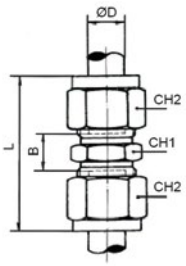




CODE	ØD	T	L1	L2	CH1	CH2	CH3	g
3465TR184	4	G 1/8"	19,0	25,0	8	10	13	-
3465TR144		G 1/4"	19,0	27,0	8	10	17	-
3465TR186	6	G 1/8"	22,0	28,0	8	13	13	-
3465TR146		G 1/4"	22,0	30,0	8	13	17	-
3465TR188	8	G 1/8"	28,0	34,0	10	14	13	-
3465TR148		G 1/4"	28,0	36,0	10	14	17	-
3465TR1410	10	G 1/4"	30,0	38,0	12	19	17	-
3465TR3810		G 3/8"	30,0	38,5	12	19	22	-
3465TR3814	14	G 3/8"	35,0	43,5	19	24	22	-
3465TR1214		G 1/2"	35,0	44,5	19	24	27	-
3465TR1218	18	G 1/2"	41,0	50,5	23	30	27	-
3465TR3418		G 3/4"	41,0	51,5	23	30	32	-
3465TR3422	22	G 3/4"	50,0	60,5	27	36	32	-
3465TR122		G 1"	50,0	61,0	27	36	41	-
3465TR128	28	G 1"	55,0	66,0	32	42	41	-

3480 Union connector

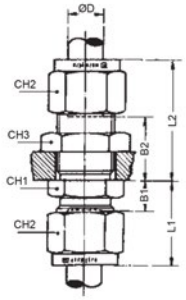




CODE	ØD	B	L	CH1	CH2	g
3480TR4	4	10,0	28,0	10	10	-
3480TR6	6	11,0	32,0	11	13	19,0
3480TR8	8	10,0	36,0	13	14	28,0
3480TR10	10	13,0	42,0	17	19	69,0
3480TR12	12	13,0	42,0	19	22	-
3480TR14	14	11,0	45,0	22	24	151,0
3480TR16	16	13,0	48,0	24	27	180,0
3480TR18	18	14,0	53,0	27	30	201,0
3480TR22	22	14,0	60,0	32	36	225,0
3480TR28	28	14,0	64,0	42	41	-

3490 Bulkhead connector

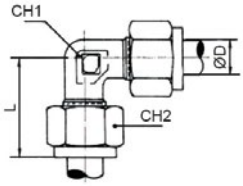




CODE	ØD	T	B1	B2	L1	L2	CH1	CH2	CH3	g
3490TR4	4	M8x1	7,0	17,0	17,0	27,0	10	10	13	-
3490TR6	6	M10x1	7,5	17,5	19,0	28,0	13	13	14	-
3490TR8	8	M12x1	7,0	17,0	20,0	29,0	14	14	17	-
3490TR10	10	M16x1,5	9,0	19,0	25,0	33,0	19	19	22	-
3490TR12	12	M18x1,5	9,0	19,0	25,0	33,0	22	22	22	-
3490TR14	14	M20x1,5	8,0	18,0	25,0	35,0	24	24	24	-
3490TR18	18	M24x1,5	10,5	20,5	30,0	40,0	27	30	30	-
3490TR22	22	M30x1,5	11,0	21,0	32,0	42,0	36	36	36	-
3490TR28	28	M36x1,5	19,0	30,0	40,0	52,0	42	42	42	-

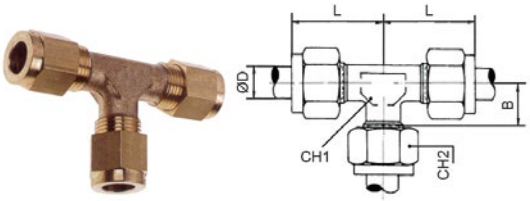
3500 Union elbow





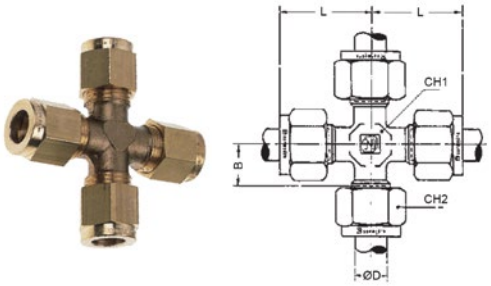
CODE	ØD	L	CH1	CH2	g
3500TR4	4	19,0	5	10	-
3500TR6	6	22,0	8	13	26,0
3500TR8	8	28,0	10	14	34,0
3500TR10	10	30,0	12	19	74,0
3500TR12	12	30,0	15	22	-
3500TR14	14	35,0	19	24	156,0
3500TR16	16	39,0	19	27	190,0
3500TR18	18	41,0	23	30	232,0
3500TR20	20	42,0	23	32	-
3500TR22	22	50,0	27	36	254,0
3500TR28	28	54,5	32	42	-

3510 Union tee



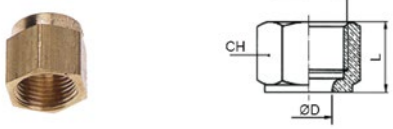
CODE	ØD	B	L	CH1	CH2	g
3510TR4	4	9,5	19,0	8	10	-
3510TR6	6	11,0	22,0	8	13	33,0
3510TR8	8	15,0	28,0	10	14	45,0
3510TR10	10	14,5	30,0	12	19	105,0
3510TR12	12	15,0	30,0	15	22	-
3510TR14	14	18,0	35,0	19	24	230,0
3510TR16	16	21,0	39,0	19	27	275,0
3510TR18	18	21,5	41,0	23	30	333,0
3510TR20	20	21,5	42,0	23	32	-
3510TR22	22	29,0	50,0	27	36	364,0
3510TR28	28	30,0	55,0	32	42	-

3520 Union cross



CODE	ØD	B	L	CH1	CH2	g
3520TR6	6	11,0	22,0	8	12	-
3520TR8	8	15,0	28,0	11	14	-
3520TR10	10	15,0	30,0	14	19	-
3520TR12	12	15,0	30,0	15	22	-
3520TR14	14	18,0	35,0	20	24	-
3520TR16	16	21,0	39,0	20	27	-
3520TR18	18	21,5	41,0	25	30	-
3520TR20	20	21,5	42,0	25	32	-
3520TR22	22	29,0	50,0	27	36	-

3530 Locking nut

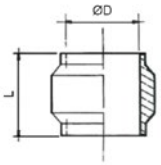


CODE	ØD	T	L	CH	g
3530TR4	4	M8X1	11,0	10	-
3530TR6	6	M10X1	11,0	13	5,4
3530TR8	8	M12X1	13,0	14	7,0
3530TR10	10	M16X1,5	15,0	19	18,2
3530TR12	12	M18X1,5	15,0	22	-
3530TR14	14	M20X1,5	15,0	24	44,3
3530TR16	16	M22X1,5	17,0	27	55,6
3530TR18	18	M24X1,5	18,0	30	64,2
3530TR20	20	M27X1,5	18,0	32	-
3530TR22	22	M30X1,5	19,0	36	76,3
3530TR28	28	M36X1,5	21,0	42	-

drawings and technical data are not binding & can be changed without notice

3540 Ogive

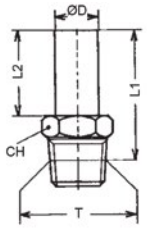




CODE	ØD	L	g
3540TR4	4	6,0	-
3540TR6	6	6,5	0,82
3540TR8	8	7,0	1,12
3540TR10	10	8,0	3,30
3540TR12	12	8,0	4,0
3540TR14	14	8,5	4,42
3540TR16	16	9,0	5,00
3540TR18	18	9,5	5,90
3540TR20	20	11,0	-
3540TR22	22	11,0	7,10
3540TR28	28	12,0	-

3560 Male adapter BSPT thread



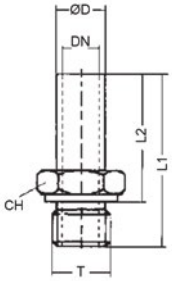


CODE	ØD	T	L1	L2	CH	g
3560TR186	6	R 1/8"	26,5	15	11	8,0
3560TR146		R 1/4"	31	15	14	-
3560TR188	8	R 1/8"	28,5	17	11	-
3560TR148		R 1/4"	33	17	14	-
3560TR388		R 3/8"	33,7	17	17	-
3560TR1410	10	R 1/4"	36	20	14	-
3560TR3810		R 3/8"	36,5	20	17	-
3560TR1210		R 1/2"	41	20	22	-
3560TR1412	12	R 1/4"	36	20	14	-
3560TR3812		R 3/8"	36,5	20	17	-
3560TR1212		R 1/2"	41	20	22	-
3560TR3814	14	R 3/8"	38	21,5	17	-
3560TR1214		R 1/2"	42,5	21,5	22	-
3560TR1216	16	R 1/2"	44	23	22	-
3560TR1218	18	R 1/2"	44,5	23,5	22	-
3560TR3418		R 3/4"	47,5	23,5	27	-
3560TR3422	22	R 3/4"	48,5	25,5	27	-

drawings and technical data are not binding & can be changed without notice

3572 Male adapter BSPP thread

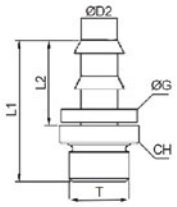




CODE	ØD	T	DN	L1	L2	CH	g
3572TR184	4	G 1/8"	2	25,5	19	13	-
3572TR186	6	G 1/8"	4	26,5	20	13	-
3572TR146		G 1/4"	4	30	22	17	22,0
3572TR188	8	G 1/8"	6	28,5	22	13	-
3572TR1410	10	G 1/4"	8	35	27	17	-
3572TR3810		G 3/8"	8	38,5	27,5	22	-
3572TR1210		G 1/2"	8	40,5	28,5	27	-
3572TR3814	14	G 3/8"	11	40	29	22	-
3572TR1214		G 1/2"	12	42	30	27	-
3572TR1218	18	G 1/2"	14	44	32	27	-
3572TR3418		G 3/4"	16	46	33	32	-
3572TR3422	22	G 3/4"	20	48	35	32	-
3572TR122		G 1"	20	50,5	35,5	41	-
3572TR128	28	G 1"	25	55	40	41	-

3467 Male barb connector BSPP thread with metal-nitrile composite gasket





CODE	DN		T	ØD2	L1	L2	ØG	CH	g
3467TR1814	1/4"	6	G 1/8"	4,0	31,5	20,0	14,0	13	14,0
3467TR1438	3/8"	10	G 1/4"	7,5	39,1	24,1	17,0	17	27,0
3467TR3838	3/8"	10	G 3/8"	7,5	42,5	24,1	17,0	22	47,0
3467TR3812	1/2"	13	G 3/8"	10,0	46,5	28,0	20,5	22	48,0
3467TR1212	1/2"	13	G 1/2"	10,0	48,5	28,0	20,5	27	79,0
3467TR1258	5/8"	16	G 1/2"	13,5	56,5	36,5	24,0	27	73,0
3467TR3434	3/4"	20	G 3/4"	16,0	65,3	43,0	27,0	32	123,0

3467: For use with our ASR, ASR-HH and ASR-PU tubes

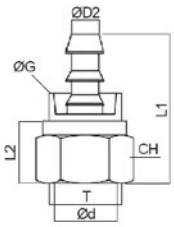


2605 Metal-nitrile composite gasket

CODE	2605TR18	2605TR14	2605TR38	2605TR12	2605TR34	2605TR1
THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"

3468 Swivel female barb connector metric thread





CODE	DN		T	ØD2	Ød	L1	L2	ØG	CH	g
3468TRM1014	1/4"	6	M10x1	4,0	6	33,5	11,0	14,0	13	17,0
3468TRM1214	1/4"	6	M12x1	4,8	8	34,5	13,0	14,0	14	18,0
3468TRM1614	1/4"	6	M16x1,5	4,8	10	35,8	15,0	14,0	19	33,0
3468TRM1638	3/8"	10	M16x1,5	7,5	10	39,3	15,0	17,0	19	35,0
3468TRM2038	3/8"	10	M20x1,5	7,5	14	39,3	15,0	17,0	24	52,0
3468TRM2012	1/2"	13	M20x1,5	10,0	14	44,0	15,0	20,5	24	56,0
3468TRM2212	1/2"	13	M22x1,5	10,0	16	45,0	17,0	20,5	27	77,0
3468TRM2412	1/2"	13	M24x1,5	10,0	18	47,0	18,0	20,5	30	99,0
3468TRM2458	5/8"	16	M24x1,5	13,5	18	55,0	18,0	24,0	30	97,0
3468TRM3034	3/4"	20	M30x1,5	16,0	22	62,0	18,5	27,0	36	137,0
3468TRRM361	1"	25	M36x1,5	22,0	28	71,3	21,0	36,5	42	249,0

The barb connector 3468 can be combined with our yellow brass compression fittings range.
Refer to Ød in order to chose the right combination.

3468: For use with our ASR, ASR-HH and ASR-PU tubes

ASR Push-lock hose ASR



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX WORKING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (m)
ASR06	1/4"	6	6,5 +0,4 -0,3	12,0 - 13,0	45	16	140	40
ASR10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	16	170	40
ASR13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	16	260	40
ASR16	5/8"	16	16,0 +0,7 -0,3	23,4 - 25,0	115	16	340	40
ASR20	3/4"	20	19,3 ±0,5	26,0 - 28,0	135	16	420	40
ASR25	1"	25	25,6 ±0,5	34,0 - 36,0	165	16	640	40

✱ **Blue, Red and Green:** available on demand and min. quantity

DN		Black	✱ Blue	✱ Red	✱ Green
1/4"	6	ASR06NE	ASR06BL	ASR06RO	ASR06VD
3/8"	10	ASR10NE	ASR10BL	ASR10RO	ASR10VD
1/2"	13	ASR13NE	ASR13BL	ASR13RO	ASR13VD
5/8"	16	ASR16NE	ASR16BL	ASR16RO	ASR16VD
3/4"	20	ASR20NE	ASR20BL	ASR20RO	ASR20VD
1"	25	ASR25NE	ASR25BL	ASR25RO	ASR25VD

Full technical data sheet available on page 769

drawings and technical data are not binding & can be changed without notice

ASR-HH

Push-lock hose ASR-HH



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX WORKING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (m)
ASR-HH06	1/4"	6	6,5 +0,4 -0,3	12,0 - 13,0	45	14	125	40
ASR-HH10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	14	150	40
ASR-HH13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	14	235	40
ASR-HH16	5/8"	16	16,0 +0,7 -0,3	23,4 - 25,0	115	14	350	40

✱ available on demand and min. quantity

DN		Blue	Red
1/4"	6	✱ ASR-HH06BL	ASR-HH06RO
3/8"	10	ASR-HH10BL	ASR-HH10RO
1/2"	13	ASR-HH13BL	ASR-HH13RO
5/8"	16	ASR-HH16BL	ASR-HH16RO

Full technical data sheet available on page 770

ASR-PU

Push-lock hose ASR-PU



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 20°C (Bar)	NEGATIVE PRESSURE (Bar)	g/m
ASR-PU06	1/4"	6	6,4	13	25	13	0,8	110
ASR-PU10	3/8"	10	9,5	16	60	13	0,8	154
ASR-PU13	1/2"	13	12,5	19	75	13	0,8	218
ASR-PU16	5/8"	16	16,5	23	125	12	0,8	280
ASR-PU20	3/4"	20	19,5	27	150	10	0,8	325

✱ **Light blue, Red and Green:** available on demand and min. quantity

DN		Black	✱ Light blue	✱ Red	✱ Green
1/4"	6	ASR-PU06NE	ASR-PU06AZ	ASR-PU06RO	ASR-PU06VD
3/8"	10	ASR-PU10NE	ASR-PU10AZ	ASR-PU10RO	ASR-PU10VD
1/2"	13	ASR-PU13NE	ASR-PU13AZ	ASR-PU13RO	ASR-PU13VD
5/8"	16	ASR-PU16NE	ASR-PU16AZ	ASR-PU16RO	ASR-PU16VD
3/4"	20	ASR-PU20NE	ASR-PU20AZ	ASR-PU20RO	ASR-PU20VD

Full technical data sheet available on page 771

drawings and technical data are not binding & can be changed without notice



COMPRESSION FITTINGS
NICKEL-PLATED BRASS

PLUS

EXCELLENT GRIPPING SYSTEM THANKS TO THE COMPRESSION OF THE TUBE ON THE OGIVE RING

RESISTANT TO VIBRATIONS AND TO WATER HAMMERS

SUITABLE WITH AIR AND OIL

POSSIBILITY TO CONNECT TUBES OF DIFFERENT MATERIALS, EVEN PLASTICS, THANKS TO THE INTERNAL SUPPORT BUSH



p. 184 / **3100**



p. 184 / **3120**



p. 185 / **3130**



p. 185 / **3140**



p. 186 / **3150**



p. 186 / **3160**



p. 186 / **3170**



p. 187 / **3180**



p. 187 / **3190**



p. 187 / **3200**



p. 188 / **3210**



p. 188 / **3230**



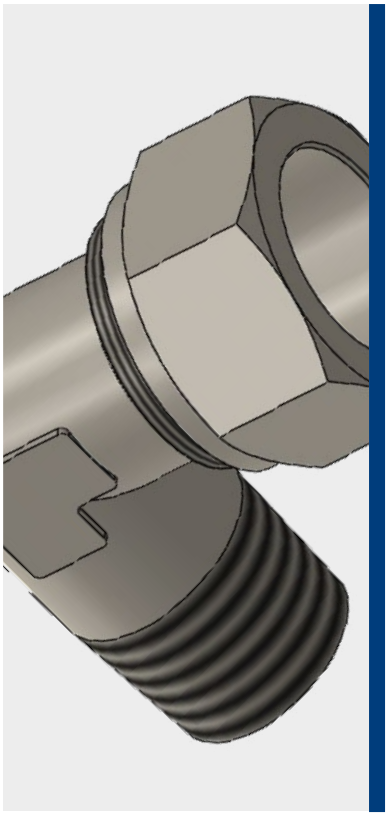
p. 188 / **3240**



p. 189 / **3250**



p. 189 / **1176**



-20°C ÷ +80°C
The working temperature is determined by the features of the tube used

Working pressure:
Up to 60 Bar
The max working pressure is determined by the features of the tube used

Compressed air, oil and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"

Metal tubes: brass, copper, stainless steel and aluminum
Plastic tubes: using support bush 3250: Polyethylene PE, Polyamide PA, PTFE, FEP (3250)

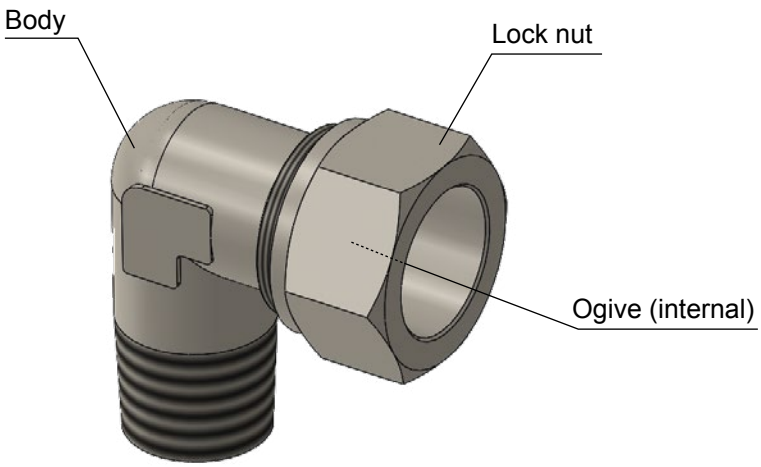
Body: Turning - nickel-plated brass UNI EN 12164 CW614N
Hot forging & machining - nickel-plated brass UNI EN12165 CW617N
Lock nut: Nickel-plated brass UNI EN 12164 CW614N
Ogive: Yellow brass UNI EN 12164 CW 614N

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	8	12	14	16

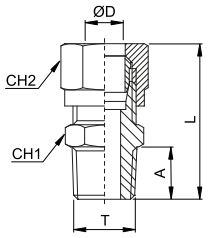
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	5	8	10	12

drawings and technical data are not binding & can be changed without notice

3100 Male connector BSPT thread

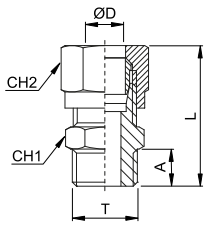




CODE	ØD	T	A	L	CH1	CH2	g
3100TR184	4	R 1/8"	8,0	27,0	10	10	12,0
3100TR186	6	R 1/8"	8,0	28,0	12	12	16,0
3100TR146		R 1/4"	11,0	32,5	14	12	24,0
3100TR188	8	R 1/8"	8,0	29,5	12	14	18,0
3100TR148		R 1/4"	11,0	33,0	14	14	24,0
3100TR388		R 3/8"	11,5	33,0	17	14	36,0
3100TR1410	10	R 1/4"	11,0	37,5	17	19	44,0
3100TR3810		R 3/8"	11,5	38,0	17	19	50,0
3100TR1210		R 1/2"	14,0	40,5	22	19	74,0
3100TR3812	12	R 3/8"	11,5	39,0	19	22	58,0
3100TR1212		R 1/2"	14,0	41,0	22	22	78,0
3100TR1214	14	R 1/2"	14,0	42,5	22	27	102,0
3100TR1215	15	R 1/2"	14,0	42,5	22	27	96,0
3100TR1216	16	R 1/2"	14,0	42,0	24	30	112,0
3100TR1218	18	R 1/2"	14,0	43,0	26	32	126,0

3120 Male connector BSPP thread

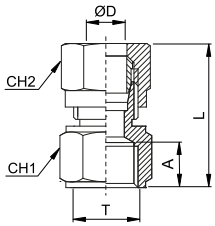




CODE	ØD	T	A	L	CH1	CH2	g
3120TR184	4	G 1/8"	6,0	25,0	14	10	16,0
3120TR186	6	G 1/8"	6,0	26,0	14	12	16,0
3120TR146		G 1/4"	8,0	29,5	17	12	24,0
3120TR188	8	G 1/8"	6,0	27,5	14	14	18,0
3120TR148		G 1/4"	8,0	30,0	17	14	28,0
3120TR388		G 3/8"	9,0	30,5	19	14	34,0
3120TR1410	10	G 1/4"	8,0	34,5	17	19	44,0
3120TR3810		G 3/8"	9,0	36,0	19	19	50,0

3130 Female connector BSPP thread

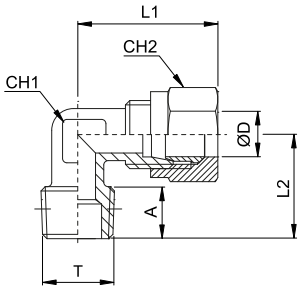




CODE	ØD	T	A	L	CH1	CH2	g
3130TR184	4	G 1/8"	8,0	24,5	14	10	16,0
3130TR186	6	G 1/8"	8,0	26,0	14	12	17,0
3130TR146		G 1/4"	11,0	30,5	17	12	26,0
3130TR188	8	G 1/8"	8,0	26,5	14	14	20,0
3130TR148		G 1/4"	11,0	31,0	17	14	28,0
3130TR388		G 3/8"	11,5	31,0	20	14	32,0
3130TR1410	10	G 1/4"	11,0	35,5	17	19	46,0
3130TR3810		G 3/8"	11,5	36,5	20	19	50,0
3130TR3812	12	G 3/8"	11,5	37,0	20	22	58,0
3130TR1212		G 1/2"	15,0	38,5	24	22	70,0
3130TR1214	14	G 1/2"	15,0	40,0	24	27	98,0
3130TR1215	15	G 1/2"	15,0	40,5	24	27	94,0
3130TR1216	16	G 1/2"	16,0	41,5	24	30	110,0
3130TR1218	18	G 1/2"	16,0	43,0	24	32	134,0

3140 Male elbow BSPT thread

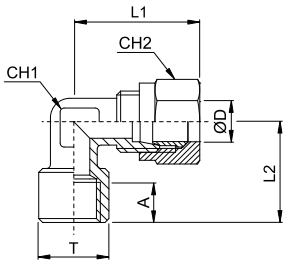




CODE	ØD	T	A	L1	L2	CH1	CH2	g
3140TR184	4	R 1/8"	8,0	21,0	16,0	9	10	14,0
3140TR186	6	R 1/8"	8,0	22,0	16,0	9	12	16,0
3140TR146		R 1/4"	11,0	24,5	20,0	11	12	24,0
3140TR188	8	R 1/8"	8,0	24,0	17,0	11	14	22,0
3140TR148		R 1/4"	11,0	24,0	20,0	11	14	26,0
3140TR388		R 3/8"	11,5	27,0	24,0	13	14	36,0
3140TR1410	10	R 1/4"	11,0	32,0	23,5	13	19	48,0
3140TR3810		R 3/8"	11,5	32,0	24,0	13	19	52,0
3140TR1210		R 1/2"	14,0	34,0	28,5	15	19	66,0
3140TR3812	12	R 3/8"	11,5	34,5	25,5	15	22	69,0
3140TR1212		R 1/2"	14,0	34,5	28,5	15	22	74,0
3140TR1214	14	R 1/2"	14,0	38,0	30,0	17	27	106,0
3140TR1215	15	R 1/2"	14,0	38,0	30,0	17	27	100,0
3140TR1216	16	R 1/2"	14,0	39,5	31,5	19	30	124,0
3140TR1218	18	R 1/2"	14,0	44,0	34,0	22	32	156,0

3150 Female elbow BSPP thread

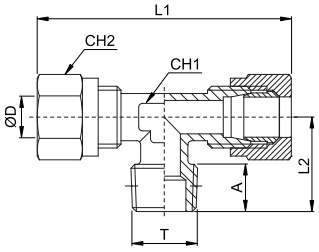




CODE	ØD	T	A	L1	L2	CH1	CH2	g
3150TR184	4	G 1/8"	8,0	22,0	20,0	9	10	18,0
3150TR186	6	G 1/8"	8,0	24,0	20,0	9	12	20,0
3150TR146		G 1/4"	11,0	27,0	25,5	13	12	39,0
3150TR188	8	G 1/8"	8,0	24,0	20,0	11	14	26,0
3150TR148		G 1/4"	11,0	27,5	25,5	13	14	40,0

3160 Male tee BSPT thread

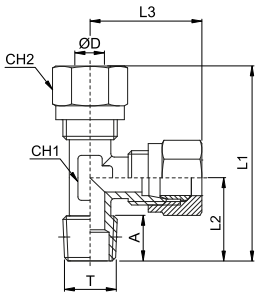




CODE	ØD	T	A	L1	L2	CH1	CH2	g
3160TR184	4	R 1/8"	8,0	42,0	16,0	9	10	22,0
3160TR186	6	R 1/8"	8,0	46,0	16,0	9	12	26,0
3160TR146		R 1/4"	11,0	48,0	20,0	11	12	34,0
3160TR188	8	R 1/8"	8,0	48,0	17,0	11	14	34,0
3160TR148		R 1/4"	11,0	48,0	20,0	11	14	38,0
3160TR388		R 3/8"	11,5	54,0	24,0	13	14	52,0
3160TR1410	10	R 1/4"	11,0	64,0	23,5	13	19	80,0
3160TR3810		R 3/8"	11,5	64,0	24,0	13	19	84,0
3160TR3812	12	R 3/8"	11,5	69,0	25,5	15	22	108,0
3160TR1212		R 1/2"	14,0	69,0	28,5	15	22	118,0
3160TR1214	14	R 1/2"	14,0	76,0	30,0	17	27	176,0
3160TR1215	15	R 1/2"	14,0	76,0	30,0	17	27	170,0
3160TR1216	16	R 1/2"	14,0	79,0	31,5	19	30	212,0
3160TR1218	18	R 1/2"	14,0	88,0	34,0	22	32	256,0

3170 Lateral male tee BSPT thread



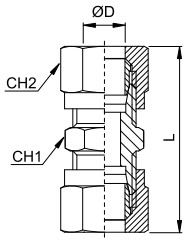


CODE	ØD	T	A	L1	L2	L3	CH1	CH2	g
3170TR184	4	R 1/8"	8,0	37,0	16,0	21,0	9	10	22,0
3170TR186	6	R 1/8"	8,0	39,0	16,0	23,0	9	10	26,0
3170TR146		R 1/4"	11,0	44,5	20,0	24,5	11	12	34,0
3170TR188	8	R 1/8"	8,0	41,0	17,0	24,0	11	14	34,0
3170TR148		R 1/4"	11,0	44,0	20,0	24,0	11	14	38,0
3170TR388		R 3/8"	11,5	51,0	24,0	27,0	13	14	52,0
3170TR1410	10	R 1/4"	11,0	55,5	23,5	32,0	13	19	80,0
3170TR3810		R 3/8"	11,5	56,0	24,0	32,0	13	19	84,0
3170TR3812	12	R 3/8"	11,5	60,0	25,5	34,5	15	22	110,0
3170TR1212		R 1/2"	14,0	63,0	28,5	34,5	15	22	118,0
3170TR1214	14	R 1/2"	14,0	68,0	30,0	38,0	17	27	176,0
3170TR1215	15	R 1/2"	14,0	68,0	30,0	38,0	17	27	170,0
3170TR1216	16	R 1/2"	14,0	71,0	31,5	39,5	19	30	210,0
3170TR1218	18	R 1/2"	14,0	78,0	34,0	44,0	22	32	256,0

drawings and technical data are not binding & can be changed without notice

3180 Union connector

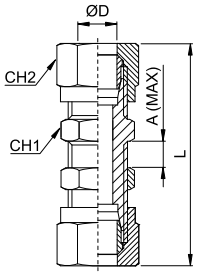




CODE	ØD	L	CH1	CH2	g
3180TR4	4	33,5	10	10	16,0
3180TR6	6	36,5	12	12	25,0
3180TR8	8	38,5	14	14	28,0
3180TR10	10	47,5	17	19	66,0
3180TR12	12	50,5	19	22	93,0
3180TR14	14	55,5	24	27	148,0
3180TR15	15	55,5	24	27	140,0
3180TR16	16	58,0	24	30	177,0
3180TR18	18	60,0	26	32	198,0

3190 Bulkhead connector

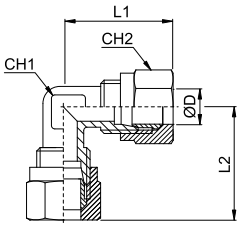




CODE	ØD	T	A MAX	L	CH1	CH2	g
3190TR6	6	M10x1	15,5	51,5	14	12	32,0
3190TR8	8	M12x1	16,5	55,5	16	14	42,0
3190TR10	10	M16x1,5	15,5	62,5	19	19	90,0
3190TR12	12	M18x1,5	16,0	64,5	22	22	116,0
3190TR14	14	M22x1,5	18,0	69,5	25	27	192,0
3190TR15	15	M22x1,5	18,0	69,5	25	27	184,0

3200 Union elbow

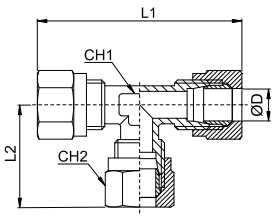




CODE	ØD	L1	L2	CH1	CH2	g
3200TR4	4	21,0	21,0	9	10	18,0
3200TR6	6	23,0	23,0	9	12	22,0
3200TR8	8	24,0	24,0	11	14	30,0
3200TR10	10	32,0	32,0	13	19	70,0
3200TR12	12	34,5	34,5	15	22	94,0
3200TR14	14	38,0	38,0	17	27	152,0
3200TR15	15	38,0	38,0	17	27	144,0
3200TR16	16	39,5	39,5	19	30	186,0
3200TR18	18	44,0	44,0	22	32	228,0

3210 Union tee

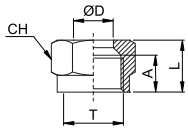




CODE	ØD	L1	L2	CH1	CH2	g
3210TR4	4	42,0	21,0	9	10	26,0
3210TR6	6	46,0	23,0	9	12	30,0
3210TR8	8	48,0	24,0	11	14	42,0
3210TR10	10	64,0	32,0	13	19	102,0
3210TR12	12	69,0	34,5	15	22	136,0
3210TR14	14	76,0	38,0	17	27	226,0
3210TR15	15	76,0	38,0	17	27	208,0
3210TR16	16	79,0	39,5	19	30	272,0
3210TR18	18	88,0	44,0	22	32	330,0

3230 Locking nut

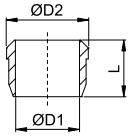




CODE	ØD	T	A	L	CH	g
3230TRM814	4	M8x1	7,5	11,0	10	4,2
3230TRM1016	6	M10x1	8,5	11,5	12	5,4
3230TRM1218	8	M12x1	9,0	12,0	14	7,0
3230TRM161510	10	M16x1,5	11,5	15,5	19	18,2
3230TRM181512	12	M18x1,5	11,5	15,5	22	25,0
3230TRM221514	14	M22x1,5	12,0	17,5	27	44,3
3230TRM221515	15	M22x1,5	12,0	17,0	27	41,1
3230TRM241516	16	M24x1,5	12,0	17,5	30	55,6
3230TRM261518	18	M26x1,5	12,5	18,5	32	64,2

3240 Ogive



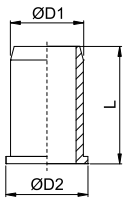


CODE	ØD1	ØD2	L	g
3240TR4	4	6	6,0	0,45
3240TR6	6	8	7,0	0,82
3240TR8	8	10	7,0	1,12
3240TR10	10	13	10,0	3,32
3240TR12	12	15	10,0	3,80
3240TR14	14	17	10,0	4,40
3240TR15	15	18	10,0	4,76
3240TR16	16	19	10,0	5,04
3240TR18	18	21	10,5	5,92

drawings and technical data are not binding & can be changed without notice

3250 Internal support bush

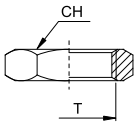




CODE	TUBE ØD	ØD1	ØD2	L	g
3250TR4	4	2,5	3,5	10,0	0,20
3250TR6	6	4,0	5,5	12,0	0,60
3250TR8	8	6,0	7,5	13,0	1,00
3250TR10	10	8,0	9,5	14,0	1,40
3250TR12	12	10,0	11,5	16,0	2,20
3250TR14	14	12,0	13,5	16,0	2,60
3250TR15	15	12,5	14,5	17,0	2,80
3250TR16	16	14,0	15,5	18,0	3,40
3250TR18	18	16,0	17,5	19,0	-

1176 Bulkhead locking nut





CODE	T	CH	g
1176TRM101	M10x1	14	3,0
1176TRM121	M12x1	16	3,8
1176TRM1615	M16x1,5	19	5,0
1176TRM1815	M18x1,5	22	7,0
1176TRM2215	M22x1,5	25	17,0



COMPRESSION FITTINGS
STAINLESS STEEL AISI 316 DIN 2353

PLUS

- **DESIGNED AND MANUFACTURED TO ACHIEVE A STRONG AND LEAK-FREE FITTING**
- **RESISTANT TO VIBRATIONS AND TO WATER HAMMERS**
- **PRODUCTS IN COMPLIANCE WITH DIN 2353**
- **SINGLE OGIVE DESIGN WITH TWO CUTTING EDGES**
- **CERTIFIED LLOYDS, DNV GL, ABS AND BUREAU VERITAS**



p. 195 / **DDMC-R**



p. 195 / **DDMC-G**



p. 196 / **DDFC-G**



p. 196 / **DDLM-R**



p. 196 / **DDU**



p. 197 / **DDBU**



p. 197 / **DDL**



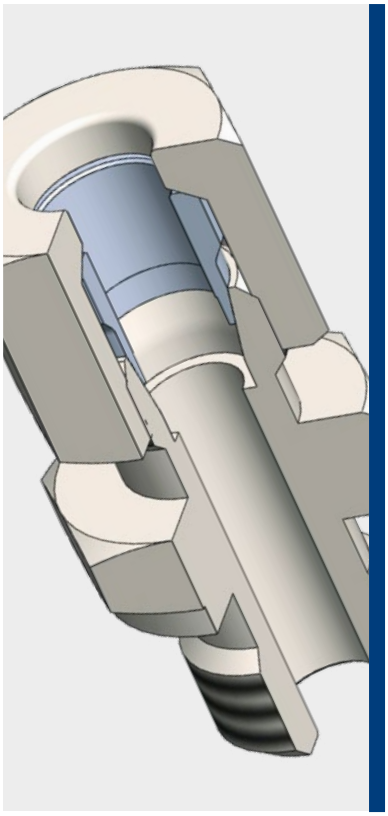
p. 197 / **DDT**



p. 197 / **DDN**



p. 198 / **DDS**



-60°C ÷ +400°C
See table below for pressure reduction according to working temperature

Working pressure:
See in the fittings table.
For pneumatic applications, the working pressure indicated in the table must be reduced by 50%.

Compressed air, oil, chemicals and aggressive fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G3/4"

Stainless steel tubes, hardened and seamless, according to DIN 2391. The tubes must be suitable for the process fluid, pressure and temperature

Body: Stainless steel AISI 316
Lock nut: Stainless steel AISI 316
Ogive: Stainless steel AISI 316 with heat treatment and annealing on the cutting ring.

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

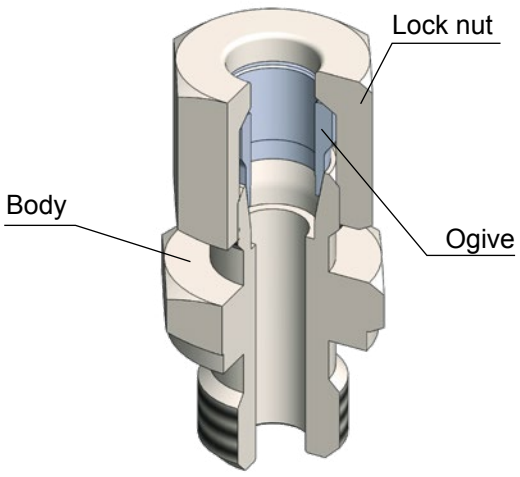
AVAILABILITY

Other fittings and sizes are available for this range, please see our website (www.inoxfit.com) and the INOX.Fit catalogue.

PRESSURE REDUCTION ACCORDING TO WORKING TEMPERATURE

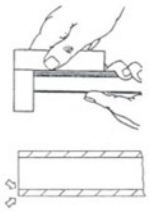
WORKING TEMPERATURE RANGE	WORKING PRESSURE REDUCTION
-60°C ÷ +20°C	-
-60°C ÷ +50°C	-4%
+100°C	-11%
+200°C	-20%
+300°C	-29%
+400°C	-33%

CONSTRUCTION DETAILS

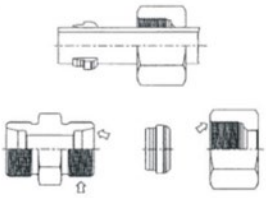


drawings and technical data are not binding & can be changed without notice

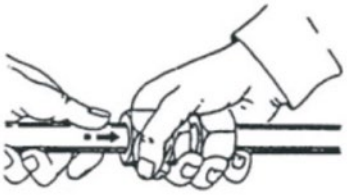
ASSEMBLY INSTRUCTIONS



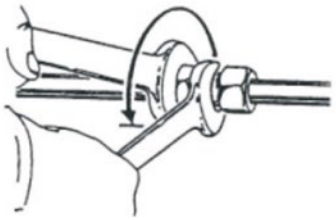
- Ensure that the tube end is cut at 90° with an angular maximum offset of +/- 1/2° in relation to the tube axis.
- After cleaning, lightly deburr tube ends at the inside and outside edge.



- Lubricate the thread and the inside part of the fitting, the ring and the thread of the nut. Don't use grease.

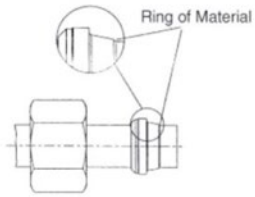


- Place nut and cutting ring on the tube. Ensure the cutting ring and nut are facing the right way.
- Manually screw the nut on to the fitting body keeping the tube completely inserted in.

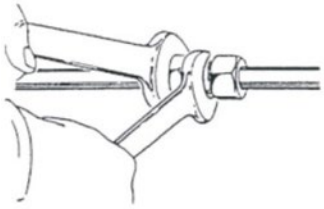


- Finally tighten the nut using a wrench for 1 and 1/2 turns by holding the fitting body with a second wrench. Never turn the fitting body, hold the body and turn the nut.

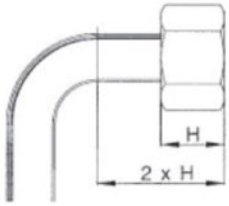
WARNING: Any deviation in the number of tighting turns reduces the maximum pressure and the service life of the fitting and may cause leakages or slipping of the tube.



- Check penetration of the cutting edge. A visible ring of material should fill the space in front of the cutting ring and face. Cutting ring may turn on tube but should not be capable of axial displacement.



- Tighten the nut again on to fitting body until completely tightened.

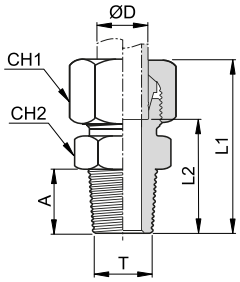


- The minimum lenght of straight tube, before any bend, has to be at least two times the height of the nut (H).

DDMC-R

Male connector BSPT thread



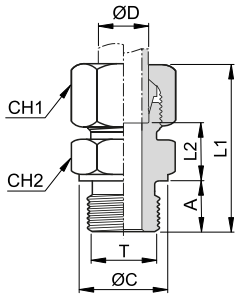


CODE	ØD	T	A	L1	L2	CH1	CH2	Bar
DDMC-04LL-01R	4	R 1/8"	8,0	26,0	16,0	10	11	100
DDMC-06L-01R	6	R 1/8"	8,0	30,0	15,0	14	12	250
DDMC-08LL-01R	8	R 1/8"	8,0	28,0	16,5	14	12	100
DDMC-08L-02R		R 1/4"	12,0	35,0	20,0	17	17	250
DDMC-10L-02R	10	R 1/4"	12,0	36,0	21,0	19	17	250
DDMC-12L-02R	12	R 1/4"	12,0	37,0	22,0	22	19	250
DDMC-12L-03R		R 3/8"	12,0	37,0	22,0	22	19	250
DDMC-12L-04R		R 1/2"	14,0	39,0	24,0	22	24	250
DDMC-15L-03R	15	R 3/8"	12,0	38,0	23,0	27	24	250
DDMC-15L-04R	15	R 1/2"	14,0	40,0	25,0	27	24	250

DDMC-G

Male connector BSPP thread



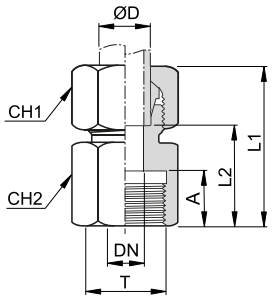


CODE	ØD	T	ØC	A	L1	L2	CH1	CH2	Bar
DDMC-06L-01G	6	G 1/8"	14,0	8,0	23,0	8,5	14	14	250
DDMC-06L-02G		G 1/4"	18,0	12,0	25,0	10,0	14	19	250
DDMC-06L-03G		G 3/8"	22,0	12,0	26,0	11,5	14	22	250
DDMC-06L-04G		G 1/2"	26,0	14,0	27,0	12,0	14	27	250
DDMC-08L-01G	8	G 1/8"	14,0	8,0	23,0	8,5	17	14	250
DDMC-08L-02G		G 1/4"	18,0	12,0	25,0	10,0	17	19	250
DDMC-08L-03G		G 3/8"	22,0	12,0	26,0	11,5	17	22	250
DDMC-08L-04G		G 1/2"	26,0	14,0	27,0	12,0	17	27	250
DDMC-10L-02G	10	G 1/4"	18,0	12,0	26,0	11,0	19	19	250
DDMC-10L-03G		G 3/8"	22,0	12,0	27,0	12,5	19	22	250
DDMC-10L-04G		G 1/2"	26,0	14,0	28,0	13,0	19	27	250
DDMC-12L-02G	12	G 1/4"	18,0	12,0	27,0	12,0	22	19	250
DDMC-12L-03G		G 3/8"	22,0	12,0	27,0	12,5	22	22	250
DDMC-12L-04G		G 1/2"	26,0	14,0	28,0	13,0	22	27	250
DDMC-12L-06G		G 3/4"	32,0	16,0	29,0	14,0	22	32	250
DDMC-15L-03G	15	G 3/8"	22,0	12,0	29,0	13,5	27	24	250
DDMC-15L-04G		G 1/2"	26,0	14,0	29,0	14,0	27	27	250
DDMC-15L-06G		G 3/4"	32,0	16,0	30,0	15,0	27	32	250
DDMC-16S-03G	16	G 3/8"	22,0	12,0	36,0	18,0	30	27	400
DDMC-16S-04G		G 1/2"	26,0	14,0	37,0	18,5	30	27	400
DDMC-16S-06G		G 3/4"	32,0	16,0	39,0	20,5	30	32	400

DDFC-G

Female connector BSPP thread



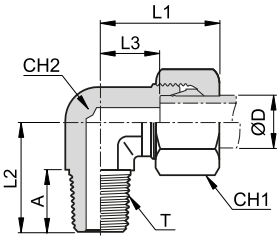


CODE	ØD	T	DN	A	L1	L2	CH1	CH2	Bar
DDFC-06L-01G	6	G 1/8"	4	12,0	34,0	19,0	14	14	250
DDFC-06S-02G		G 1/4"	4	17,0	41,0	26,0	17	19	630
DDFC-08L-02G	8	G 1/4"	6	17,0	39,0	24,0	17	19	250
DDFC-08L-03G		G 3/8"	6	17,0	40,0	25,0	17	24	250
DDFC-08L-04G		G 1/2"	6	20,0	44,0	29,0	17	27	250
DDFC-10L-02G	10	G 1/4"	8	17,0	40,0	25,0	19	19	250
DDFC-10L-03G		G 3/8"	8	17,0	41,0	26,0	19	24	250
DDFC-10L-04G		G 1/2"	8	20,0	45,0	30,0	19	27	250
DDFC-12L-03G	12	G 3/8"	10	17,0	41,0	26,0	22	24	250
DDFC-12L-04G		G 1/2"	10	20,0	45,0	30,0	22	27	250
DDFC-15L-04G	15	G 1/2"	12	20,0	46,0	31,0	27	27	250
DDFC-16S-04G	16	G 1/2"	12	20,0	50,0	31,5	30	30	400

DDLM-R

Male elbow BSPT thread



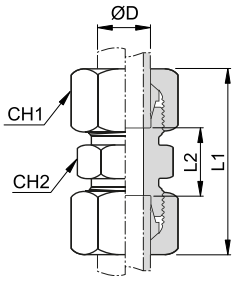


CODE	ØD	T	A	L1	L2	L3	CH1	CH2	Bar
DDLM-04LL-01R	4	R 1/8"	10,0	21,0	17,0	11,0	10	9	100
DDLM-06L-01R	6	R 1/8"	10,0	27,0	20,0	12,0	14	12	250
DDLM-06S-02R		R 1/4"	14,0	31,0	26,0	16,0	17	12	630
DDLM-08LL-01R	8	R 1/8"	10,0	23,0	20,0	11,5	14	12	100
DDLM-08L-02R		R 1/4"	14,0	29,0	26,0	14,0	17	12	250
DDLM-10L-02R	10	R 1/4"	14,0	30,0	27,0	15,0	19	14	250
DDLM-10S-03R		R 3/8"	15,0	34,0	28,0	17,5	22	17	630
DDLM-12L-03R	12	R 3/8"	15,0	32,0	28,0	17,0	22	17	250
DDLM-15L-04R	15	R 1/2"	19,0	36,0	34,0	21,0	27	19	250
DDLM-16S-04R	16	R 1/2"	19,0	43,0	32,0	24,5	30	24	400

DDU

Union connector

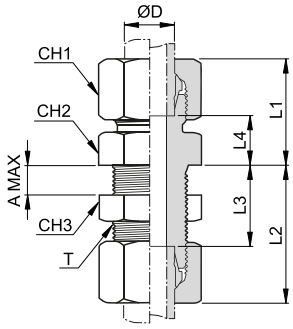




CODE	ØD	L1	L2	CH1	CH2	Bar
DDU-04LL	4	31,0	12,0	10	9	100
DDU-06L	6	39,0	10,0	14	12	250
DDU-08L	8	40,0	11,0	17	14	250
DDU-10L	10	42,0	13,0	19	17	250
DDU-12L	12	43,0	14,0	22	19	250
DDU-15L	15	46,0	16,0	27	24	250
DDU-16S	16	57,0	21,0	30	27	400

DDBU — Bulkhead connector

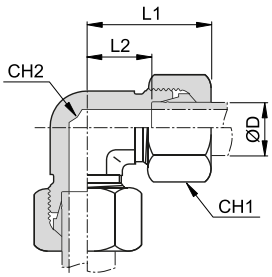




CODE	ØD	T	MAX A	L1	L2	L3	L4	CH1	CH2	CH3	Bar
DDBU-06L	6	M12x1,5	16,0	22,0	42,0	27,0	7,0	14	17	17	250
DDBU-08L	8	M14x1,5	16,0	23,0	42,0	27,0	8,0	17	19	19	250
DDBU-10L	10	M16x1,5	16,0	25,0	43,0	28,0	10,0	19	22	22	250
DDBU-12L	12	M18x1,5	16,0	25,0	44,0	29,0	10,0	22	24	24	250
DDBU-15L	15	M22x1,5	16,0	27,0	46,0	31,0	12,0	27	27	30	250
DDBU-16S	16	M24x1,5	16,0	35,0	50,0	31,5	16,5	30	32	32	400

DDL — Union elbow

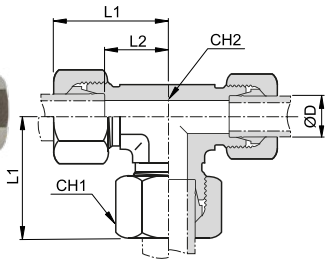




CODE	ØD	L1	L2	CH1	CH2	Bar
DDL-04LL	4	21,0	11,0	10	9	100
DDL-06L	6	27,0	12,0	14	12	250
DDL-08L	8	29,0	14,0	17	14	250
DDL-10L	10	30,0	15,0	19	17	250
DDL-12L	12	32,0	17,0	22	19	250
DDL-15L	15	36,0	21,5	27	24	250
DDL-16S	16	43,0	24,5	30	27	400

DDT — Union tee

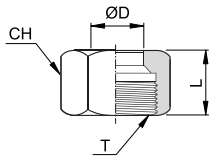




CODE	ØD	L1	L2	CH1	CH2	Bar
DDT-04LL	4	21,0	11,0	10	9	100
DDT-06L	6	27,0	12,0	14	12	250
DDT-08L	8	29,0	14,0	17	12	250
DDT-10L	10	30,0	15,0	19	14	250
DDT-12L	12	32,0	17,0	22	17	250
DDT-15L	15	36,0	21,0	27	19	250
DDT-16S	16	43,0	24,5	30	24	400

DDN — Locking nut





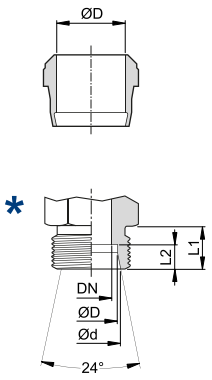
CODE	ØD	T	L	CH	Bar
DDN-04LL	4	M8x1,0	11,5	10	100
DDN-06L	6	M12x1,5	15,0	14	250
DDN-08L	8	M14x1,5	15,0	17	250
DDN-10L	10	M16x1,5	16,0	19	250
DDN-12L	12	M18x1,5	16,0	22	250
DDN-15L	15	M22x1,5	17,5	27	250
DDN-16S	16	M14x1,5	21,0	30	400

drawings and technical data are not binding & can be changed without notice

DDS

Ogive

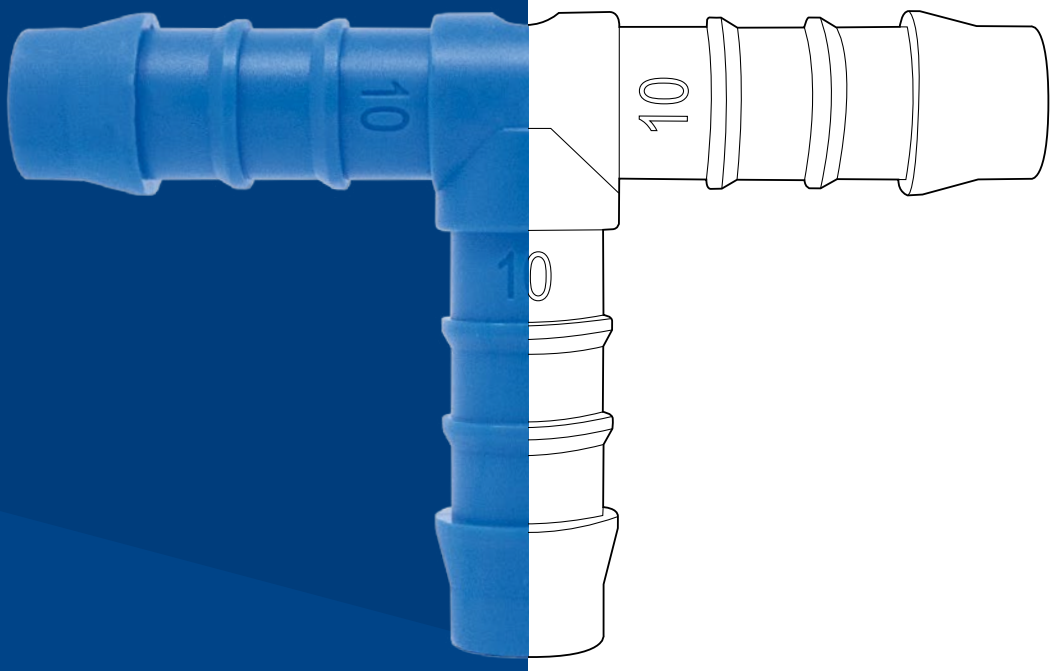




CODE	ØD	Ød	DN	L1	L2	Bar
DDS-04LL	4	5	3	8,0	4,0	100
DDS-06L	6	8,1	4	10,0	7,0	250
DDS-08L	8	10,1	6	10,0	7,0	250
DDS-10L	10	12,3	8	11,0	7,0	250
DDS-12L	12	14,3	10	11,0	7,0	250
DDS-15L	15	17,3	12	12,0	7,0	250
DDS-16S	16	18,3	12	14,0	8,5	400

* Thread diameter according to DIN 3853

BARB CONNECTORS



TECHNICAL INDEX



p. 201

POLYPROPYLENE

Materials: Polypropylene
Pressure: 14 Bar
Temperature: from +4°C to 90°C
Range: Ø12 - Ø25 / R1/8" to R1"
Ø6 - Ø19 / G1/2" to G1"



p. 209

BRASS

Materials: Nickel-plated brass
Pressure: 18 Bar
Temperature: from -20°C to 100°C
from -15°C to 200°C
Range: Ø6 - Ø27 / R1/8" to R1"
Ø4,5 - Ø20 / M5 to G3/4"



p. 217

NYLON

Materials: Nylon 66
Pressure: 14 Bar
Temperature: from -20°C to 110°C
Range: Ø4 - Ø25 / R1/8" to R1"

p. 231

PVDF

Materials: PVDF
Pressure: 14 Bar
Temperature: from -20°C to 120°C
Range: Ø4 - Ø25 / R1/8" to R1"



p. 241

STAINLESS STEEL AISI 316

Materials: Stainless steel AISI 316
Pressure: 60 Bar
Temperature: from -20°C to 180°C
Range: Ø6 - Ø20 / R1/8" to R3/4"



p. 245

CLAMPS

Materials: See technical datasheet
Temperature: from +4°C to 90°C (5090)
Range: Ø8 - Ø90 (KC9 - KCW9 - KCX9)
Ø8 - Ø49 (5090)

drawings and technical data are not binding & can be changed without notice

BARB CONNECTORS POLYPROPYLENE

PLUS

- SUITABLE FOR AIR AND WATER ACCORDING TO TABLES
- GREAT CHEMICAL RESISTANCE ESPECIALLY WITH FERTILIZERS
- UTILIZE WITH 5090 SERIES CLAMPS FOR BETTER GRIP AND SAFETY
- DESIGNED TO BE USED WITH 2,5 AND 4 CLASSES LDPE TUBES. CAN ALSO BE USED WITH DIFFERENT PLASTIC AND RUBBER FLEXIBLE TUBES
- IDEAL FOR AGRICULTURAL INDUSTRY



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p. 205 / **5520**



p. 205 / **5530**



p. 206 / **5540**



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p. 206 / **5550**



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p. 207 / **5560**



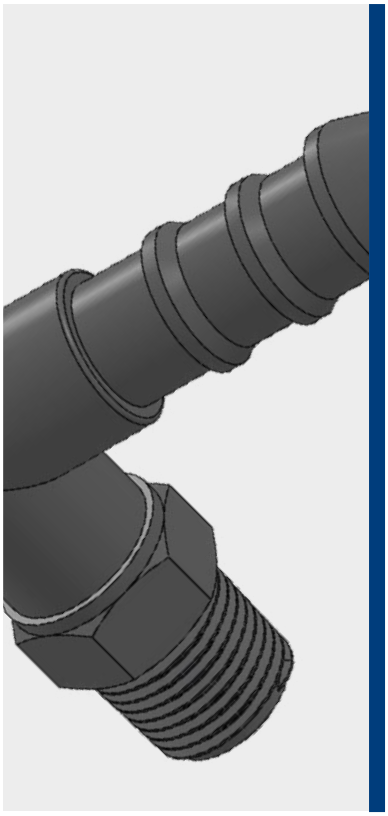
p. 207 / **5565**



p. 207 / **5570**



p. 207 / **5580**



+4°C ÷ +90°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1"
- Parallel gas BSPP ISO 228 from G1/8" to G1"

Suitable for use with LDPE class 2.5 and 4 tubes.
Can be used with plastic and rubber tubes

Body: Polypropylene

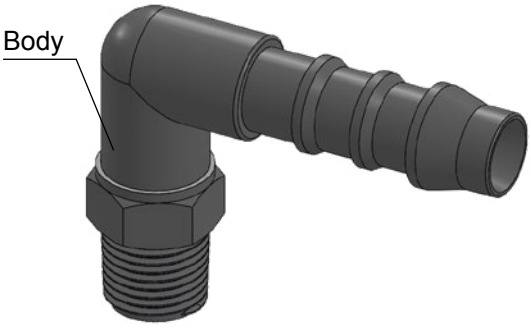
FEATURES

- The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.
- It is reccomended to insert the tube to the end and tightened with the clamp.
- Cut the part of the tube attached to the fitting in order to reutilize it.

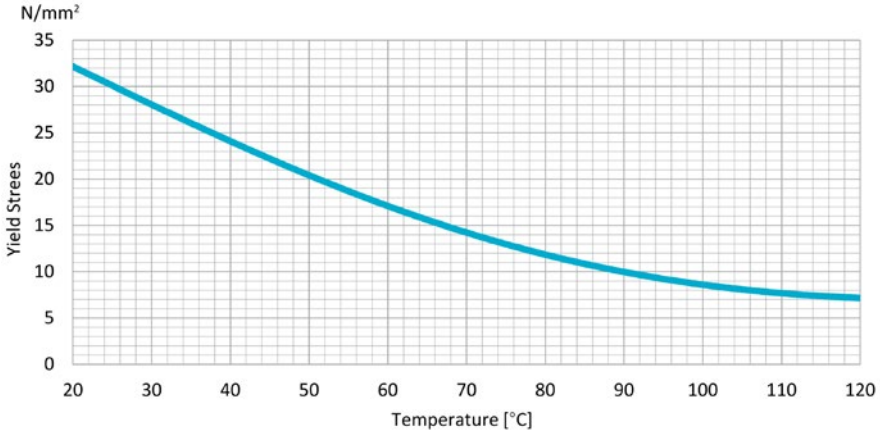
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



YIELD STRESS OF POLYPROPYLENE AS A FUNCTION OF TEMPERATURE



drawings and technical data are not binding & can be changed without notice

TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	0,01	0,3	1	2	5	8

DIAMETER OF THE BARB
BARB CONNECTORS - POLYPROPYLENE

OD EXTERNAL TUBE	Ø12	Ø16	Ø20	Ø25
ØB - BARB (mm)	11,8	15,1	18,8	23,0
ØD (mm)	9,8	12,9	16,2	20,4



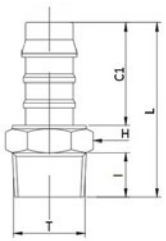
DIAMETER OF THE BARB
BARB CONNECTORS - POLYPROPYLENE - ONLY FOR CODE 5570

OD EXTERNAL TUBE	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø19
ØB - BARB (mm)	8,1	10,2	12,4	13,9	15,9	18,1	21,0
ØD (mm)	6,1	8,1	10,1	11,9	13,8	15,9	18,8



5510 Male barb connector BSPT thread

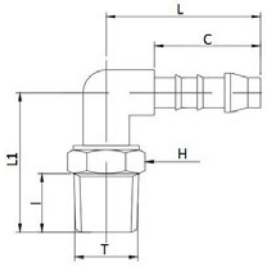




CODE	T	OD	I	C1	L	H	g
5510TR1812	R 1/8"	12	7,5	30,0	44,0	11	2,0
5510TR1412	R 1/4"	12	11,0	30,0	47,7	14	3,0
5510TR3812	R 3/8"	12	10,5	30,0	47,3	17	3,0
5510TR1212	R 1/2"	12	13,0	30,0	50,8	22	3,5
5510TR3412	R 3/4"	12	13,0	30,0	51,4	27	4,0
5510TR1416	R 1/4"	16	10,5	31,0	47,6	14	3,5
5510TR1216	R 1/2"	16	13,0	30,0	51,3	22	5,0
5510TR3416	R 3/4"	16	13,0	28,0	52,0	27	4,5
5510TR1220	R 1/2"	20	13,0	32,5	52,2	22	5,0
5510TR3420	R 3/4"	20	13,0	32,5	54,0	27	7,0
5510TR120	R 1"	20	18,0	32,5	59,0	36	18,0
5510TR1225	R 1/2"	25	13,0	32,5	53,3	22	6,0
5510TR3425	R 3/4"	25	13,0	32,5	54,5	27	8,0
5510TR125	R 1"	25	17,0	32,5	59,0	36	14,0

5520 Male elbow barb connector BSPT thread

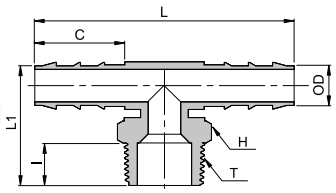




CODE	T	OD	I	C	L	L1	H	g
5520TR1412	R 1/4"	12	11,0	30,0	41,0	32,0	14	3,0
5520TR3812	R 3/8"	12	11,0	30,0	41,0	32,0	14	4,0
5520TR1212	R 1/2"	12	13,0	30,0	41,0	32,0	22	4,5
5520TR3412	R 3/4"	12	13,0	30,0	41,0	36,0	27	5,5
5520TR3816	R 3/8"	16	11,0	30,0	45,0	28,0	22	6,0
5520TR1216	R 1/2"	16	13,0	30,0	43,0	32,0	22	7,0
5520TR3416	R 3/4"	16	13,0	30,0	45,0	34,0	27	8,5
5520TR1220	R 1/2"	20	13,0	32,5	48,0	35,0	22	10,0
5520TR3420	R 3/4"	20	13,0	32,5	48,0	37,0	27	11,0
5520TR1225	R 1/2"	25	13,0	32,5	46,0	37,0	27	12,0
5520TR3425	R 3/4"	25	13,0	32,5	46,0	38,0	27	13,0

5530 Male tee barb connector BSPT thread



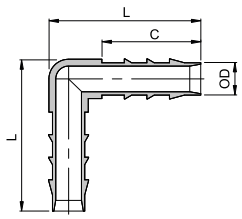


CODE	T	OD	I	C	L	L1	H	g
5530TR1412	R 1/4"	12	11,0	30,0	84,7	34,1	14	3,0
5530TR3812	R 3/8"	12	11,0	30,0	84,9	34,3	22	3,5
5530TR1212	R 1/2"	12	13,0	30,0	84,9	38,4	22	5,0
5530TR3412	R 3/4"	12	14,0	30,0	84,8	38,9	27	6,0
5530TR3816	R 3/8"	16	11,0	30,0	86,2	36,3	17	5,5
5530TR1216	R 1/2"	16	13,0	30,0	86,2	40,0	22	7,5
5530TR3416	R 3/4"	16	14,0	30,0	86,2	41,0	27	8,5
5530TR1220	R 1/2"	20	13,0	32,5	93,7	45,5	22	12,0
5530TR3420	R 3/4"	20	14,0	32,5	93,7	46,6	27	14,5
5530TR1225	R 1/2"	25	13,0	32,5	93,7	47,6	22	16,5
5530TR3425	R 3/4"	25	14,0	32,5	93,8	48,6	27	19,0

drawings and technical data are not binding & can be changed without notice

5540 Union elbow barb connector

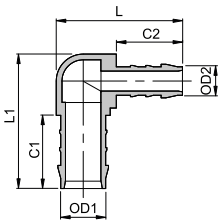




CODE	ØD	C	L	g
5540TR12	12	30,0	48,2	3,0
5540TR16	16	30,0	49,6	5,0
5540TR20	20	32,5	56,8	7,5
5540TR25	25	32,5	58,8	11,0

5545 Reduced union elbow barb connector

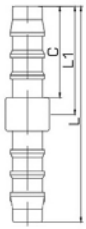




CODE	OD1	OD2	C1	C2	L	L1	g
5545TR1612	16	12	30,0	30,0	51,2	49,5	4,6
5545TR2012	20	12	32,5	30,0	56,4	55,0	7,94
5545TR2016	20	16	32,5	30,0	56,4	54,8	8,7
5545TR2520	25	20	32,5	32,5	58,3	56,4	10,2

5550 Union barb connector

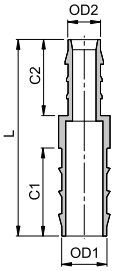




CODE	OD	C	L	L1	g
5550TR12	12	30,0	68,6	34,5	3,0
5550TR16	16	30,0	71,4	36,0	4,0
5550TR20	20	32,5	76,5	38,5	5,0
5550TR25	25	32,5	76,5	38,5	8,0

5555 Reduced union barb connector



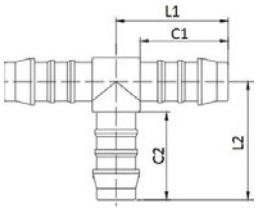


CODE	OD1	OD2	C1	C2	L	g
5555TR1612	16	12	30,0	30,0	71,5	3,7
5555TR2012	20	12	32,5	30,0	74,2	5,45
5555TR2016	20	16	32,5	30,0	74,2	5,6
5555TR2520	25	20	32,5	32,5	76,8	7,3

drawings and technical data are not binding & can be changed without notice

5560 Union tee barb connector

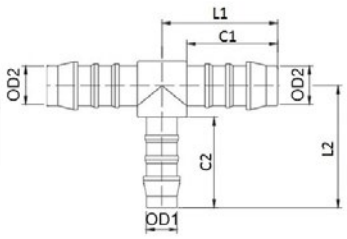




CODE	OD	C1	C2	L1	L2	g
5560TR12	12	30,0	30,0	36,3	38,0	3,0
5560TR16	16	30,0	30,0	38,3	40,0	5,0
5560TR20	20	32,5	32,5	42,4	45,0	9,0
5560TR25	25	32,5	32,5	36,4	47,0	13,0

5565 Reduced union tee barb connector

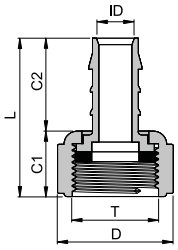




CODE	OD1	OD2	C1	C2	L1	L2	g
5565TR1216	12	16	30,0	30,0	48,2	76,7	3,0
5565TR1620	16	20	30,0	32,5	52,3	84,6	5,0
5565TR2025	20	25	32,5	32,5	58,6	88,7	13,0

5570 Female swivel barb connector BSPP thread with rubber seal



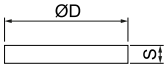


CODE	T	ID	D	C1	C2	L	g
5570TR346	G 3/4"	6	33,5	17,0	21,0	26,7	8,0
5570TR348	G 3/4"	8	33,5	14,5	25,0	30,6	8,5
5570TR18	G 1"	8	39,7	14,5	25,0	30,6	10,0
* 5570TR3810	G 3/8"	10	17,0	16,5	28,0	32,8	7,5
5570TR3410	G 3/4"	10	33,5	16,5	27,0	32,8	9,0
* 5570TR1212	G 1/2"	12	22,0	16,5	28,0	33,7	10,0
5570TR3412	G 3/4"	12	33,5	16,5	28,0	33,7	9,0
5570TR112	G 1"	12	39,7	16,5	27,0	33,7	11,0
5570TR3414	G 3/4"	14	33,5	16,5	30,0	35,0	7,0
5570TR114	G 1"	14	39,7	16,5	30,0	35,0	8,5
5570TR3416	G 3/4"	16	33,5	16,5	30,0	35,7	8,0
5570TR116	G 1"	16	39,7	16,5	30,0	35,7	10,0
5570TR3419	G 3/4"	19	33,5	16,5	31,0	36,8	10,0
5570TR119	G 1"	19	39,7	16,5	31,0	36,8	13,0

* "D" refers to the external wrench

5580 Flat rubber seal for female thread





CODE	T	ØD	S	g
5580TR38	G 3/8"	15,3	2,9	0,6
5580TR12	G 1/2"	18,3	2,5	0,8
5580TR34	G 3/4"	24,7	2,7	0,9
5580TR1	G 1"	31,3	3	1,2

drawings and technical data are not binding & can be changed without notice



BARB CONNECTORS BRASS

PLUS

- SUITABLE FOR COMPRESSED AIR AND FLUIDS
- WIDE RANGE AVAILABLE TO MEET MULTIPLE NEEDS
- DESIGNED TO GUARANTEE A GOOD MECHANICAL RESISTANCE
- USABLE WITH MANY PLASTIC AND RUBBER TUBES
- UTILIZE WITH ZINC-PLATED STEEL CLAMPS TO EFFECTIVELY SECURE THE TUBE



p. 212 / **1165**



p. 212 / **1167**



p. 213 / **1169**



p. 214 / **1170**



p. 214 / **1171**



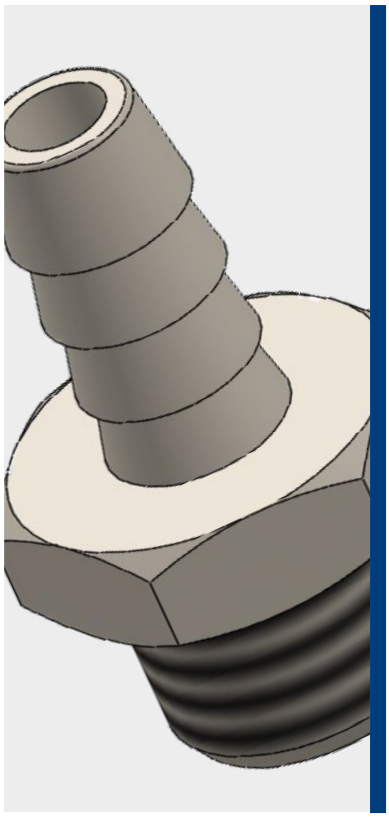
p. 215 / **1174**



p. 215 / **1172**



p. 215 / **1173**



-20°C ÷ 100°C with NBR o-ring
-15°C ÷ 200°C with Viton o-ring
The working temperature is determined by the properties of the tube used

Working pressure:
18 Bar
60 Bar (max working pressure)
The working pressure is determined by the properties of the tube used

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1"
- Parallel gas BSPP ISO 228 from G1/8" to G3/4"
- Metric ISO 262 M5

All tubes compatible with the internal diameter, to be used only with suitable clamps

Body: Nickel-plated brass
Turning: UNI EN 12164 CW 614N
Hot forging & machining:
UNI EN 12165 CW 617N
O-ring: NBR 70

AVAILABILITY:
- Available on request and with minimum quantity in yellow brass
- Available on request with Viton o-ring

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

DIAMETER OF TH BARB
BARB CONNECTORS - BRASS

ØD (mm)	Ø4,5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø12	Ø14	Ø17	Ø18	Ø19	Ø21	Ø25	Ø27
ØB (mm)	4,8	6,3	7,3	8,3	9,3	10,3	12,3	14,3	17,3	18,3	19,3	21,3	25,3	27,3



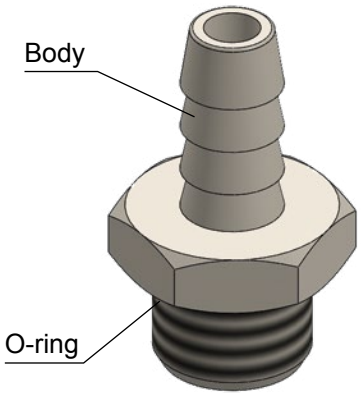
TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	8	12	14	16	18	20

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	0,8	5	8	10	12	14

CONSTRUCTION DETAILS

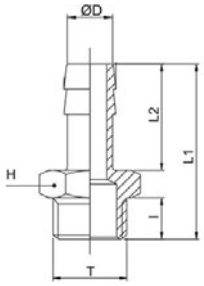


drawings and technical data are not binding & can be changed without notice

1165

Male barb connector BSPP & metric thread



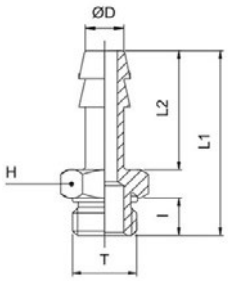


CODE	T	ØD	l	L1	L2	H	g
1165TRM545	M5x0,8	4,5	4,0	22,5	15,0	8	6,0
1165TR186	G 1/8"	6	6,0	29,5	19,0	12	8,0
1165TR146	G 1/4"	6	8,0	32,0	19,0	14	12,0
1165TR187	G 1/8"	7	6,0	29,5	19,0	12	8,0
1165TR147	G 1/4"	7	8,0	32,0	19,0	14	14,0
1165TR188	G 1/8"	8	6,0	29,5	19,0	12	8,0
1165TR148	G 1/4"	8	8,0	32,0	19,0	14	14,0
1165TR388	G 3/8"	8	9,0	33,0	19,0	19	22,0
1165TR189	G 1/8"	9	6,0	29,5	19,0	12	10,0
1165TR149	G 1/4"	9	8,0	32,0	19,0	14	14,0
1165TR389	G 3/8"	9	9,0	33,0	19,0	19	22,0
1165TR1810	G 1/8"	10	6,0	30,5	20,0	12	10,0
1165TR1410	G 1/4"	10	8,0	33,0	20,0	14	14,0
1165TR3810	G 3/8"	10	9,0	34,0	20,0	19	23,0
1165TR1412	G 1/4"	12	8,0	33,0	20,0	14	16,0
1165TR3812	G 3/8"	12	9,0	34,0	20,0	19	24,0
1165TR1212	G 1/2"	12	10,0	35,5	20,0	22	32,0
1165TR3814	G 3/8"	14	9,0	36,0	22,0	19	26,0
1165TR1214	G 1/2"	14	10,0	37,5	22,0	22	34,0
1165TR3817	G 3/8"	17	9,0	38,0	24,0	19	30,0
1165TR1217	G 1/2"	17	10,0	39,5	24,0	22	38,0
1165TR3418	G 3/4"	18	11,0	41,5	24,0	30	58,0
1165TR1220	G 1/2"	20	10,0	39,5	24,0	22	40,0
1165TR3420	G 3/4"	20	11,0	41,5	24,0	30	60,0

1167

Male barb connector BSPP & metric thread with O-ring





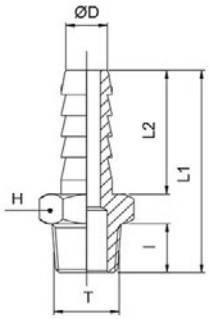
CODE	T	ØD	l	L1	L2	H	g
1167TRM545	M5x0,8	4,5	4,5	23,0	15,0	8	6,0
1167TR186	G 1/8"	6	6,5	30,0	19,0	14	10,0
1167TR146	G 1/4"	6	8,0	32,0	19,0	17	16,0
1167TR386	G 3/8"	6	9,0	33,0	19,0	20	-
1167TR187	G 1/8"	7	6,5	30,0	19,0	14	10,0
1167TR147	G 1/4"	7	8,0	32,0	19,0	17	16,0
1167TR188	G 1/8"	8	6,5	30,0	19,0	14	12,0
1167TR148	G 1/4"	8	8,0	32,0	19,0	17	17,0
1167TR388	G 3/8"	8	9,0	33,0	19,0	20	-
1167TR189	G 1/8"	9	6,5	30,0	19,0	14	14,0
1167TR149	G 1/4"	9	8,0	32,0	19,0	17	16,0
1167TR389	G 3/8"	9	9,0	33,0	19,0	20	22,0
1167TR1810	G 1/8"	10	6,5	30,0	19,0	14	-
1167TR1410	G 1/4"	10	8,0	32,0	19,0	17	-
1167TR1412	G 1/4"	12	8,0	33,0	20,0	17	18,0
1167TR3812	G 3/8"	12	9,0	34,0	20,0	20	24,0
1167TR1212	G 1/2"	12	10,0	35,5	20,0	24	35,0
1167TR3817	G 3/8"	17	9,0	38,0	24,0	20	30,0
1167TR1217	G 1/2"	17	10,0	39,5	24,0	24	42,0

drawings and technical data are not binding & can be changed without notice

1169

Male barb connector BSPT thread

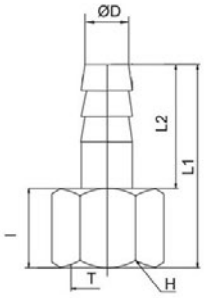




CODE	T	ØD	I	L1	L2	H	g
1169TR186	R 1/8"	6	8,0	31,5	19,0	12	8,0
1169TR146	R 1/4"	6	11,0	35,0	19,0	14	14,0
1169TR187	R 1/8"	7	8,0	31,5	19,0	12	10,0
1169TR147	R 1/4"	7	11,0	35,0	19,0	14	14,0
1169TR188	R 1/8"	8	8,0	31,5	19,0	12	10,0
1169TR148	R 1/4"	8	11,0	35,0	19,0	14	14,0
1169TR189	R 1/8"	9	8,0	31,5	19,0	12	12,0
1169TR149	R 1/4"	9	11,0	35,0	19,0	14	16,0
1169TR389	R 3/8"	9	11,5	35,5	19,0	17	20,0
1169TR129	R 1/2"	9	14,0	38,5	19,0	22	32,0
1169TR1810	R 1/8"	10	8,0	32,5	20,0	12	10,0
1169TR1410	R 1/4"	10	11,0	36,0	20,0	14	16,0
1169TR3810	R 3/8"	10	11,5	36,5	20,0	17	22,0
1169TR1210	R 1/2"	10	14,0	39,5	20,0	22	32,0
1169TR1412	R 1/4"	12	11,0	36,0	20,0	14	16,0
1169TR3812	R 3/8"	12	11,5	36,5	20,0	17	22,0
1169TR1212	R 1/2"	12	14,0	39,5	20,0	22	34,0
1169TR3814	R 3/8"	14	11,5	38,5	22,0	17	24,0
1169TR1214	R 1/2"	14	14,0	41,5	22,0	22	36,0
1169TR3816	R 3/8"	16	11,5	38,5	22,0	17	26,0
1169TR1216	R 1/2"	16	14,0	41,5	22,0	22	36,0
1169TR3416	R 3/4"	16	16,5	45,0	22,0	27	58,0
1169TR3817	R 3/8"	17	11,5	40,5	24,0	18	30,0
1169TR1217	R 1/2"	17	14,0	43,5	24,0	22	40,0
1169TR3818	R 3/8"	18	11,5	40,5	24,0	19	34,0
1169TR1218	R 1/2"	18	14,0	43,5	24,0	22	44,0
1169TR3418	R 3/4"	18	16,5	47,0	24,0	27	62,0
1169TR3820	R 3/8"	20	11,5	41,0	24,0	22	40,0
1169TR1220	R 1/2"	20	14,0	43,5	24,0	22	42,0
1169TR3420	R 3/4"	20	16,5	46,5	24,0	27	60,0
1169TR1221	R 1/2"	21	14,0	53,5	34,0	22	-
1169TR3421	R 3/4"	21	16,5	56,5	34,0	27	-
1169TR121	R 1"	21	19,0	60,0	34,0	34	-
1169TR3425	R 3/4"	25	16,5	53,0	30,0	27	76,0
1169TR125	R 1"	25	19,0	56,0	30,0	34	114,0
1169TR3427	R 3/4"	27	16,5	60,5	38,0	32	-
1169TR127	R 1"	27	19,0	64,0	38,0	34	-

1170 Female barb connector BSPP thread

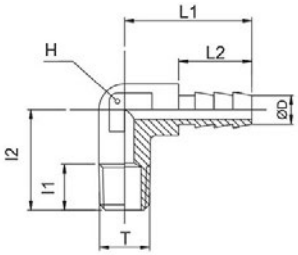




CODE	T	ØD	I	L1	L2	H	g
1170TR186	G 1/8"	6	8,0	28,5	19,0	12	7,5
1170TR146	G 1/4"	6	11,0	31,5	19,0	15	-
1170TR187	G 1/8"	7	8,0	28,5	19,0	12	9,0
1170TR147	G 1/4"	7	11,0	31,5	19,0	15	21,0
1170TR188	G 1/8"	8	8,0	28,5	19,0	12	8,0
1170TR148	G 1/4"	8	11,0	31,5	19,0	15	19,0
1170TR189	G 1/8"	9	8,0	28,5	19,0	12	9,0
1170TR149	G 1/4"	9	11,0	31,5	19,0	15	20,0
1170TR389	G 3/8"	9	11,5	32,0	19,0	19	-
1170TR1810	G 1/8"	10	8,0	29,5	20,0	12	-
1170TR1410	G 1/4"	10	11,0	32,5	20,0	15	12,5
1170TR3810	G 3/8"	10	11,5	33,0	20,0	19	17,0
1170TR1210	G 1/2"	10	14,0	36,0	20,0	24	-
1170TR1412	G 1/4"	12	11,0	32,5	20,0	15	22,0
1170TR3812	G 3/8"	12	11,5	33,0	20,0	19	18,0
1170TR1212	G 1/2"	12	14,0	36,0	20,0	24	33,0
1170TR3814	G 3/8"	14	11,5	35,0	22,0	19	-
1170TR1214	G 1/2"	14	14,0	38,0	22,0	24	35,5
1170TR3816	G 3/8"	16	11,5	35,0	22,0	19	-
1170TR1216	G 1/2"	16	14,0	38,0	22,0	24	-
1170TR3817	G 3/8"	17	11,5	37,0	24,0	19	-
1170TR1217	G 1/2"	17	14,0	40,0	24,0	24	-
1170TR1218	G 1/2"	18	14,0	40,0	24,0	24	-
1170TR3418	G 3/4"	18	15,0	41,5	24,0	29	-
1170TR3420	G 3/4"	20	15,0	41,5	24,0	29	-
1170TR3425	G 3/4"	25	15,0	47,5	30,0	29	-

1171 Male elbow barb connector BSPT thread

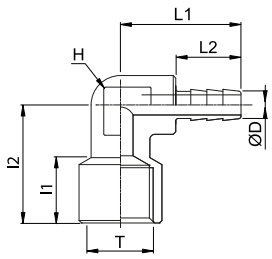




CODE	T	ØD	I1	I2	L1	L2	H	g
1171TR186185	R 1/8"	6	8,0	18,5	22,5	14,0	8	10,0
1171TR18623	R 1/8"	6	10,0	23,0	22,5	14,0	8	12,0
1171TR14623	R 1/4"	6	11,0	23,0	23,0	14,0	9	16,0
1171TR187185	R 1/8"	7	8,0	18,5	22,5	14,0	8	10,0
1171TR18723	R 1/8"	7	10,0	23,0	22,5	14,0	8	10,0
1171TR14723	R 1/4"	7	11,0	23,0	23,0	14,0	9	16,0
1171TR18819	R 1/8"	8	10,0	19,0	22,5	14,0	10	-

1174 Female elbow barb connector BSPP thread

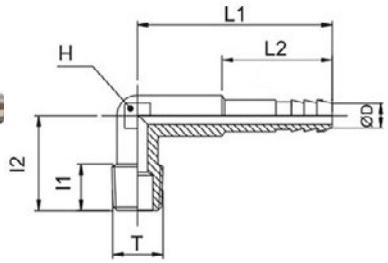




CODE	T	ØD	I1	I2	L1	L2	H	g
1174TR186	G 1/8"	6	8,0	22,0	22,0	13,0	9	-
1174TR146	G 1/4"	6	11,0	23,5	24,0	13,0	13	-
1174TR187	G 1/8"	7	8,0	22,0	24,0	13,0	9	-
1174TR147	G 1/4"	7	11,0	23,5	24,0	13,0	13	-

1172 Long series elbow barb connector BSPT thread

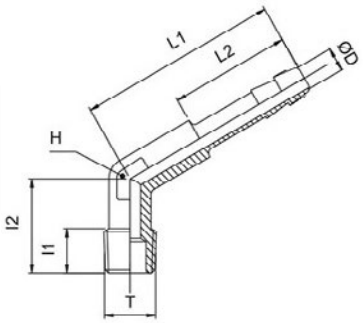




CODE	T	ØD	I1	I2	L1	L2	H	g
1172TR186325	R 1/8"	6	10,0	22,0	32,5	14,0	9	18,0
1172TR18638	R 1/8"	6	8,0	18,5	38,0	22,0	8	14,0
1172TR146325	R 1/4"	6	11,0	23,0	32,5	14,0	9	20,0
1172TR187325	R 1/8"	7	11,0	22,0	32,5	14,0	9	16,0
1172TR18738	R 1/8"	7	8,0	18,5	38,0	22,0	8	14,0
1172TR147325	R 1/4"	7	11,0	23,0	32,5	14,0	9	20,0

1173 Long serie elbow 120° barb connector BSPT thread





CODE	T	ØD	I1	I2	L1	L2	H	g
1173TR186	R 1/8"	6	8,0	18,5	38,0	23,0	8	14,0
1173TR187	R 1/8"	7	8,0	18,5	38,0	23,0	8	12,0



BARB CONNECTORS NYLON

D.M. 174

PLUS

- SUITABLE FOR FOOD FLUIDS
- STRONG AND RESISTANT TO IMPACTS
- DESIGNED TO HAVE AN INTERNAL DIAMETER WITH MAXIMUM FLOW RATE
- USABLE WITH 5090 SERIES CLAMPS FOR A BETTER GRIP AND SAFETY
- SUITABLE FOR DOMESTIC AND INDUSTRIAL USE



p. 220 / **5005**



p. 220 / **5010**



p. 221 / **5020**



p. 222 / **5025**



p. 222 / **5030**



p. 223 / **5035**



p. 223 / **5040**



p. 223 / **5045**



p. 224 / **5050**



p. 224 / **5055**



p. 224 / **5060**



p. 225 / **5070**



p. 226 / **5007**



p. 226 / **5015**



p. 227 / **5022**



p. 228 / **5027**



p. 228 / **5032**



p. 228 / **5037**



p. 229 / **5042**



p. 229 / **5047**



p. 230 / **5052**



p. 230 / **5057**



p. 230 / **5062**

drawings and technical data are not binding & can be changed without notice



-20°C ÷ +110°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with contruction materials

- Taper gas BSPT ISO 7 from R1/8" to R1"
- Parallel gas BSPP ISO 228 from G1/8" to G3/4"
- NPT from N1/8" to N3/4"

Plastic, silicone, rubber and soft PVC tubes

Body: Nylon 66

FEATURES

The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.

Food contact materials EC 1935/2004

D.M. 174/2004

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

DIAMETER OF THE BARB

BARB CONNECTORS - NYLON - TAPER GAS BSPT ISO 7

ØD (mm)	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø19	Ø25
ØB (mm)	5,2	6,3	8,0	10,0	12,0	14,0	16,2	18,2	21,0	26,0



DIAMETER OF THE BARB

BARB CONNECTORS - NYLON - NPT

ØD (inch)	5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"
ØB (mm)	5,3	6,3	8,0	9,8	12,0	13,8	-	17,5	-	21,0

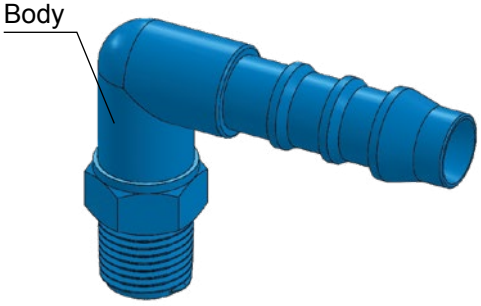


TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	0,1	0,8	4	6	8	10

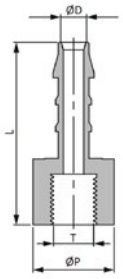
CONSTRUCTION DETAILS



drawings and technical data are not binding & can be changed without notice

5005 Female barb connector BSPT thread

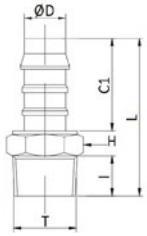




CODE	T	ØD	H	L	g
5005TR185	R 1/8"	5	14	34,4	2,0
5005TR145	R 1/4"	5	17	35,2	2,7
5005TR385	R 3/8"	5	22	36,5	4,57
5005TR125	R 1/2"	5	26	38,7	6,6
5005TR186	R 1/8"	6	14	36,3	2,15
5005TR146	R 1/4"	6	17	37,2	2,9
5005TR386	R 3/8"	6	22	38,3	4,8
5005TR126	R 1/2"	6	26	40,8	7,0
5005TR188	R 1/8"	8	14	39,4	2,5
5005TR148	R 1/4"	8	17	39,4	3,2
5005TR388	R 3/8"	8	22	40,4	5,0
5005TR128	R 1/2"	8	26	42,7	7,1
5005TR1410	R 1/4"	10	17	41,5	3,6
5005TR3810	R 3/8"	10	22	42,3	5,4
5005TR1210	R 1/2"	10	26	45,0	7,5
5005TR1412	R 1/4"	12	17	42,4	4,1
5005TR3812	R 3/8"	12	22	43,3	6,2
5005TR1212	R 1/2"	12	26	46,0	8,0
5005TR3814	R 3/8"	14	22	45,0	6,9
5005TR1214	R 1/2"	14	26	47,3	8,7
5005TR1216	R 1/2"	16	26	48,1	9,0
5005TR1219	R 1/2"	19	26	48,8	9,5

5010 Male barb connector BSPT thread



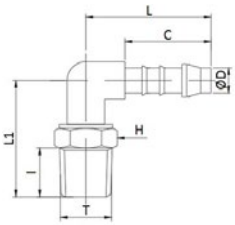


CODE	T	ØD	I	C1	L	H	g
5010TR184	R 1/8"	4	8,0	16,0	31,2	11	1,0
5010TR144	R 1/4"	4	10,0	16,0	33,8	14	1,2
5010TR185	R 1/8"	5	8,0	21,0	34,7	11	1,0
5010TR145	R 1/4"	5	10,0	21,0	38,3	14	1,0
5010TR125	R 1/2"	5	10,0	21,0	41,4	22	1,0
5010TR186	R 1/8"	6	8,0	23,0	35,3	11	1,0
5010TR146	R 1/4"	6	10,0	23,0	39,2	14	2,0
5010TR386	R 3/8"	6	10,0	23,0	39,1	17	3,0
5010TR126	R 1/2"	6	12,5	23,0	42,3	22	6,0
5010TR346	R 3/4"	6	14,5	23,0	43,0	22	8,2
5010TR188	R 1/8"	8	8,0	25,0	39,8	11	2,0
5010TR148	R 1/4"	8	10,0	25,0	43,0	14	2,0
5010TR388	R 3/8"	8	10,0	25,0	43,0	17	3,0
5010TR128	R 1/2"	8	12,5	25,0	46,1	22	6,0
5010TR348	R 3/4"	8	12,5	25,0	47,1	27	6,0
5010TR1410	R 1/4"	10	10,0	27,0	45,2	14	1,0
5010TR3810	R 3/8"	10	10,0	27,0	45,2	17	4,0
5010TR1210	R 1/2"	10	12,5	27,0	48,3	22	6,0
5010TR3410	R 3/4"	10	14,5	27,0	49,3	27	9,1
5010TR1412	R 1/4"	12	10,0	28,0	46,0	14	4,0
5010TR3812	R 3/8"	12	10,0	28,0	46,0	17	4,0
5010TR1212	R 1/2"	12	12,5	28,0	49,3	22	7,0
5010TR3412	R 3/4"	12	14,5	28,0	50,0	27	9,2
5010TR3814	R 3/8"	14	10,0	29,5	47,5	17	6,0
5010TR1214	R 1/2"	14	12,5	29,5	50,8	22	7,0
5010TR3414	R 3/4"	14	14,5	29,5	51,7	27	9,8
5010TR1216	R 1/2"	16	12,5	30,0	51,3	22	8,0
5010TR3416	R 3/4"	16	14,5	30,0	52,2	27	10,0
5010TR1219	R 1/2"	19	12,5	31,0	52,2	22	9,0
5010TR3419	R 3/4"	19	14,5	31,0	53,3	27	15,0
5010TR119	R 1"	19	21,0	31,0	60,1	27	18,8
5010TR3425	R 3/4"	25	14,0	32,0	54,8	27	-
5010TR0125	R 1"	25	18,0	39,5	66,6	35	-

drawings and technical data are not binding & can be changed without notice

5020 Male elbow barb connector BSPT thread

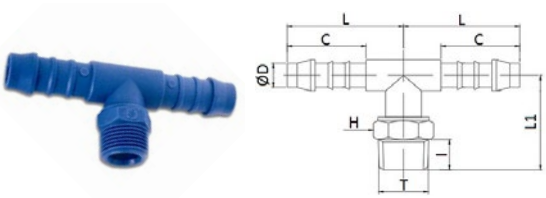




CODE	T	OD	I	C	L	L1	H	g
5020TR184	R 1/8"	4	8,0	16,0	22,5	21,0	11	1,0
5020TR144	R 1/4"	4	10,0	16,0	22,5	24,0	14	1,0
5020TR185	R 1/8"	5	8,0	21,0	28,0	24,0	11	1,0
5020TR145	R 1/4"	5	10,0	21,0	28,0	26,0	14	3,0
5020TR125	R 1/2"	5	13,0	21,0	28,0	30,0	22	6,0
5020TR186	R 1/8"	6	8,5	23,5	31,5	23,5	11	1,0
5020TR146	R 1/4"	6	10,0	23,0	31,0	26,0	14	3,0
5020TR386	R 3/8"	6	10,5	23,0	31,0	26,0	17	3,0
5020TR126	R 1/2"	6	13,0	23,5	31,5	30,0	22	7,0
5020TR188	R 1/8"	8	8,0	25,0	36,0	26,0	11	3,0
5020TR148	R 1/4"	8	10,0	25,0	36,0	28,0	14	3,0
5020TR388	R 3/8"	8	10,5	25,0	36,0	28,0	17	5,0
5020TR128	R 1/2"	8	13,0	25,0	36,0	30,5	22	7,0
5020TR1410	R 1/4"	10	10,0	27,0	39,0	28,0	14	4,0
5020TR3810	R 3/8"	10	10,5	27,0	39,0	28,0	17	6,0
5020TR1210	R 1/2"	10	13,0	27,0	39,0	30,5	22	8,0
5020TR3410	R 3/4"	10	14,5	27,0	39,0	33,5	27	9,9
5020TR1412	R 1/4"	12	10,0	28,0	41,0	28,0	14	7,0
5020TR3812	R 3/8"	12	10,5	28,0	41,0	28,0	17	8,0
5020TR1212	R 1/2"	12	13,0	28,0	41,0	32,0	22	9,0
5020TR3412	R 3/4"	12	14,5	28,0	41,0	34,0	27	12,0
5020TR3814	R 3/8"	14	10,5	29,5	42,5	31,5	17	9,0
5020TR1214	R 1/2"	14	13,0	29,5	42,5	34,0	22	11,0
5020TR3414	R 3/4"	14	14,5	29,5	42,5	37,5	27	14,4
5020TR1216	R 1/2"	16	12,5	30,0	44,0	36,0	22	13,0
5020TR3416	R 3/4"	16	14,5	30,0	44,0	39,0	27	14,0
5020TR1219	R 1/2"	19	12,5	31,0	45,0	36,0	22	15,0
5020TR3419	R 3/4"	19	15,0	31,0	45,0	38,0	27	16,6

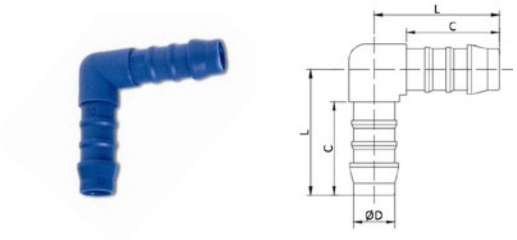
drawings and technical data are not binding & can be changed without notice

5025 Male tee barb connector BSPT thread



CODE	T	ØD	I	C	L	L1	H	g
5025TR184	R 1/8"	4	8,0	16,0	19,7	18,5	11	1,0
5025TR144	R 1/4"	4	10,5	16,0	22,6	21,5	14	2,5
5025TR185	R 1/8"	5	8,0	21,0	25,5	19,5	11	1,0
5025TR145	R 1/4"	5	10,5	21,0	28,2	22,5	14	3,0
5025TR186	R 1/8"	6	8,5	23,5	28,0	23,5	11	1,0
5025TR146	R 1/4"	6	10,5	23,0	31,5	23,0	14	3,0
5025TR386	R 3/8"	6	13,0	23,0	31,5	23,0	17	4,1
5025TR126	R 1/2"	6	12,5	23,0	31,5	27,0	22	7,1
5025TR188	R 1/8"	8	8,0	25,0	30,8	21,5	11	3,0
5025TR148	R 1/4"	8	10,5	25,0	36,3	24,5	14	5,0
5025TR388	R 3/8"	8	10,5	25,0	36,3	24,5	17	6,0
5025TR128	R 1/2"	8	13,0	25,0	31,0	28,5	22	7,5
5025TR1410	R 1/4"	10	10,0	27,0	39,3	28,0	14	6,4
5025TR3810	R 3/8"	10	10,5	27,0	39,3	28,0	17	7,3
5025TR1210	R 1/2"	10	12,5	27,0	39,5	30,5	22	9,6
5025TR3410	R 3/4"	10	13,0	27,0	39,5	31,5	27	11,8
5025TR1412	R 1/4"	12	10,0	28,0	41,3	28,0	14	15,0
5025TR3812	R 3/8"	12	10,5	28,0	41,3	28,0	17	9,0
5025TR1212	R 1/2"	12	13,0	28,0	41,3	31,5	22	12,6
5025TR3412	R 3/4"	12	13,0	28,0	41,3	31,5	27	14,3
5025TR3814	R 3/8"	14	10,5	29,5	42,8	31,5	17	12,8
5025TR1214	R 1/2"	14	12,5	29,5	42,8	34,0	22	15,0
5025TR3414	R 3/4"	14	13,0	30,0	42,8	35,0	27	17,9
5025TR1216	R 1/2"	16	12,5	30,0	44,1	36,0	22	15,0
5025TR3416	R 3/4"	16	13,5	30,0	44,2	37,0	27	18,6
5025TR1219	R 1/2"	19	12,5	31,0	45,1	36,0	22	19,6
5025TR3419	R 3/4"	19	13,5	31,0	45,3	36,0	27	21,6

5030 Union elbow barb connector

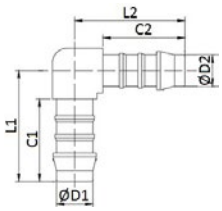


CODE	ØD	C	L	g
5030TR4	4	16,0	23,0	1,0
5030TR5	5	21,0	28,5	1,2
5030TR6	6	23,0	31,5	1,5
5030TR8	8	25,0	36,5	3,0
5030TR10	10	27,0	39,0	4,0
5030TR12	12	28,0	40,0	7,0
5030TR14	14	29,5	42,5	9,0
5030TR16	16	30,0	44,0	11,0
5030TR19	19	31,0	45,0	13,0

drawings and technical data are not binding & can be changed without notice

5035 Reduced union elbow barb connector

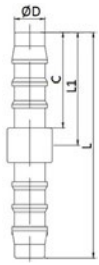




CODE	ØD1	ØD2	C1	C2	L1	L2	g
5035TR54	5	4	21,0	16,0	28,5	23,0	1,0
5035TR64	6	4	21,0	16,0	35,5	29,0	1,0
5035TR65	6	5	23,0	21,0	31,5	28,5	1,5
5035TR86	8	6	25,0	23,0	36,5	31,5	2,0
5035TR106	10	6	27,0	23,0	39,0	31,5	3,8
5035TR108	10	8	27,0	25,0	39,0	36,5	4,0
5035TR1210	12	10	28,0	27,0	40,0	39,0	7,0
5035TR1412	14	12	29,5	28,0	42,5	40,0	9,0
5035TR1614	16	14	30,0	29,5	44,0	42,5	11,0
5035TR1916	19	16	31,0	30,0	45,0	44,0	14,0

5040 Union barb connector

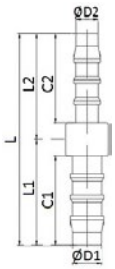




CODE	ØD	C	L	L1	g
5040TR4	4	16,0	36,6	18,0	1,0
5040TR5	5	21,0	48,5	23,5	1,2
5040TR6	6	23,0	52,2	26,0	1,5
5040TR8	8	25,0	59,3	29,0	2,0
5040TR10	10	27,0	63,0	31,5	3,0
5040TR12	12	28,0	66,0	33,0	4,0
5040TR14	14	29,5	71,8	35,5	7,5
5040TR16	16	30,0	72,5	36,0	9,0
5040TR19	19	31,0	73,5	37,0	11,0

5045 Reduced union barb connector



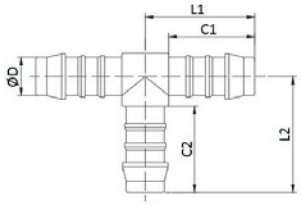


CODE	ØD1	ØD2	C1	C2	L	L1	L2	g
5045TR54	5	4	21,0	16,0	42,2	23,5	18,0	1,0
5045TR64	6	4	23,0	16,0	45,7	26,0	18,0	1,0
5045TR65	6	5	23,0	21,0	50,6	26,0	23,5	1,0
5045TR85	8	5	25,0	21,0	54,4	29,5	23,5	2,0
5045TR86	8	6	25,0	23,0	56,3	29,0	26,0	3,0
5045TR106	10	6	27,0	23,0	58,9	31,5	26,0	3,0
5045TR108	10	8	27,0	25,0	62,0	31,5	29,0	3,0
5045TR128	12	8	28,0	25,0	63,8	33,0	29,0	3,0
5045TR1210	12	10	28,0	27,0	65,3	33,0	31,5	5,0
5045TR1410	14	10	29,5	27,0	69,0	35,5	31,5	6,0
5045TR1412	14	12	29,5	28,0	70,0	35,5	33,0	7,0
5045TR1612	16	12	30,0	28,0	70,3	36,0	33,0	7,0
5045TR1614	16	14	30,0	29,5	71,7	36,0	35,5	8,0
5045TR1914	19	14	31,0	29,5	72,7	37,0	35,5	10,0
5045TR1916	19	16	31,0	30,0	73,2	37,0	36,0	10,0

drawings and technical data are not binding & can be changed without notice

5050 Union tee barb connector

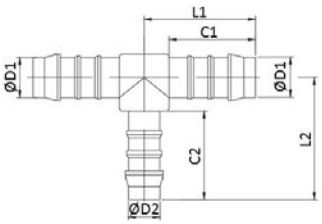




CODE	ØD	C1	C2	L1	L2	g
5050TR4	4	16,0	16,0	20,0	20,5	1,0
5050TR5	5	21,0	21,0	25,5	26,5	1,0
5050TR6	6	23,0	23,0	28,0	29,0	1,0
5050TR8	8	25,0	25,0	30,8	32,5	3,0
5050TR10	10	27,0	27,0	33,5	33,5	5,0
5050TR12	12	28,0	28,0	35,5	37,5	8,0
5050TR14	14	29,5	29,5	38,3	42,5	12,0
5050TR16	16	30,0	30,0	39,8	44,0	13,0
5050TR19	19	31,0	31,0	40,0	45,0	17,0

5055 Reduced union tee barb connector

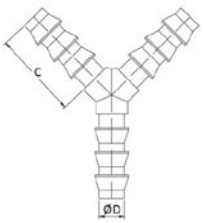




CODE	ØD1	ØD2	C1	C2	L1	L2	g
5055TR54	5	4	21,0	16,0	25,3	21,5	1,0
5055TR65	6	5	23,0	21,0	27,8	27,0	2,0
5055TR86	8	6	25,0	23,0	30,7	30,5	3,0
5055TR108	10	8	27,0	25,0	33,2	34,0	4,0
5055TR1210	12	10	28,0	27,0	35,3	36,5	7,0
5055TR1412	14	12	29,5	28,0	38,3	38,5	11,0
5055TR1614	16	14	30,0	29,5	39,7	41,5	13,0
5055TR1916	19	16	31,0	30,0	42,3	43,0	17,0

5060 Union Y barb connector





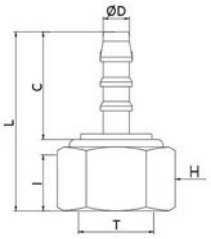
CODE	ØD	C	g
5060TR4	4	16,5	1,0
5060TR6	6	23,5	1,5
5060TR8	8	25,5	3,0
5060TR10	10	24,0	5,0
5060TR17	17	24,0	7,0

drawings and technical data are not binding & can be changed without notice

5070

Swivel female barb connector BSPP thread

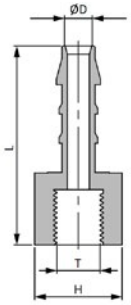




CODE	T	ØD	I	C	L	H	g
5070TR184	G 1/8"	4	10,0	16,0	27,5	13	1,0
5070TR144	G 1/4"	4	14,2	16,0	31,7	16	1,0
5070TR185	G 1/8"	5	10,0	21,0	32,0	13	1,2
5070TR145	G 1/4"	5	15,0	21,0	36,2	16	1,5
5070TR385	G 3/8"	5	14,5	21,0	36,0	20	2,0
5070TR146	G 1/4"	6	15,0	23,0	37,3	16	2,0
5070TR386	G 3/8"	6	14,5	23,0	36,8	20	3,0
5070TR126	G 1/2"	6	17,0	23,0	39,5	24	6,0
5070TR148	G 1/4"	8	14,2	25,0	41,3	16	2,0
5070TR388	G 3/8"	8	14,5	25,0	40,8	20	2,0
5070TR128	G 1/2"	8	17,0	25,0	43,6	24	3,0
5070TR348	G 3/4"	8	17,0	25,0	43,4	30	6,0
5070TR3810	G 3/8"	10	14,5	27,0	42,8	20	4,0
5070TR1210	G 1/2"	10	17,0	27,0	43,6	24	6,0
5070TR3410	G 3/4"	10	17,0	27,0	45,6	30	9,0
5070TR1212	G 1/2"	12	17,0	28,0	46,7	24	8,0
5070TR3412	G 3/4"	12	17,0	28,0	46,5	30	10,0
5070TR1214	G 1/2"	14	17,0	29,5	50,0	24	8,0
5070TR3414	G 3/4"	14	17,0	29,5	48,0	30	10,0
5070TR3416	G 3/4"	16	17,0	30,0	48,5	30	11,0
5070TR3419	G 3/4"	19	17,0	31,0	49,3	30	16,0

5007 Female barb connector NPT thread

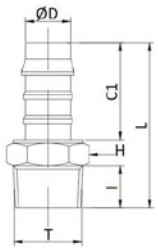




CODE	T	ØD	L	H	g
5007TR1814	N 1/8"	1/4"	36,7	14	2,24
5007TR1414	N 1/4"	1/4"	40,1	17	3,5
5007TR3814	N 3/8"	1/4"	40,0	22	5,29
5007TR1214	N 1/2"	1/4"	43,7	27	7,95
5007TR18516	N 1/8"	5/16"	38,9	14	2,5
5007TR14516	N 1/4"	5/16"	41,8	17	3,58
5007TR38516	N 3/8"	5/16"	42,0	22	5,6
5007TR12516	N 1/2"	5/16"	45,0	27	8,1
5007TR1438	N 1/4"	3/8"	44,1	17	4,09
5007TR3838	N 3/8"	3/8"	43,9	22	6,1
5007TR1238	N 1/2"	3/8"	47,2	27	8,7
5007TR1412	N 1/4"	1/2"	44,7	17	4,64
5007TR3812	N 3/8"	1/2"	45,2	22	6,55
5007TR1212	N 1/2"	1/2"	48,8	27	9,2
5007TR38916	N 3/8"	9/16"	46,5	22	-
5007TR12916	N 1/2"	9/16"	50,3	27	-
5007TR1258	N 1/2"	5/8"	50,4	27	10,1
5007TR1234	N 1/2"	3/4"	51,7	27	10,6

5015 Male barb connector NPT thread



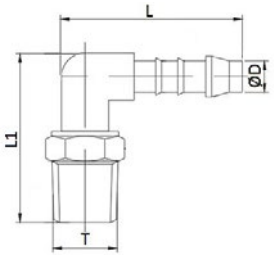


CODE	T	ØD	I	C1	L	H	g
5015TR18532	N 1/8"	5/32"	8,0	16,0	30,7	11	1,0
5015TR14532	N 1/4"	5/32"	13,0	16,0	35,3	14	1,0
5015TR18316	N 1/8"	3/16"	9,0	21,0	36,3	11	1,0
5015TR14316	N 1/4"	3/16"	13,0	21,0	39,7	14	1,0
5015TR1814	N 1/8"	1/4"	9,0	23,0	36,1	11	1,5
5015TR14	N 1/4"	1/4"	13,0	23,0	40,6	14	1,0
5015TR3814	N 3/8"	1/4"	13,0	23,0	42,0	17	3,0
5015TR1214	N 1/2"	1/4"	18,0	23,0	46,7	22	6,4
5015TR18516	N 1/8"	5/16"	9,0	25,0	40,2	11	1,8
5015TR14516	N 1/4"	5/16"	13,0	25,0	44,7	14	2,7
5015TR38516	N 3/8"	5/16"	13,0	25,0	46,0	17	4,1
5015TR12516	N 1/2"	5/16"	18,0	25,0	51,0	22	6,8
5015TR1438	N 1/4"	3/8"	13,0	27,0	46,5	14	3,0
5015TR38	N 3/8"	3/8"	13,0	27,0	47,7	17	5,0
5015TR1238	N 1/2"	3/8"	18,0	27,0	53,2	22	7,4
5015TR3438	N 3/4"	3/8"	19,0	27,0	54,3	27	9,8
5015TR1412	N 1/4"	1/2"	13,0	28,0	47,7	14	3,5
5015TR3812	N 3/8"	1/2"	13,0	28,0	49,0	17	5,0
5015TR12	N 1/2"	1/2"	18,0	28,0	53,7	22	7,6
5015TR3412	N 3/4"	1/2"	19,0	28,0	54,7	27	10,3
5015TR38916	N 3/8"	9/16"	13,0	-	51,0	17	-
5015TR12916	N 1/2"	9/16"	18,0	-	55,4	22	-
5015TR34916	N 3/4"	9/16"	19,0	-	56,1	27	-
5015TR1258	N 1/2"	5/8"	18,0	30,0	56,3	22	8,5
5015TR3458	N 3/4"	5/8"	19,0	30,0	56,8	27	11,2
5015TR1234	N 1/2"	3/4"	18,0	31,0	57,0	22	9,1
5015TR34	N 3/4"	3/4"	19,0	31,0	57,7	27	11,9

drawings and technical data are not binding & can be changed without notice

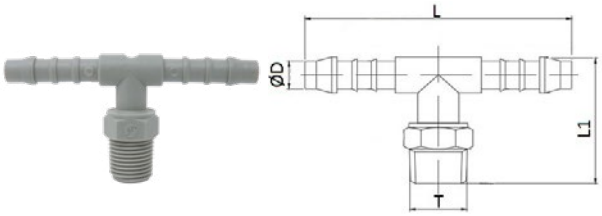
5022 Male elbow barb connector NPT thread





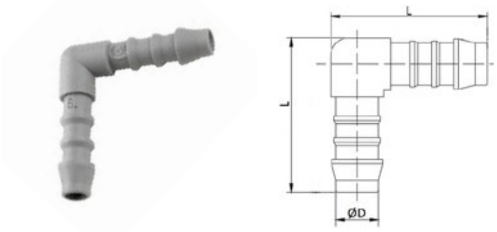
CODE	T	ØD	L	L1	g
5022TR18532	N 1/8"	5/32"	25,7	26,0	1,58
5022TR14532	N 1/4"	5/32"	25,9	31,1	2,5
5022TR18316	N 1/8"	3/16"	31,8	28,6	2,0
5022TR14316	N 1/4"	3/16"	33,4	31,8	2,0
5022TR12316	N 1/2"	3/16"	41,8	31,8	2,0
5022TR1814	N 1/8"	1/4"	35,4	29,0	2,29
5022TR1414	N 1/4"	1/4"	35,5	33,7	3,3
5022TR3814	N 3/8"	1/4"	35,5	33,8	4,8
5022TR1214	N 1/2"	1/4"	42,2	35,5	6,7
5022TR18516	N 1/8"	5/16"	41,5	32,1	3,30
5022TR14516	N 1/4"	5/16"	41,2	36,7	4,25
5022TR38516	N 3/8"	5/16"	41,5	36,6	5,4
5022TR12516	N 1/2"	5/16"	41,5	43,1	8,7
5022TR1438	N 1/4"	3/8"	45,4	37,7	4,8
5022TR3838	N 3/8"	3/8"	45,3	37,5	6,2
5022TR1238	N 1/2"	3/8"	45,4	44,4	7,8
5022TR3438	N 3/4"	3/8"	45,4	44,0	12,4
5022TR1412	N 1/4"	1/2"	48,6	39,0	-
5022TR3812	N 3/8"	1/2"	48,3	28,6	7,8
5022TR1212	N 1/2"	1/2"	48,7	45,2	11,1
5022TR3412	N 3/4"	1/2"	48,7	45,2	14,1
5022TR38916	N 3/8"	9/16"	51,4	42,2	-
5022TR12916	N 1/2"	9/16"	51,4	48,6	-
5022TR34916	N 3/4"	9/16"	51,5	48,5	-
5022TR1258	N 1/2"	5/8"	53,8	51,5	14,4
5022TR3458	N 3/4"	5/8"	53,8	51,4	17,5
5022TR1234	N 1/2"	3/4"	56,6	52,8	16,1
5022TR3434	N 3/4"	3/4"	56,2	53,0	18,8

5027 Male tee barb connector NPT thread



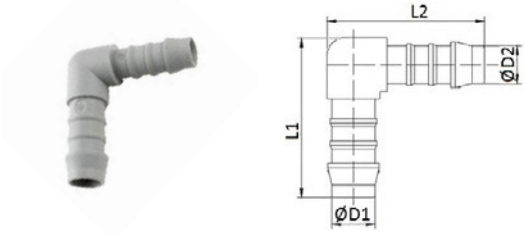
CODE	T	ØD	L	L1	g
5027TR12316	N 1/2"	3/16"	56,3	39,3	7,8
5027TR1814	N 1/8"	1/4"	63,0	29,4	-
5027TR1414	N 1/4"	1/4"	63,0	33,8	3,86
5027TR3814	N 3/8"	1/4"	63,0	33,7	6,55
5027TR1214	N 1/2"	1/4"	63,0	40,3	9,57
5027TR18516	N 1/8"	5/16"	72,5	32,3	4,51
5027TR14516	N 1/4"	5/16"	72,5	36,8	5,46
5027TR38516	N 3/8"	5/16"	72,5	36,9	6,65
5027TR12516	N 1/2"	5/16"	72,5	42,8	9,68
5027TR1438	N 1/4"	3/8"	78,5	38,0	5,14
5027TR3838	N 3/8"	3/8"	78,5	37,7	7,78
5027TR1238	N 1/2"	3/8"	78,5	44,0	10,52
5027TR3438	N 3/4"	3/8"	78,5	43,8	13,91
5027TR1412	N 1/4"	1/2"	82,6	39,3	8,62
5027TR3812	N 3/8"	1/2"	82,6	38,8	11,0
5027TR1212	N 1/2"	1/2"	82,6	45,5	14,44
5027TR3412	N 3/4"	1/2"	82,6	45,5	20,42
5027TR1258	N 1/2"	5/8"	88,4	51,5	18,28
5027TR3458	N 3/4"	5/8"	88,4	51,1	21,0
5027TR1234	N 1/2"	3/4"	90,5	53,0	16,6
5027TR3434	N 3/4"	3/4"	90,5	52,5	23,0

5032 Union elbow barb connector - inch tube



CODE	ØD	L	g
5032TR532	5/32"	25,6	0,65
5032TR316	3/16"	33,2	1,19
5032TR14	1/4"	36,1	1,77
5032TR516	5/16"	41,4	3,18
5032TR38	3/8"	44,6	4,42
5032TR12	1/2"	47,6	6,7
5032TR916	9/16"	51,2	-
5032TR58	5/8"	54,3	11,17
5032TR34	3/4"	56,7	13,6

5037 Reduced union elbow barb connector - inch tube

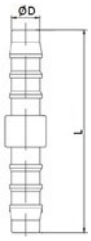


CODE	ØD1	ØD2	L1	L2	g
5037TR316532	3/16"	5/32"	31,8	27,9	1,5
5037TR14316	1/4"	3/16"	35,4	34,1	2,0
5037TR51614	5/16"	1/4"	39,4	41,6	2,3
5037TR3814	3/8"	1/4"	40,2	45,3	3,8
5037TR38516	3/8"	5/16"	42,5	45,5	4,0
5037TR1238	1/2"	3/8"	45,8	48,6	6,5
5037TR91612	9/16"	1/2"	49,8	51,1	-
5037TR58916	5/8"	9/16"	53,6	53,6	-
5037TR3458	3/4"	5/8"	55,8	55,8	7,2

drawings and technical data are not binding & can be changed without notice

5042 Union barb connector - inch tube

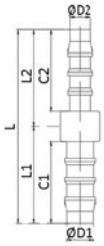




CODE	ØD	L	g
5042TR532	5/32"	36,6	0,65
5042TR316	3/16"	47,0	1,19
5042TR14	1/4"	52,2	1,77
5042TR516	5/16"	59,3	3,18
5042TR38	3/8"	63,0	4,42
5042TR12	1/2"	66,3	6,7
5042TR916	9/16"	72,0	-
5042TR58	5/8"	71,4	11,17
5042TR1116	11/16"	59,1	-
5042TR34	3/4"	73,8	13,6

5047 Reduced union barb connector - inch tube

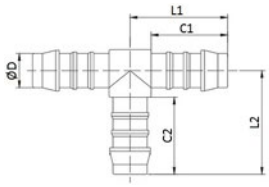




CODE	ØD1	ØD2	C1	C2	L1	L2	L	g
5047TR316532	3/16"	5/32"	16,0	21,0	19,0	24,0	42,2	0,63
5047TR14532	1/4"	5/32"	23,5	21,0	26,0	19,5	45,7	0,86
5047TR14316	1/4"	3/16"	23,5	16,0	26,0	23,5	50,6	1,0
5047TR516316	5/16"	3/16"	24,0	16,0	29,5	23,5	54,4	2,0
5047TR51614	5/16"	1/4"	25,0	23,0	29,0	26,0	56,3	2,1
5047TR3814	3/8"	1/4"	27,0	23,0	31,5	27,0	58,9	2,5
5047TR38516	3/8"	5/16"	27,0	25,0	31,5	29,0	62,0	2,8
5047TR12516	1/2"	5/16"	28,0	25,0	33,0	29,0	63,8	4,1
5047TR1238	1/2"	3/8"	28,0	27,0	33,0	31,5	65,3	4,6
5047TR91638	9/16"	3/8"	29,5	27,0	35,5	33,0	69,1	6,16
5047TR91612	9/16"	1/2"	29,5	28,0	35,5	34,0	69,9	6,57
5047TR5812	5/8"	1/2"	30,0	28,0	36,0	33,0	70,3	7,5
5047TR58916	5/8"	9/16"	29,5	29,5	35,5	36,0	71,7	8,0
5047TR34916	3/4"	9/16"	31,0	29,5	35,5	37,0	72,7	9,7
5047TR3458	3/4"	5/8"	31,0	30,0	37,0	37,0	73,2	10,0

5052 Union tee barb connector - inch tube

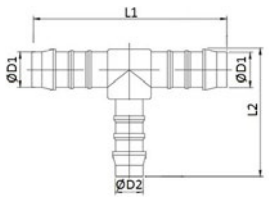




CODE	ØD	C1	C2	L1	L2	g
5052TR532	5/32"	16,0	16,0	20,0	24,3	0,62
5052TR316	3/16"	21,0	21,0	25,5	27,5	1,2
5052TR14	1/4"	23,0	23,0	28,0	29,0	1,9
5052TR516	5/16"	25,0	25,0	30,6	32,5	3,2
5052TR38	3/8"	26,5	27,0	33,5	35,5	5,5
5052TR12	1/2"	28,0	28,0	35,5	37,5	9,0
5052TR916	9/16"	30,0	30,0	38,6	40,8	12,3
5052TR58	5/8"	30,0	30,0	39,8	44,0	14,0
5052TR34	3/4"	31,0	31,0	40,0	45,0	17,0

5057 Reduced union tee barb connector - inch tube

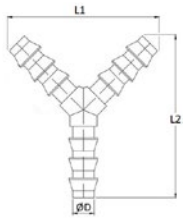




CODE	ØD1	ØD2	L1	L2	g
5057TR316532	3/16"	5/32"	50,6	25,9	1,1
5057TR14316	1/4"	3/16"	55,8	32,0	1,74
5057TR51614	5/16"	1/4"	61,5	36,2	2,94
5057TR38516	3/8"	5/16"	66,5	39,3	1,1
5057TR1238	1/2"	3/8"	70,3	43,5	7,75
5057TR91612	9/16"	1/2"	76,3	48,0	-
5057TR58916	5/8"	9/16"	79,4	51,0	-
5057TR3458	3/4"	5/8"	84,3	55,2	16,42

5062 Union Y barb connector - inch tube





CODE	ØD	L1	L2	g
5062TR532	5/32"	30,8	35,5	0,65
5062TR14	1/4"	44,3	50,8	2,095
5062TR516	5/16"	49,4	55,6	3,35
5062TR38	3/8"	54,9	60,8	4,93
5062TR1116	11/16"	57,4	62,5	-

BARB CONNECTORS PVDF

D.M. 174

NSF

PLUS

- RESISTANT TO CONTACT WITH CHEMICALS AND CAN BE USE IN THE FOOD SECTOR
- RESISTANT TO COSTANT HIGH LEVEL TEMPERATURES
- OPTIMIZATION OF INTERNAL STEPS WHICH GUARANTEE FULL FLUID PASSAGE
- EXTREMLY SIMPLE TO USE FOLLOWING TECHNICAL INFORMATION
- ENVIRONMENTALLY FRIENDLY AND NON-TOXIC
- IT IS RECOMMENDED TO USE 5090 PIPE CLAMPS TO GUARANTEE A BETTER GRIP BETWEEN FITTING AND TUBE



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p. 235 / **5910**



p. 236 / **5920**



p. 237 / **5925**



p. 237 / **5930**



p. 238 / **5935**



p. 238 / **5940**



p. 238 / **5945**



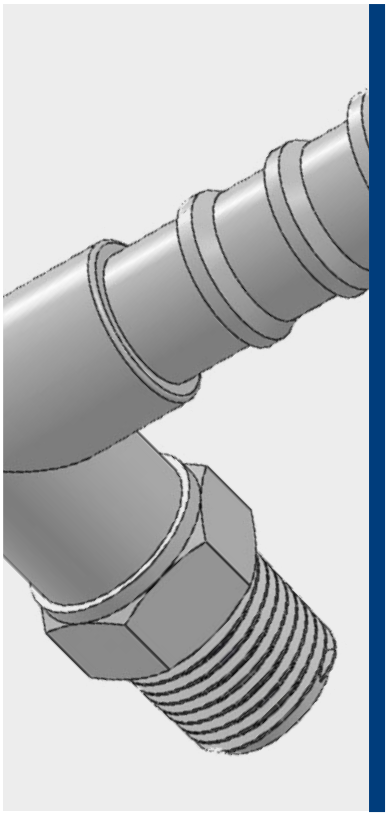
p. 239 / **5950**



p. 239 / **5955**



p. 239 / **5960**



-20°C ÷ +120°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with construction materials

Taper gas BSPT ISO 7
from R1/8" to R1"

Plastic, silicone, PTFE, FEP and soft PVC tubes

Body: Polyvinylidene fluoride (PVDF)

AVAILABILITY

Available on demand with NPT thread for inch tubes.

Food contact materials
EC 1935/2004

D.M. 174/2004

NSF 61 / NSF 372
NSF certificate on behalf of Tefen Flow and Dosing Technologies Ltd.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

FEATURES

- The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.
- The connection to the tube must be secured with a 5090 clamp.

DIAMETER OF THE BARB

BARB CONNECTORS - PVDF

ØD (mm)	Ø4	Ø5	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø19	Ø25
ØB (mm)	5,2	6,3	8,0	10,0	12,0	14,0	16,2	18,2	21,0	26,0

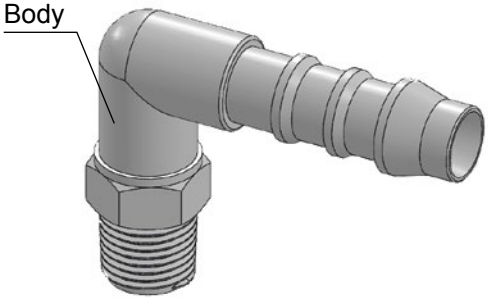


TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	0,1	1	5	8	16	26

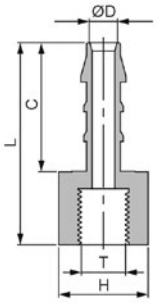
CONSTRUCTION DETAILS



drawings and technical data are not binding & can be changed without notice

5905 Female barb connector BSPT thread



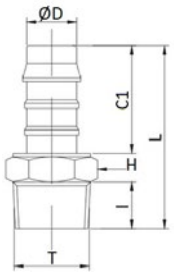


CODE	T	ØD	C	L	H	g
5905TR185	R 1/8"	5	21,0	34,4	14	2,0
5905TR145	R 1/4"	5	21,0	35,0	17	2,7
5905TR385	R 3/8"	5	21,0	36,5	22	4,57
5905TR125	R 1/2"	5	21,5	38,7	26	6,6
5905TR186	R 1/8"	6	23,0	36,3	14	2,15
5905TR146	R 1/4"	6	23,0	37,2	17	2,9
5905TR386	R 3/8"	6	23,0	38,3	22	4,8
5905TR126	R 1/2"	6	23,0	40,8	26	7,0
5905TR188	R 1/8"	8	25,0	38,2	14	2,5
5905TR148	R 1/4"	8	25,0	39,4	17	5,0
5905TR388	R 3/8"	8	25,0	40,4	22	7,1
5905TR128	R 1/2"	8	25,0	42,7	26	3,6
5905TR1410	R 1/4"	10	27,5	41,5	17	5,4
5905TR3810	R 3/8"	10	27,0	42,3	22	7,5
5905TR1210	R 1/2"	10	27,5	45,0	26	4,1
5905TR1412	R 1/4"	12	28,0	42,4	17	6,2
5905TR3812	R 3/8"	12	28,0	43,3	22	8,0
5905TR1212	R 1/2"	12	28,0	46,0	26	6,9
5905TR3814	R 3/8"	14	30,0	45,0	22	8,7
5905TR1214	R 1/2"	14	30,0	47,3	26	9,0
5905TR1216	R 1/2"	16	30,5	48,1	26	9,5
5905TR1219	R 1/2"	19	31,0	48,8	26	10,0

drawings and technical data are not binding & can be changed without notice

5910 Male barb conector BSPT thread

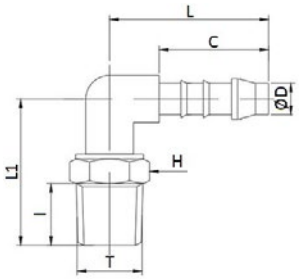




CODE	T	ØD	I	C1	L	H	g
5910TR184	R 1/8"	4	8,0	16,0	31,2	11	1,0
5910TR144	R 1/4"	4	10,0	16,0	33,8	14	1,2
5910TR185	R 1/8"	5	8,0	21,0	34,7	11	1,0
5910TR145	R 1/4"	5	10,0	21,0	38,3	14	1,0
5910TR186	R 1/8"	6	8,0	23,0	37,5	11	1,0
5910TR146	R 1/4"	6	10,0	23,0	39,2	14	2,0
5910TR386	R 3/8"	6	10,0	23,0	39,1	17	3,0
5910TR126	R 1/2"	6	12,5	23,0	42,3	22	6,0
5910TR346	R 3/4"	6	14,5	23,0	43,0	22	8,2
5910TR188	R 1/8"	8	8,0	25,0	39,8	11	2,0
5910TR148	R 1/4"	8	10,0	25,0	43,0	14	2,0
5910TR388	R 3/8"	8	10,0	25,0	43,0	17	3,0
5910TR128	R 1/2"	8	12,5	25,0	46,1	22	6,0
5910TR348	R 3/4"	8	12,5	25,0	37,1	17	4,7
5910TR1410	R 1/4"	10	10,0	27,0	47,1	14	1,0
5910TR3810	R 3/8"	10	10,0	27,0	45,2	17	4,0
5910TR1210	R 1/2"	10	12,5	27,0	48,3	22	6,0
5910TR3410	R 3/4"	10	14,5	27,0	49,3	27	9,1
5910TR1412	R 1/4"	12	10,0	28,0	46,0	14	4,0
5910TR3812	R 3/8"	12	10,0	28,0	46,0	17	4,0
5910TR1212	R 1/2"	12	12,5	28,0	49,3	22	7,0
5910TR3412	R 3/4"	12	14,5	28,0	50,0	27	9,2
5910TR3814	R 3/8"	14	10,0	29,5	47,5	17	6,0
5910TR1214	R 1/2"	14	12,5	29,5	50,8	22	7,0
5910TR3414	R 3/4"	14	14,5	29,5	51,7	27	9,8
5910TR1216	R 1/2"	16	12,5	30,0	51,3	22	8,0
5910TR3416	R 3/4"	16	14,5	30,0	52,2	27	10,0
5910TR1219	R 1/2"	19	12,5	31,0	52,2	22	9,0
5910TR3419	R 3/4"	19	14,5	31,0	53,3	27	15,0
5910TR119	R 1"	19	21,0	31,0	60,1	27	18,8
5910TR3425	R 3/4"	25	21,0	31,0	54,8	27	17,0
5910TR125	R 1"	25	21,0	31,0	66,6	36	19,5

5920 Male elbow barb connector BSPT thread

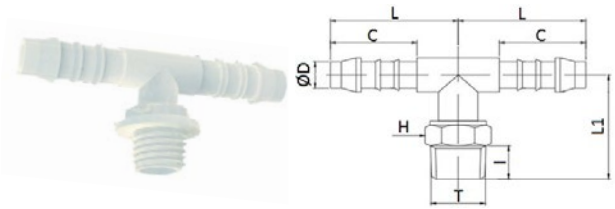




CODE	T	ØD	I	C	L	L1	H	g
5920TR184	R 1/8"	4	8,0	16,0	22,5	21,0	11	1,0
5920TR144	R 1/4"	4	10,0	16,0	22,5	24,0	14	1,0
5920TR185	R 1/8"	5	8,0	21,0	28,0	24,0	11	1,0
5920TR145	R 1/4"	5	10,0	21,0	28,0	26,0	14	3,0
5920TR125	R 1/2"	5	13,0	21,0	28,0	30,0	22	6,0
5920TR186	R 1/8"	6	8,5	23,5	31,5	23,5	11	1,0
5920TR146	R 1/4"	6	10,0	23,0	31,0	26,0	14	3,0
5920TR386	R 3/8"	6	10,5	23,0	31,0	26,0	17	3,0
5920TR126	R 1/2"	6	13,0	23,5	31,5	30,0	22	7,0
5920TR188	R 1/8"	8	8,0	25,0	36,0	26,0	11	3,0
5920TR148	R 1/4"	8	10,0	25,0	36,0	28,0	14	3,0
5920TR388	R 3/8"	8	10,5	25,0	36,0	28,0	17	5,0
5920TR128	R 1/2"	8	13,0	25,0	36,0	30,5	22	7,0
5920TR1410	R 1/4"	10	10,0	27,0	39,0	28,0	14	4,0
5920TR3810	R 3/8"	10	10,5	27,0	39,0	28,0	17	6,0
5920TR1210	R 1/2"	10	13,0	27,0	39,0	30,5	22	8,0
5920TR3410	R 3/4"	10	14,5	27,0	39,0	33,5	27	9,9
5920TR1412	R 1/4"	12	10,0	28,0	41,0	28,0	14	7,0
5920TR3812	R 3/8"	12	10,5	28,0	41,0	28,0	17	8,0
5920TR1212	R 1/2"	12	13,0	28,0	41,0	32,0	22	9,0
5920TR3412	R 3/4"	12	14,5	28,0	41,0	34,0	27	12,0
5920TR3814	R 3/8"	14	10,5	29,5	42,5	31,5	17	9,0
5920TR1214	R 1/2"	14	13,0	29,5	42,5	34,0	22	11,0
5920TR3414	R 3/4"	14	14,5	29,5	42,5	37,5	27	14,4
5920TR1216	R 1/2"	16	12,5	30,0	44,0	36,0	22	13,0
5920TR3416	R 3/4"	16	14,5	30,0	44,0	39,0	27	14,0
5920TR1219	R 1/2"	19	12,5	31,0	45,0	36,0	22	15,0
5920TR3419	R 3/4"	19	15,0	31,0	45,0	38,0	27	16,6

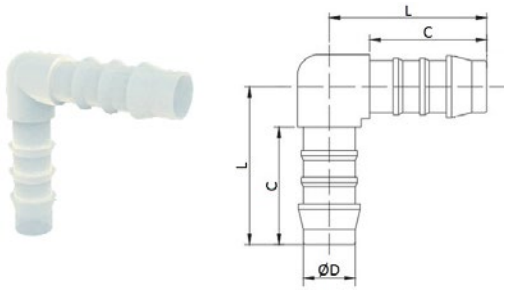
drawings and technical data are not binding & can be changed without notice

5925 Male tee barb connector BSPT thread



CODE	T	ØD	I	C	L	L1	H	g
5925TR184	R 1/8"	4	8,0	16,0	19,7	18,5	11	1,0
5925TR144	R 1/4"	4	10,5	16,0	22,6	21,5	14	2,5
5925TR185	R 1/8"	5	8,0	21,0	25,4	19,5	11	1,0
5925TR145	R 1/4"	5	10,5	21,0	28,2	22,5	14	3,0
5925TR186	R 1/8"	6	8,5	23,5	28,0	23,5	11	1,0
5925TR146	R 1/4"	6	10,5	23,0	31,5	23,0	14	3,0
5925TR386	R 3/8"	6	13,0	23,0	31,5	23,0	17	4,1
5925TR126	R 1/2"	6	12,5	23,0	31,5	27,0	22	7,1
5925TR188	R 1/8"	8	8,0	25,0	30,8	21,5	11	3,0
5925TR148	R 1/4"	8	10,5	25,0	36,3	24,5	14	5,0
5925TR388	R 3/8"	8	10,5	25,0	36,3	24,5	17	6,0
5925TR128	R 1/2"	8	13,0	25,0	31,0	28,5	22	7,5
5925TR1410	R 1/4"	10	10,0	27,0	39,3	28,0	14	6,4
5925TR3810	R 3/8"	10	10,5	27,0	39,3	28,0	17	7,3
5925TR1210	R 1/2"	10	12,5	27,0	39,4	30,5	22	9,6
5925TR3410	R 3/4"	10	13,0	27,0	39,4	31,5	27	11,8
5925TR1412	R 1/4"	12	10,0	28,0	41,3	28,0	14	15,0
5925TR3812	R 3/8"	12	10,5	28,0	41,3	28,0	17	9,0
5925TR1212	R 1/2"	12	13,0	28,0	41,3	31,5	22	12,6
5925TR3412	R 3/4"	12	13,0	28,0	41,3	31,5	27	14,3
5925TR3814	R 3/8"	14	10,5	29,5	42,8	31,5	17	12,8
5925TR1214	R 1/2"	14	12,5	29,5	42,8	34,0	22	15,0
5925TR3414	R 3/4"	14	13,0	30,0	42,8	35,0	27	17,9
5925TR1216	R 1/2"	16	12,5	30,0	44,1	36,0	22	15,0
5925TR3416	R 3/4"	16	13,5	30,0	44,2	37,0	27	18,6
5925TR1219	R 1/2"	19	12,5	31,0	45,1	36,0	22	19,6
5925TR3419	R 3/4"	19	13,5	31,0	45,3	36,0	27	21,6

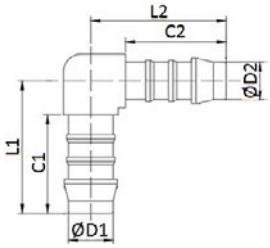
5930 Union elbow barb connector



CODE	ØD	C	L	g
5930TR4	4	16,0	23,0	1,0
5930TR5	5	21,0	28,5	1,2
5930TR6	6	23,0	31,5	1,5
5930TR8	8	25,0	36,5	3,0
5930TR10	10	27,0	39,0	4,0
5930TR12	12	28,0	40,0	7,0
5930TR14	14	29,5	42,5	9,0
5930TR16	16	30,0	44,0	11,0
5930TR19	19	31,0	45,0	13,0

5935 Reduced union elbow barb connector

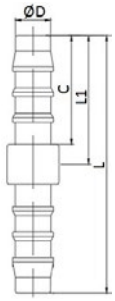




CODE	ØD1	ØD2	C1	C2	L1	L2	g
5935TR54	5	4	21,0	16,0	28,5	23,0	1,0
5935TR64	6	4	21,0	16,0	35,5	29,0	1,0
5935TR65	6	5	23,0	21,0	31,5	28,5	1,5
5935TR86	8	6	25,0	23,0	36,5	31,5	2,0
5935TR106	10	6	27,0	23,0	39,0	31,5	3,8
5935TR108	10	8	27,0	25,0	39,0	36,5	4,0
5935TR1210	12	10	28,0	27,0	40,0	39,0	7,0
5935TR1412	14	12	29,5	28,0	42,5	40,0	9,0
5935TR1614	16	14	30,0	29,5	44,0	42,5	11,0
5935TR1916	19	16	31,0	30,0	45,0	44,0	14,0

5940 Union barb connector

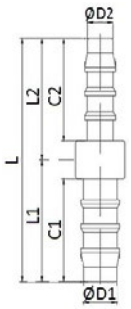




CODE	ØD	C	L	L1	g
5940TR4	4	16,0	36,6	18,0	1,0
5940TR5	5	21,0	47,0	23,5	1,2
5940TR6	6	23,0	52,2	26,0	1,5
5940TR8	8	25,0	59,3	29,0	2,0
5940TR10	10	27,0	63,0	31,5	3,0
5940TR12	12	28,0	66,0	33,0	4,0
5940TR14	14	29,5	71,8	35,5	7,5
5940TR16	16	30,0	72,5	36,0	9,0
5940TR19	19	31,0	73,5	37,0	11,0

5945 Reduced union barb connector

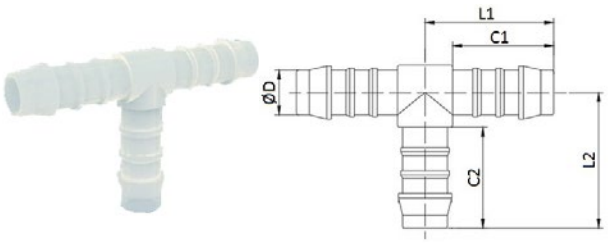




CODE	ØD1	ØD2	C1	L1	C2	L2	L	g
5945TR54	5	4	21,0	23,5	16,0	18,0	42,2	1,0
5945TR64	6	4	23,0	26,0	16,0	18,0	45,7	1,0
5945TR65	6	5	23,0	26,0	21,0	23,5	50,6	1,0
5945TR85	8	5	25,0	29,5	21,0	23,5	54,4	2,0
5945TR86	8	6	25,0	29,0	23,0	26,0	56,3	3,0
5945TR106	10	6	27,0	31,5	23,0	26,0	59,0	3,0
5945TR108	10	8	27,0	31,5	25,0	29,0	62,0	3,0
5945TR128	12	8	28,0	33,0	25,0	29,0	63,8	3,0
5945TR1210	12	10	28,0	33,0	27,0	31,5	65,3	5,0
5945TR1410	14	10	29,5	35,5	27,0	31,5	69,1	6,0
5945TR1412	14	12	29,5	35,5	28,0	33,0	70,0	7,0
5945TR1612	16	12	30,0	36,0	28,0	33,0	70,3	7,0
5945TR1614	16	14	30,0	36,0	29,5	35,5	71,7	8,0
5945TR1914	19	14	31,0	37,0	29,5	35,5	72,7	10,0
5945TR1916	19	16	31,0	37,0	30,0	36,0	73,2	10,0

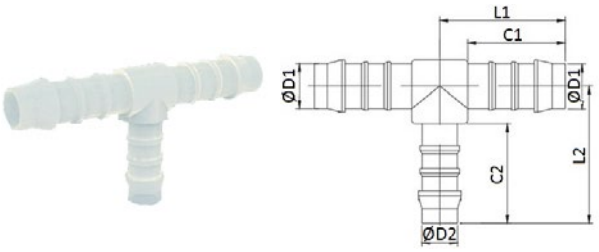
drawings and technical data are not binding & can be changed without notice

5950 Union tee barb connector



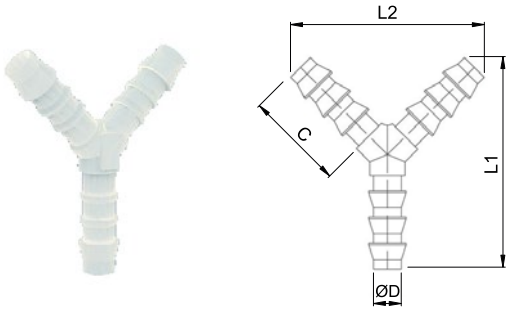
CODE	ØD	C1	L1	C2	L2	g
5950TR4	4	16,0	19,7	16,0	20,5	1,0
5950TR5	5	21,0	25,3	21,0	26,5	1,0
5950TR6	6	23,0	28,0	23,0	29,0	1,0
5950TR8	8	25,0	30,8	25,0	32,5	3,0
5950TR10	10	27,0	33,2	27,0	33,5	5,0
5950TR12	12	28,0	35,2	28,0	37,5	8,0
5950TR14	14	29,5	38,1	29,5	42,5	12,0
5950TR16	16	30,0	39,6	30,0	44,0	13,0
5950TR19	19	31,0	42,2	31,0	45,0	17,0

5955 Reduced union tee barb connector



CODE	ØD1	ØD2	C1	L1	C2	L2	g
5955TR54	5	4	21,0	25,3	16,0	21,5	1,0
5955TR65	6	5	23,0	27,8	21,0	27,0	2,0
5955TR86	8	6	25,0	30,7	23,0	30,5	3,0
5955TR108	10	8	27,0	33,2	25,0	34,0	4,0
5955TR1210	12	10	28,0	35,3	27,0	36,5	7,0
5955TR1412	14	12	29,5	38,3	28,0	38,5	11,0
5955TR1614	16	14	30,0	39,7	29,5	41,5	13,0
5955TR1916	19	16	31,0	42,3	30,0	43,0	17,0

5960 Union Y barb connector



CODE	ØD	C	L1	L2	g
5960TR4	4	16,5	35,0	31,0	1,0
5960TR6	6	23,5	51,2	44,5	1,5
5960TR8	8	25,5	56,6	40,6	3,0
5960TR10	10	24,0	62,3	55,0	5,0
5960TR17	17	24,0	63,3	57,7	7,0

drawings and technical data are not binding & can be changed without notice

BARB CONNECTORS STAINLESS STEEL AISI 316

D.M. 174

PLUS

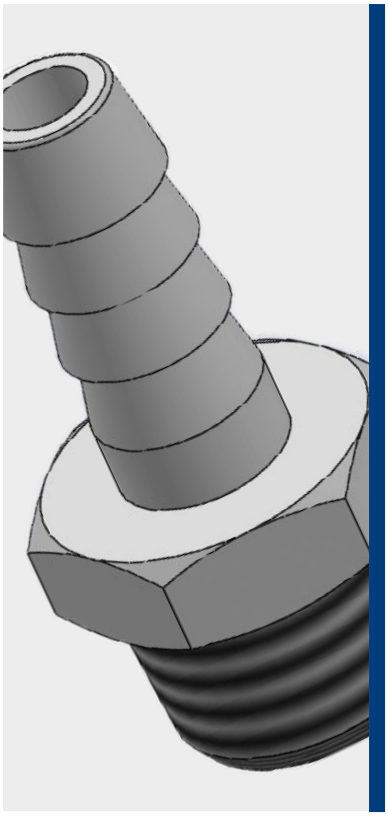
SUITABLE FOR FOOD AND POTABLE WATER

DESIGN WITH A STRONG BODY FOR HEAVY DUTY APPLICATIONS

UTILIZE WITH STAINLESS STEEL CLAMPS TO EFFECTIVELY SECURE THE TUBE



p. 244 / **1469**



-20°C ÷ +180°C
Subject to applications

Working pressure:
60 Bar
Depending on the tube used

Compressed air, potable water, oil and food fluids suitable with construction details

Taper gas BSPT ISO 7
from R1/8" to R3/4"

All plastic and rubber tubes compatible with the internal diameter, to be used only with suitable clamps

Body: Stailess steel AISI 316

Food contact materials
EC 1935/2004

D.M. 174/2004

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

DIAMETER OF THE BARB

BARB CONNECTORS - STAINLESS STEEL AISI 316 - TAPER GAS BSPT ISO 7

ØD (mm)	Ø6	Ø8	Ø9	Ø10	Ø14	Ø20
ØB (mm)	7,2	9,2	10	11,2	15,2	21,0

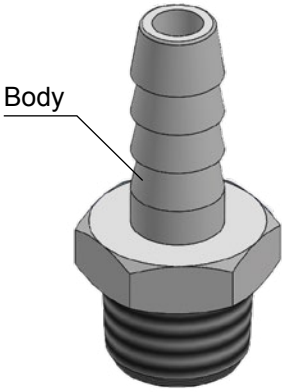


TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	2,5	3,5	6	12	-

CONSTRUCTION DETAILS

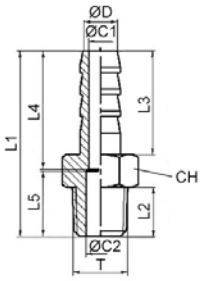


drawings and technical data are not binding & can be changed without notice

1469

Male barb connector BSPT thread





CODE	T	ØD	L1	L2	L3	L4	L5	ØC1	ØC2	CH	g
1469TR186	R 1/8"	6	34,0	9,0	19,0	21,7	12,0	4,0	5,0	12	13,0
1469TR148	R 1/4"	8	35,5	10,5	19,0	21,1	14,0	5,5	7,0	14	18,0
1469TR149	R 1/4"	9	35,5	10,5	19,5	21,7	14,0	5,5	7,1	14	21,0
1469TR3810	R 3/8"	10	41,5	11,5	23,0	25,9	15,0	8,0	10,0	17	26,0
1469TR1214	R 1/2"	14	51,0	15,0	28,0	32,4	18,0	11,0	13,0	22	54,0
1469TR3420	R 3/4"	20	65,0	18,0	37,0	40,8	23,0	14,0	18,0	27	119,0

drawings and technical data are not binding & can be changed without notice

BARB CONNECTORS CLAMPS

PLUS

- WIDE RANGE OF AVAILABLE MATERIALS
- MANY DIAMETERS AVAILABLE TO MEET DIFFERENT NEEDS
- EASY TO USE
- DESIGNED TO GUARANTEE A GREAT CLAMPING FORCE AND HIGH RESISTANCE TO BREAKAGE
- PROTECTION FOR THE FLEXIBLE TUBE THANKS TO THE INTERNAL SMOOTH SIDE OF THE BAND



p. 248 / **KC9**



p. 248 / **KCW9**



p. 249 / **KCX9**



p. 249 / **5090**

TECHNICAL SPECIFICATIONS

KC9

TUBE DIAMETER:
From Ø8 to Ø90

CONSTRUCTION MATERIALS:
Housing & band: Zinc-plated steel with Chromium VI-free galvanisation treatment (EU RoHS Directive)
Screw: Zinc-plated steel with Chromium VI-free galvanisation treatment (EU RoHS Directive)

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

KCW9

TUBE DIAMETER:
From Ø8 to Ø90

CONSTRUCTION MATERIALS:
Housing & band: Stainless steel AISI 304
Screw: Stainless steel AISI 304

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

KCX9

TUBE DIAMETER:
From Ø8 to Ø90

CONSTRUCTION MATERIALS:
Housing & band: Stainless steel AISI 316
Screw: Stainless steel AISI 316

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

5090

WORKING TEMPERATURE:
+4°C ÷ +90°C

TUBE DIAMETER:
From Ø8 to Ø49

CONSTRUCTION MATERIALS:
Body: Acetal resin

FEATURES:
Acetal resin clamps are strong, durable and reusable

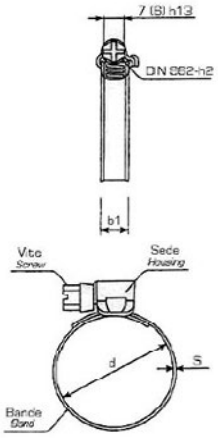
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

KC9

Hose clamp DIN 3017, with band, housing and screw in zinc-plated steel



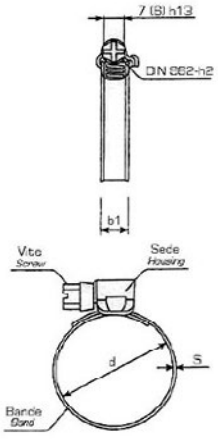


CODE	Ø CAMP (mm)	BANDWIDTH (mm)	b1 SCREW (mm)	THICKNESS (mm)	TORQUE (Nm)
KC9-0812	8-12	9,0	7,0	0,7	4,5
KC9-1016	10-16	9,0	7,0	0,7	4,5
KC9-1220	12-20	9,0	7,0	0,7	4,5
KC9-1222	12-22	9,0	7,0	0,7	4,5
KC9-1625	16-25	9,0	7,0	0,7	4,5
KC9-1627	16-27	9,0	7,0	0,7	4,5
KC9-2032	20-32	9,0	7,0	0,7	4,5
KC9-2535	25-35	9,0	7,0	0,7	4,5
KC9-2540	25-40	9,0	7,0	0,7	4,5
KC9-3045	30-45	9,0	7,0	0,7	4,5
KC9-3250	32-50	9,0	7,0	0,7	4,5
KC9-4060	40-60	9,0	7,0	0,7	4,5
KC9-5070	50-70	9,0	7,0	0,7	4,5
KC9-6080	60-80	9,0	7,0	0,7	4,5
KC9-7090	70-90	9,0	7,0	0,7	4,5

KCW9

Hose clamp DIN 3017, with band, housing and screw in stainless steel AISI 304





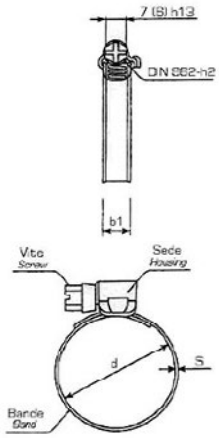
CODE	Ø CAMP (mm)	BANDWIDTH (mm)	b1 SCREW (mm)	THICKNESS (mm)	TORQUE (Nm)
KCW9-0812	8-12	9,0	7,0	0,7	4,5
KCW9-1016	10-16	9,0	7,0	0,7	4,5
KCW9-1220	12-20	9,0	7,0	0,7	4,5
KCW9-1222	12-22	9,0	7,0	0,7	4,5
KCW9-1625	16-25	9,0	7,0	0,7	4,5
KCW9-1627	16-27	9,0	7,0	0,7	4,5
KCW9-2032	20-32	9,0	7,0	0,7	4,5
KCW9-2535	25-35	9,0	7,0	0,7	4,5
KCW9-2540	25-40	9,0	7,0	0,7	4,5
KCW9-3045	30-45	9,0	7,0	0,7	4,5
KCW9-3250	32-50	9,0	7,0	0,7	4,5
KCW9-4060	40-60	9,0	7,0	0,7	4,5
KCW9-5070	50-70	9,0	7,0	0,7	4,5
KCW9-6080	60-80	9,0	7,0	0,7	4,5
KCW9-7090	70-90	9,0	7,0	0,7	4,5

drawings and technical data are not binding & can be changed without notice

KCX9

Hose clamp DIN 3017, with band, housing and screw in stainless steel AISI 316



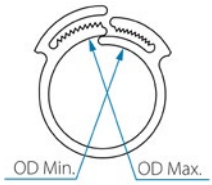


CODE	Ø CAMP (mm)	BANDWIDTH (mm)	b1 SCREW (mm)	THICKNESS (mm)	TORQUE (Nm)
KCX9-0812	8-12	9,0	7,0	0,7	4,5
KCX9-1016	10-16	9,0	7,0	0,7	4,5
KCX9-1220	12-20	9,0	7,0	0,7	4,5
KCX9-1222	12-22	9,0	7,0	0,7	4,5
KCX9-1625	16-25	9,0	7,0	0,7	4,5
KCX9-1627	16-27	9,0	7,0	0,7	4,5
KCX9-2032	20-32	9,0	7,0	0,7	4,5
KCX9-2535	25-35	9,0	7,0	0,7	4,5
KCX9-2540	25-40	9,0	7,0	0,7	4,5
KCX9-3045	30-45	9,0	7,0	0,7	4,5
KCX9-3250	32-50	9,0	7,0	0,7	4,5
KCX9-4060	40-60	9,0	7,0	0,7	4,5
KCX9-5070	50-70	9,0	7,0	0,7	4,5
KCX9-6080	60-80	9,0	7,0	0,7	4,5
KCX9-7090	70-90	9,0	7,0	0,7	4,5

5090

Acetal resin hose clamp





CODE	O.D. MIN	O.D. MAX
5090TR810	8	10
5090TR1012	10	12
5090TR1113	11	13
5090TR1315	13	15
5090TR1416	14	16
5090TR1517	15	17
5090TR1618	16	18
5090TR1719	17	19
5090TR1820	18	20
5090TR2022	20	22
5090TR2123	21	23
5090TR2325	23	25
5090TR2628	26	28
5090TR4749	47	49

Hose clamps in 5090 acetal resin are the simple and fast solution for securing flexible hoses to any fittings.

How to use: insert snap clip onto the tube and give a manual pression to garantee a perfect adherence. Use a plier for final tightening.

How to release: apply lateral pressure to unlock it. 5090 hose clamps are relisable.

TierreGroup®
Always a fittings solution

Da sempre **unia**  **mo** alte prestazioni a rapidità di consegna.

FOLLOW US!

STANDARD FITTINGS



TECHNICAL INDEX



p. 253

MICROCAST

Materials: Stainless steel AISI 316
Pressure: 16 Bar
Temperature: from -20°C to 200°C
Range: R1/8" to R4"
G1/8" to G4"



p. 263

BRASS

Materials: Nickel-plated brass
Pressure: 60 Bar
Temperature: from -20°C to 100°C
from -15°C to 200°C
Range: R1/8" to R1"
M5 to G1"



p. 279

BAYONED JOINT

Materials: Nickel-plated brass
Pressure: 12 Bar
Temperature: from -18°C to 18°C
Range: G1/8" to G1/2"



p. 289

NYLON

Materials: Nylon 66
Pressure: 14 Bar
Temperature: from -20°C to 110°C
Range: R1/8" to R3/4"
N1/8" to N3/4"



p. 299

PVDF

Materials: PVDF
Pressure: 14 Bar
Temperature: from -20°C to 120°C
Range: R1/8" to R1"



p. 307

STAINLESS STEEL AISI 316

Materials: Stainless steel AISI 316
Temperature: from -20°C to 180°C
from -198°C to 648°C
Range: R1/8" to R1"
G1/8" to G1"
N1/8" to N1"

STANDARD FITTINGS MICROCAST

PLUS

STRONG BODY SUITABLE FOR INDUSTRIAL SYSTEMS

WIDE RANGE OF SIZES AND ARTICLES FOR MANY APPLICATIONS

GOOD RESISTANCE TO CORROSION



p. 256 / **1410MF**



p. 256 / **1412MF**



p. 257 / **1416MF**



p. 257 / **1420MF-P3**



p. 257 / **1425MF-P3**



p. 258 / **1425MF**



p. 258 / **1426MF**



p. 259 / **1440MF**



p. 259 / **1450MF**



p. 260 / **1455MF**



p. 260 / **1469MF**



p. 260 / **1475MF**



p. 261 / **1480MF**



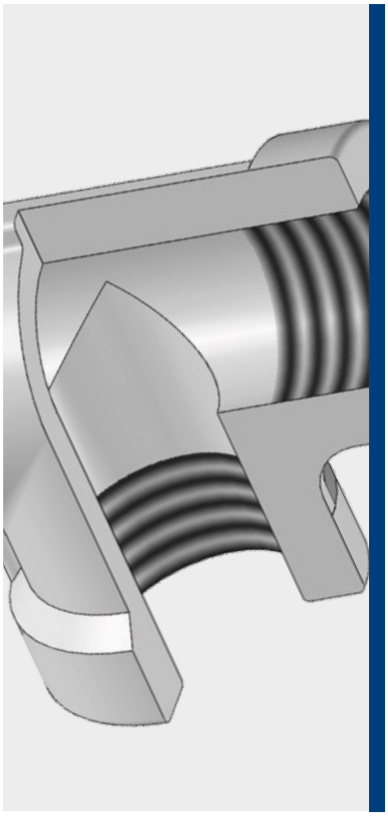
p. 261 / **1482MF**



p. 261 / **1485MF**



p. 262 / **1490MF**



-20°C ÷ +225°C

Working pressure
Up to 120°C:
From 1/8" to 2": 16 Bar
From 2-1/2" to 4": 10 Bar
Up to 225°C:
From 1/8" to 3/4": 16 Bar
From 1" to 2": 10 Bar
From 2-1/2" to 4": 6 Bar

- Taper gas BSPT EN10226-1 from R1/8" to R4"
- Parallel gas BSPP EN10226-1 from G1/8" to G4"

Body: Microcast in stainless steel AISI 316

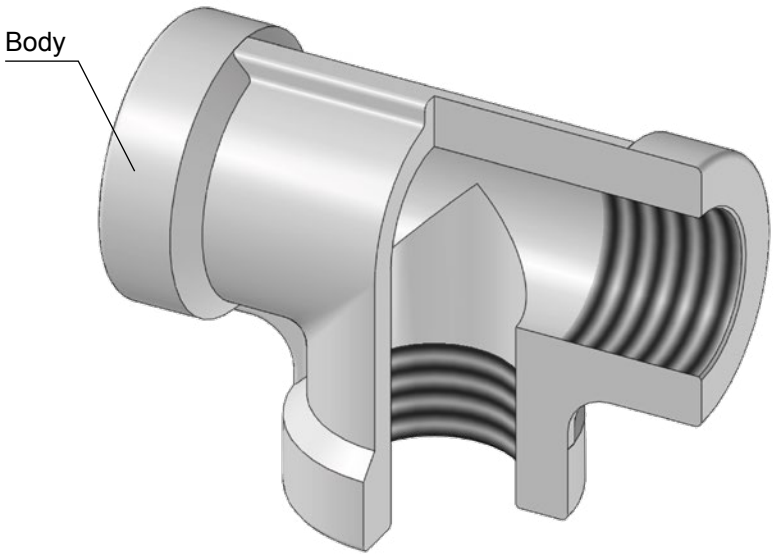
FEATURES

Pressure for intermediate temperatures may be determinated by interpolation method. Indicated temperatures are reffering to the fluid.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

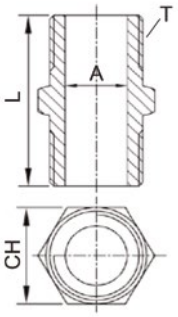
CONSTRUCTION DETAILS



1410MF

Nipple connector BSPT thread



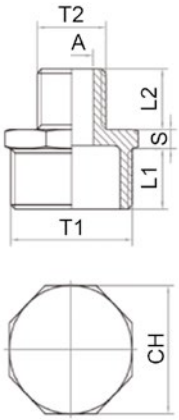


CODE	T	A	L	CH
1410MF18	R 1/8"	5,6	23,0	12
1410MF14	R 1/4"	9,0	25,0	14,5
1410MF38	R 3/8"	11,2	28,5	17,5
1410MF12	R 1/2"	14,7	37,0	22,6
1410MF34	R 3/4"	20,0	41,0	27,7
1410MF1	R 1"	26,6	45,5	36
1410MF114	R 1-1/4"	35,0	50,0	43,5
1410MF112	R 1-1/2"	40,0	53,3	50
1410MF2	R 2"	50,0	61,0	63
1410MF212	R 2-1/2"	64,3	72,0	77,5
1410MF3	R 3"	77,3	77,0	91,5
1410MF4	R 4"	101,0	83,0	116

1412MF

Reduced nipple connector BSPT thread





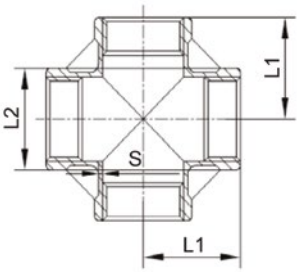
CODE	T1	T2	A	L1	L2	S	CH
1412MF1418	R 1/4"	R 1/8"	5,6	12,1	9,3	5,7	15
1412MF3814	R 3/8"	R 1/4"	9	12,0	12,0	6,0	18,5
1412MF1218	R 1/2"	R 1/8"	5,6	14,5	8,8	5,5	22
1412MF1214	R 1/2"	R 1/4"	9	14,5	11,7	5,8	22
1412MF1238	R 1/2"	R 3/8"	11,2	14,6	12,3	5,5	22,5
1412MF3414	R 3/4"	R 1/4"	9	15,5	11,3	6,0	28
1412MF3412	R 3/4"	R 1/2"	14,7	17,0	14,5	6,3	28,4
1412MF112	R 1"	R 1/2"	14,7	19,0	15,0	6,3	34,5
1412MF134	R 1"	R 3/4"	20	18,3	16,6	7,0	35,2
1412MF11412	R 1-1/4"	R 1/2"	14,7	20,2	15,0	7,8	44,2
1412MF1141	R 1-1/4"	R 1"	26,6	20,5	18,3	7,8	44
1412MF1121	R 1-1/2"	R 1"	26,6	20,8	18,6	9,9	49,9
1412MF112114	R 1-1/2"	R 1-1/4"	35	20,8	20,3	9,9	50
1412MF21	R 2"	R 1"	26,6	26,0	18,6	9,4	62
1412MF2114	R 2"	R 1-1/4"	35	25,3	20,7	10,3	61,9
1412MF2112	R 2"	R 1-1/2"	40	26,0	21,5	10,3	62

drawings and technical data are not binding & can be changed without notice

1416MF

Female cross BSPP thread



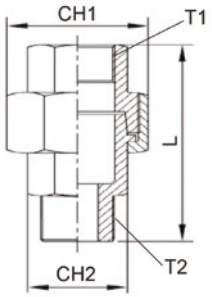


CODE	T	L1	L2	S
1416MF14	G 1/4"	18,0	16,5	2,3
1416MF38	G 3/8"	21,0	20,0	2,2
1416MF12	G 1/2"	25,0	26,0	1,7
1416MF34	G 3/4"	30,0	32,0	1,8
1416MF1	G 1"	34,0	39,0	2,1
1416MF114	G 1-1/4"	40,0	47,0	2,1
1416MF112	G 1-1/2"	44,0	54,5	2,1
1416MF2	G 2"	53,5	67,0	2,1

1420MF-P3

Nipple M/F 3 pieces, male BSPT thread and female BSPP thread



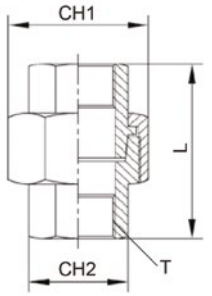


CODE	T1	T2	L	CH1	CH2
1420MF18P3	G 1/8"	R 1/8"	38,0	25	13
1420MF14P3	G 1/4"	R 1/4"	44,0	30,5	17
1420MF38P3	G 3/8"	R 3/8"	47,5	34	20,5
1420MF12P3	G 1/2"	R 1/2"	47,5	34,4	23,8
1420MF34P3	G 3/4"	R 3/4"	51,7	41,2	29,2
1420MF1P3	G 1"	R 1"	60,0	48,3	36,5
1420MF114P3	G 1-1/4"	R 1-1/4"	64,0	60,3	46
1420MF112P3	G 1-1/2"	R 1-1/2"	67,5	66,5	52
1420MF2P3	G 2"	R 2"	75,5	79	64
1420MF212P3	G 2-1/2"	R 2-1/2"	84,5	96,5	80
1420MF3P3	G 3"	R 3"	96,0	110	93,5
1420MF4P3	G 4"	R 4"	107,5	141	118,5

1425MF-P3

Nipple F/F 3 pieces BSPP thread



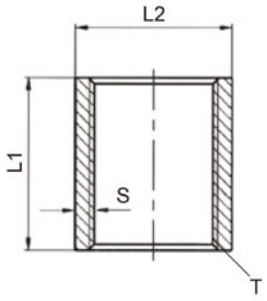


CODE	T	L	CH1	CH2
1425MF18P3	G 1/8"	30,0	25	13
1425MF14P3	G 1/4"	33,5	30,5	17
1425MF38P3	G 3/8"	36,5	34	20,5
1425MF12P3	G 1/2"	34,7	34,4	23,8
1425MF34P3	G 3/4"	37,5	41,2	29,2
1425MF1P3	G 1"	43,0	48,3	36,5
1425MF114P3	G 1-1/4"	45,5	60,3	46
1425MF112P3	G 1-1/2"	49,0	66,5	52
1425MF2P3	G 2"	57,0	79	64
1425MF212P3	G 2-1/2"	66,0	96,5	80
1425MF3P3	G 3"	74,0	110	93,5
1425MF4P3	G 4"	82,5	141	118,5

1425MF

Sleeve F/F BSPP thread



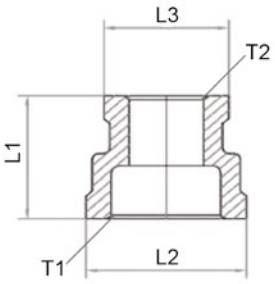


CODE	T	L1	L2	S
1425MF18	G 1/8"	18,0	14,0	2,8
1425MF14	G 1/4"	24,0	18,0	3,3
1425MF38	G 3/8"	29,0	20,5	2,9
1425MF12	G 1/2"	32,0	24,5	3,2
1425MF34	G 3/4"	34,0	30,0	3,1
1425MF1	G 1"	41,0	37,0	3,5
1425MF114	G 1-1/4"	47,0	46,5	3,9
1425MF112	G 1-1/2"	47,0	51,5	3,5
1425MF2	G 2"	61,0	67,0	5,3
1425MF212	G 2-1/2"	70,0	84,5	6,7
1425MF3	G 3"	75,0	96,0	6,2
1425MF4	G 4"	86,0	125,0	8,2

1426MF

Reduced sleeve F/F BSPP thread



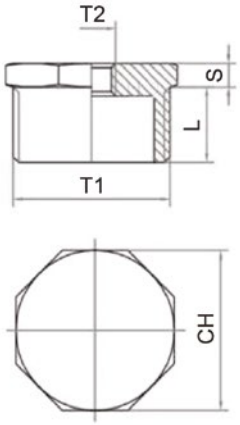


CODE	T1	T2	L1	L2	L3
1426MF3814	G 3/8"	G 1/4"	28,1	22,0	17,5
1426MF1238	G 1/2"	G 3/8"	31,7	26,1	21,0
1426MF3412	G 3/4"	G 1/2"	36,6	32,1	27,0
1426MF134	G 1"	G 3/4"	40,0	39,5	32,0
1426MF1141	G 1-1/4"	G 1"	43,2	48,9	39,0
1426MF112114	G 1-1/2"	G 1-1/4"	46,0	55,3	48,5
1426MF2112	G 2"	G 1-1/2"	51,5	69,0	55,5

1440MF

M/F reducer, male BSPT thread & female BSPP thread



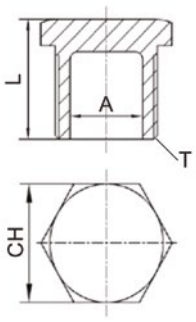


CODE	T1	T2	L	S	CH
1440MF1418	R 1/4"	G 1/8"	11,0	4,0	15
1440MF3818	R 3/8"	G 1/8"	11,5	3,5	17,5
1440MF3814	R 3/8"	G 1/4"	12,7	5,0	18,5
1440MF1218	R 1/2"	G 1/8"	15,2	4,8	22,5
1440MF1214	R 1/2"	G 1/4"	15,4	4,8	22,5
1440MF1238	R 1/2"	G 3/8"	15,1	4,8	22,5
1440MF3414	R 3/4"	G 1/4"	16,6	5,7	28
1440MF3438	R 3/4"	G 3/8"	16,7	5,8	28,3
1440MF3412	R 3/4"	G 1/2"	16,9	5,6	28,5
1440MF112	R 1"	G 1/2"	18,9	7,0	34,8
1440MF134	R 1"	G 3/4"	18,8	7,2	35
1440MF11412	R 1-1/4"	G 1/2"	20,5	8,5	44
1440MF11434	R 1-1/4"	G 3/4"	20,3	8,5	43,4
1440MF1141	R 1-1/4"	G 1"	20,6	8,4	43,9
1440MF11234	R 1-1/2"	G 3/4"	21,5	8,5	49
1440MF1121	R 1-1/2"	G 1"	21,6	8,4	49
1440MF112114	R 1-1/2"	G 1-1/4"	21,8	8,2	49
1440MF21	R 2"	G 1"	25,6	8,4	61,8
1440MF2114	R 2"	G 1-1/4"	25,5	8,5	62,5
1440MF2112	R 2"	G 1-1/2"	25,4	8,8	62,3
1440MF212112	R 2-1/2"	G 1-1/2"	28,1	10,7	78,3
1440MF2122	R 2-1/2"	G 2"	28,2	10,8	78
1440MF32	R 3"	G 2"	28,5	12,0	89,8
1440MF3212	R 3"	G 2-1/2"	30,2	11,8	92,5
1440MF43	R 4"	G 3"	34,8	13,0	115,8

1450MF

Male plug BSPT thread



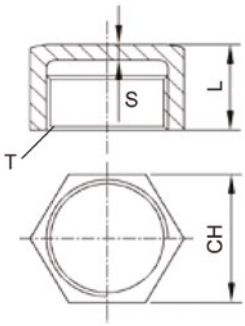


CODE	T	L	A	CH
1450MF18	R 1/8"	14,0	0	12
1450MF14	R 1/4"	17,0	0	15
1450MF38	R 3/8"	17,8	0	18
1450MF12	R 1/2"	20,9	15,0	22
1450MF34	R 3/4"	25,0	21,0	28
1450MF1	R 1"	26,7	26,0	36
1450MF114	R 1-1/4"	30,5	35,0	43,6
1450MF112	R 1-1/2"	30,6	40,3	50
1450MF2	R 2"	34,3	51,6	62
1450MF212	R 2-1/2"	39,0	67,0	78
1450MF3	R 3"	42,0	78,5	92
1450MF4	R 4"	47,0	103,0	116

1455MF

Female plug BSPP thread





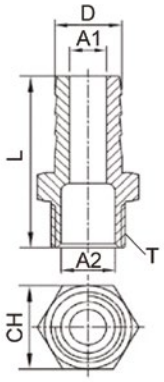
	CODE	T	L	S	CH
	1455MF18	G 1/8"	12,5	2,4	12,5
	1455MF14	G 1/4"	16,0	2,6	16
	1455MF38	G 3/8"	16,5	3,5	18,8
	1455MF12	G 1/2"	19,0	3,7	25
*	1455MF34	G 3/4"	24,0	2,5	31
*	1455MF1	G 1"	26,0	3,2	37,5
*	1455MF114	G 1-1/4"	29,0	3,3	47
*	1455MF112	G 1-1/2"	25,0	3,5	53
*	1455MF2	G 2"	29,5	3,5	64,5
*	1455MF212	G 2-1/2"	32,0	3,5	80,5
*	1455MF3	G 3"	38,5	3,5	93
*	1455MF4	G 4"	41,0	3,8	121

* Octagonal wrench

1469MF

Barb connector BSPT thread



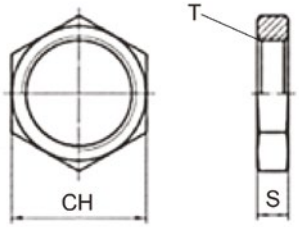


CODE	T	D	A1	A2	L	CH
1469MF18T7	R 1/8"	7,0	4,2	4,3	41,0	11,2
1469MF14T9	R 1/4"	9,0	5,0	8,0	48,0	15
1469MF38T11	R 3/8"	11,0	7,0	11,3	48,0	18,3
1469MF12T15	R 1/2"	15,0	10,0	15,4	52,6	22
1469MF34T20	R 3/4"	20,0	15,1	20,0	61,0	28
1469MF1T27	R 1"	26,0	20,4	26,2	66,0	36
1469MF114T34	R 1-1/4"	34,0	27,8	35,4	66,0	43,5
1469MF112T40	R 1-1/2"	40,5	33,8	40,2	68,5	50
1469MF2T52	R 2"	52,5	45,7	51,5	82,0	62
1469MF212T65	R 2-1/2"	63,5	55,0	64,2	96,5	77,5
1469MF3T77	R 3"	76,1	66,8	77,3	105,0	91,5
1469MF4T105	R 4"	100,0	90,6	102,2	115,0	115,5

1475MF

Bulkhead locking nut





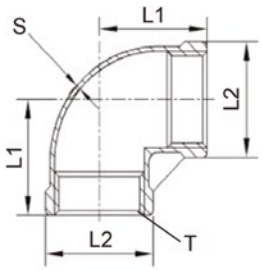
CODE	T	S	CH
1475MF18	G 1/8"	7,0	15
1475MF14	G 1/4"	6,0	19,2
1475MF38	G 3/8"	6,5	24
1475MF12	G 1/2"	8,0	26,5
1475MF34	G 3/4"	10,0	32
1475MF1	G 1"	10,0	38,5
1475MF114	G 1-1/4"	11,2	48
1475MF112	G 1-1/2"	12,0	55
1475MF2	G 2"	13,3	68

drawings and technical data are not binding & can be changed without notice

1480MF

Female elbow 90° BSPP thread



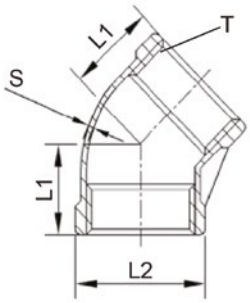


CODE	T	L1	L2	S
1480MF18	G 1/8"	16,0	14,0	1,6
1480MF14	G 1/4"	18,0	16,5	1,7
1480MF38	G 3/8"	21,0	20,0	1,5
1480MF12	G 1/2"	25,0	26,0	1,6
1480MF34	G 3/4"	30,0	32,0	1,7
1480MF1	G 1"	34,0	39,2	2,1
1480MF114	G 1-1/4"	40,0	47,2	2,2
1480MF112	G 1-1/2"	43,5	54,5	2,4
1480MF2	G 2"	53,5	67,0	2,7
1480MF212	G 2-1/2"	63,5	85,0	3,3
1480MF3	G 3"	74,0	97,5	2,8
1480MF4	G 4"	89,0	124,5	3,8

1482MF

Female elbow 45° BSPP thread



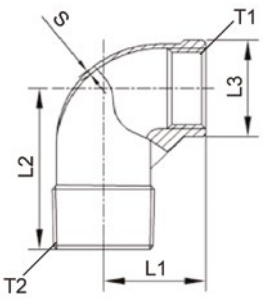


CODE	T	L1	L2	S
1482MF14	G 1/4"	16,0	17,5	2,0
1482MF38	G 3/8"	18,0	21,0	2,2
1482MF12	G 1/2"	20,0	26,0	1,8
1482MF34	G 3/4"	25,0	32,0	1,9
1482MF1	G 1"	27,0	39,0	2,0
1482MF114	G 1-1/4"	32,0	49,0	2,3
1482MF112	G 1-1/2"	33,0	55,2	2,3
1482MF2	G 2"	40,0	68,0	2,5

1485MF

Elbow 90°, male BSPT thread & female BSPP thread



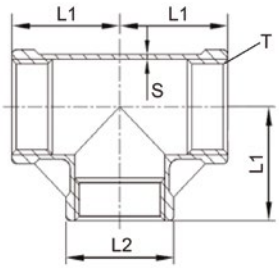


CODE	T1	T2	L1	L2	L3	S
1485MF18	G 1/8"	R 1/8"	18,0	26,0	16,0	2,8
1485MF14	G 1/4"	R 1/4"	20,0	30,0	17,0	2,0
1485MF38	G 3/8"	R 3/8"	21,0	31,0	20,0	2,2
1485MF12	G 1/2"	R 1/2"	22,0	31,0	26,0	2,2
1485MF34	G 3/4"	R 3/4"	27,0	37,0	32,0	2,1
1485MF1	G 1"	R 1"	33,0	46,0	39,0	2,2
1485MF114	G 1-1/4"	R 1-1/4"	38,0	52,0	47,0	2,5
1485MF112	G 1-1/2"	R 1-1/2"	42,0	58,0	54,5	2,6
1485MF2	G 2"	R 2"	51,0	67,0	67,5	2,6
1485MF212	G 2-1/2"	R 2-1/2"	64,0	81,0	84,0	3,3
1485MF3	G 3"	R 3"	74,0	92,0	96,8	3,0
1485MF4	G 4"	R 4"	89,0	108,0	124,0	4,0

1490MF

Female tee BSPP thread





CODE	T	L1	L2	S
1490MF18	G 1/8"	16,0	14,0	1,9
1490MF14	G 1/4"	19,0	17,0	1,5
1490MF38	G 3/8"	21,0	20,0	2,3
1490MF12	G 1/2"	25,0	26,0	1,8
1490MF34	G 3/4"	30,0	32,0	1,9
1490MF1	G 1"	34,0	39,2	2,1
1490MF114	G 1-1/4"	40,0	42,0	2,3
1490MF112	G 1-1/2"	44,0	54,0	2,4
1490MF2	G 2"	53,5	67,5	2,5
1490MF212	G 2-1/2"	64,0	84,0	3,3
1490MF3	G 3"	73,0	97,0	3,3
1490MF4	G 4"	93,5	125,6	4,6

drawings and technical data are not binding & can be changed without notice

STANDARD FITTINGS BRASS

PLUS

BODY THAT GUARANTEES A GOOD MECHANICAL RESISTANCE

SUITABLE FOR DIFFERENT NEEDS IN PNEUMATIC AND INDUSTRIAL SECTORS

WIDE RANGE OF THREADS AND CONFIGURATIONS AVAILABLE


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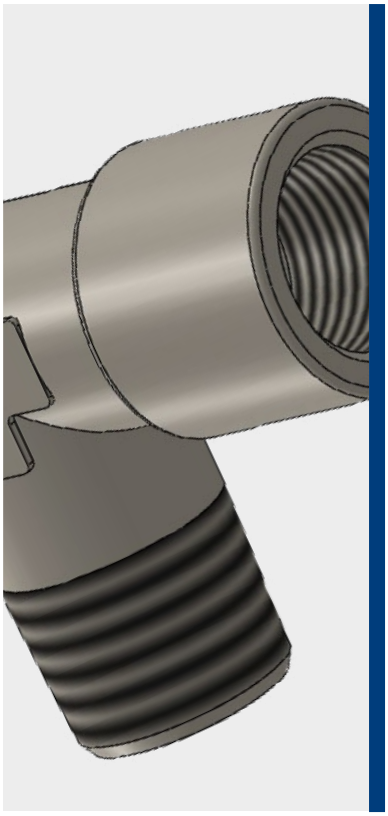

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-20°C ÷ 100°C with NBR o-ring
-15°C ÷ 200°C with Viton o-ring
The working temperature is determined by the properties of the tube used

Working pressure:
60 Bar
20 Bar (1110-3PCS)

Compressed air, water, oil and fluids suitable with construction materials

- Taper gas BSPT ISO 7
  from R1/8" to R1"
- Parallel gas BSPP ISO 228
  from G1/8" to G1"
- Metric ISO 262
  M5

Body: Nickel-plated brass
- Turning: UNI EN 12164 CW614N
- Hot forging & machining:
  UNI EN 12165 CW617N
- 1322 & 1110-3PCS: Yellow brass
  UNI EN 12165 CW614N

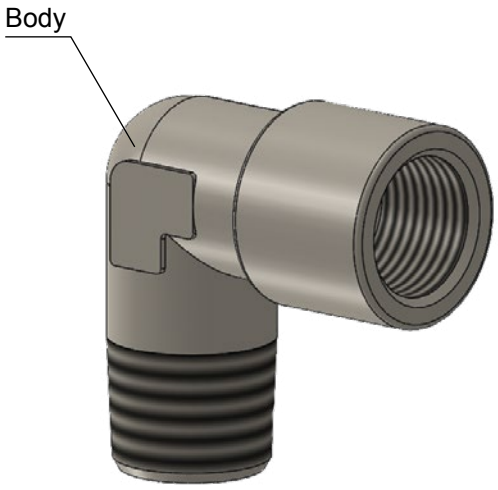
O-ring: NBR or Viton

AVAILABILITY:
- Available on request and with minimum quantity in yellow brass
- Available on request with NBR or Viton o-ring

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	8	12	14	16	18	20

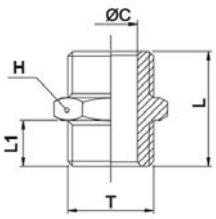
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Nm	0,8	1,2	1,5	2,5	3,5	4,5	5,5

drawings and technical data are not binding & can be changed without notice

1105 Nipple BSPP & metric thread

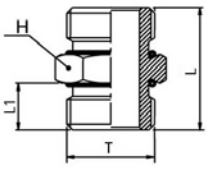




CODE	T	ØC	L	L1	H	g
1105TRM5	M5x0,8	2,5	11,0	4	8	2,0
1105TR18	G 1/8"	6,0	18,5	7	14	9,0
1105TR14	G 1/4"	8,5	21,0	8	17	15,0
1105TR38	G 3/8"	11,5	23,0	9	19	21,0
1105TR12	G 1/2"	15,0	25,0	10	24	34,0
1105TR34	G 3/4"	20,0	27,5	11	30	53,0
1105TR1	G 1"	26,0	32,0	13	36	84,0

1106 Nipple BSPP thread with NBR O-ring

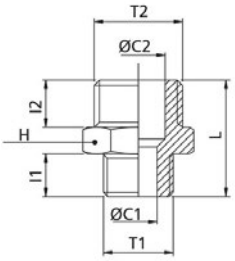




CODE	T	L	L1	H	g
1106TR18	G 1/8"	14	6,5	17,5	8,0
1106TR14	G 1/4"	17	8	21	16,0
1106TR38	G 3/8"	20	9	23	24,0
1106TR12	G 1/2"	24	10	26	38,0

1107 Reduced nipple BSPP & metric thread

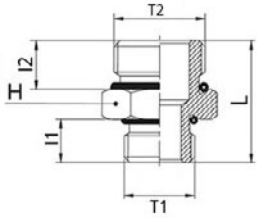




CODE	T1	T2	ØC1	ØC2	I1	I2	L	H	g
1107TRM518	M5x0,8	G 1/8"	2,5	6,0	5,0	6,5	15,5	14	7,0
1107TR1814	G 1/8"	G 1/4"	5,5	8,5	6,5	8,0	19,0	17	14,0
1107TR1838	G 1/8"	G 3/8"	5,5	11,5	6,5	9,0	20,5	19	19,0
1107TR1438	G 1/4"	G 3/8"	8,5	11,5	8,0	9,0	22,0	19	19,0
1107TR1412	G 1/4"	G 1/2"	8,0	15,0	9,0	10,0	24,5	24	35,0
1107TR3812	G 3/8"	G 1/2"	11,0	15,0	9,0	10,0	24,5	24	36,0
1107TR3834	G 3/8"	G 3/4"	11,0	20,0	10,0	11,0	26,5	30	52,0
1107TR1234	G 1/2"	G 3/4"	15,0	20,0	11,0	11,0	27,5	30	52,0
1107TR341	G 3/4"	G 1"	20,0	25,5	11,0	13,0	30,0	36	71,0

1108 Reduced nipple BSPP thread with NBR O-ring



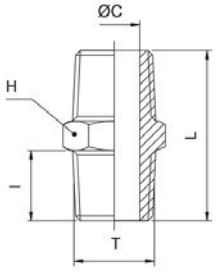


CODE	T1	T2	L	I1	I2	H	g
1108TR1814	G 1/8"	G 1/4"	19,5	6,5	8	17	14,0
1108TR1838	G 1/8"	G 3/8"	21	6,5	9	20	22,0
1108TR1438	G 1/4"	G 3/8"	22	8	9	20	24,0
1108TR1412	G 1/4"	G 1/2"	24	8	10	24	34,0
1108TR3812	G 3/8"	G 1/2"	25	9	10	24	34,0

drawings and technical data are not binding & can be changed without notice

1110 Nipple BSPT thread

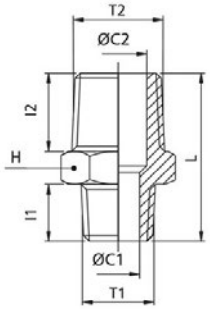




CODE	T	ØC	I	L	H	g
1110TR18	R 1/8"	6,0	7,5	19,0	12	7,0
1110TR14	R 1/4"	7,5	11,0	26,5	14	16,0
1110TR38	R 3/8"	11,5	11,0	27,0	17	23,0
1110TR12	R 1/2"	15,0	12,5	30,5	22	79,0
1110TR34	R 3/4"	20,0	14,0	34,5	27	61,0
1110TR1	R 1"	26,0	15,5	37,0	34	92,0

1112 Reduced nipple BSPT thread

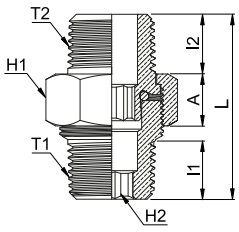




CODE	T1	T2	ØC1	ØC2	I1	I2	L	H	g
1112TR1814	R 1/8"	R 1/4"	5,5	8,5	7,5	11,0	23,0	14	12,0
1112TR1838	R 1/8"	R 3/8"	5,5	11,5	7,5	11,0	23,5	17	19,0
1112TR1438	R 1/4"	R 3/8"	8,5	11,5	10,5	11,0	26,5	17	21,0
1112TR1412	R 1/4"	R 1/2"	8,0	15,0	10,5	12,5	28,5	22	32,0
1112TR3812	R 3/8"	R 1/2"	11,0	15,0	10,5	12,5	28,5	22	35,0
1112TR1234	R 1/2"	R 3/4"	15,0	20,0	12,5	14,0	32,5	27	58,0
1112TR341	R 3/4"	R 1"	20,0	25,5	13,0	15,5	35,5	34	91,0

1113 Swivel male nipple 3 pieces BSPT thread

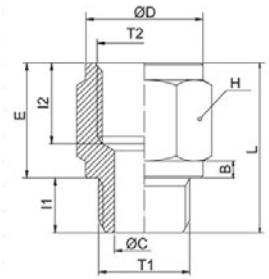




CODE	T1	T2	L	I1	I2	A	H1	H2
1113TR1818	R 1/8"	R 1/8"	28,5	9,0	9,0	9	15	4
1113TR1414	R 1/4"	R 1/4"	34,0	11,0	11,0	10	19	5
1113TR3838	R 3/8"	R 3/8"	35,5	11,5	11,5	10	22	8
1113TR1212	R 1/2"	R 1/2"	41,0	14,0	14,0	11	27	10

1115 Enlarger M/F BSPP & metric thread

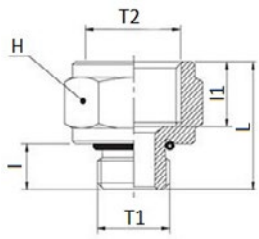




CODE	T1	T2	B	ØC	ØD	I1	I2	E	L	H	g
1115TRM5	M5x0,8	M5x0,8	1,5	2,5	7,5	4,5	5,0	6,5	11,0	8	3,0
1115TRM518	M5x0,8	G 1/8"	2,0	2,2	13,5	5,0	7,0	11,0	16,0	14	10,0
1115TRM618	M6x1	G 1/8"	2,0	2,7	13,5	6,0	7,0	11,0	17,0	14	10,0
1115TR18	G 1/8"	G 1/8"	2,0	5,5	13,5	6,5	8,0	11,0	17,5	14	11,0
1115TR1814	G 1/8"	G 1/4"	2,0	5,5	16,5	6,5	10,5	13,5	20,0	17	18,0
1115TR1838	G 1/8"	G 3/8"	2,5	5,5	21,5	6,5	10,5	14,0	20,5	22	33,0
1115TR14	G 1/4"	G 1/4"	2,0	8,5	16,5	8,0	10,5	13,5	21,5	17	19,0
1115TR1438	G 1/4"	G 3/8"	2,5	8,0	21,5	9,0	10,5	14,0	23,0	22	32,0
1115TR1412	G 1/4"	G 1/2"	3,0	8,0	26,5	9,0	12,5	17,0	26,0	27	51,0
1115TR38	G 3/8"	G 3/8"	2,5	11,0	21,5	9,0	10,5	14,0	23,0	22	32,0
1115TR3812	G 3/8"	G 1/2"	3,0	11,0	26,5	9,0	12,5	17,0	26,0	27	54,0
1115TR3834	G 3/8"	G 3/4"	3,0	11,0	31,5	9,0	12,5	17,0	26,0	32	66,0
1115TR12	G 1/2"	G 1/2"	3,0	15,0	26,5	10,5	12,5	16,0	26,5	27	56,0
1115TR1234	G 1/2"	G 3/4"	3,0	15,0	31,5	10,5	12,5	17,0	27,5	32	71,0
1115TR121	G 1/2"	G 1"	3,0	15,0	37,5	11,0	12,5	18,0	29,0	38	93,0
1115TR34	G 3/4"	G 3/4"	3,0	20,0	31,5	10,5	12,5	17,0	27,5	32	69,0
1115TR341	G 3/4"	G 1"	3,0	20,0	37,5	11,0	12,5	18,0	29,0	38	93,0
1115TR1	G 1"	G 1"	3,0	26,0	37,5	13,0	12,5	18,0	31,0	38	96,0

1116 Enlarger M/F BSPP thread with NBR O-ring





CODE	T1	T2	L	I	I1	H	g
1116TR18	G 1/8"	G 1/8"	17,0	6,5	8,5	17	12,3
1116TR1814	G 1/8"	G 1/4"	20,0	6,5	11	20	13,0
1116TR1838	G 1/8"	G 3/8"	21,0	6,5	11,5	21	31,0
1116TR14	G 1/4"	G 1/4"	21,5	8	11	21,5	18,0
1116TR1438	G 1/4"	G 3/8"	22,5	8	11,5	22,5	32,0
1116TR1412	G 1/4"	G 1/2"	26,0	9	14	26	36,0
1116TR38	G 3/8"	G 3/8"	23,5	9	11,5	23,5	32,0
1116TR3812	G 3/8"	G 1/2"	27,0	9	14	27	38,0

1118 Swivel nipple M/F BSPP thread with NBR O-ring

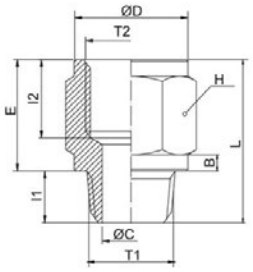




CODE	T1	T2	I1	I2	L	H1	H2	g
1118TR18	G 1/8"	G 1/8"	6,5	8	27,0	13	13	2,0
1118TR14	G 1/4"	G 1/4"	8	11	32,0	16	16	32,0
1118TR38	G 3/8"	G 3/8"	9	11,5	33,5	19	19	44,0

1120 Enlarger M/F, male BSPT thread & female BSPP thread

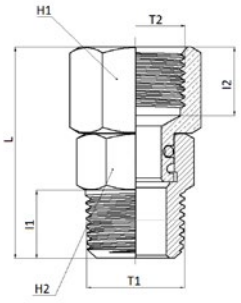




CODE	T1	T2	B	ØC	ØD	I1	I2	E	L	H	g
1120TR18	R 1/8"	G 1/8"	2,0	5,5	13,5	7,5	8	11,0	18,5	14	12,0
1120TR1814	R 1/8"	G 1/4"	2,0	5,5	16,5	7,5	10,5	13,5	21,0	17	18,0
1120TR1838	R 1/8"	G 3/8"	2,5	5,5	21,5	7,5	10,5	14,0	21,5	22	31,0
1120TR14	R 1/4"	G 1/4"	2,0	8,5	16,5	10,5	10,5	13,5	24,0	17	18,0
1120TR1438	R 1/4"	G 3/8"	2,5	8,0	21,5	10,5	10,5	14,0	24,5	22	32,0
1120TR1412	R 1/4"	G 1/2"	3,0	8,0	26,5	10,5	12,5	17,0	27,5	27	52,0
1120TR38	R 3/8"	G 3/8"	2,5	11,0	21,5	10,5	10,5	14,0	24,5	22	37,0
1120TR3812	R 3/8"	G 1/2"	3,0	11,0	26,5	10,5	12,5	17,0	27,5	27	55,0
1120TR3834	R 3/8"	G 3/4"	3,0	11,0	31,5	11,0	12,5	17,0	28,0	32	74,0
1120TR12	R 1/2"	G 1/2"	3,0	15,0	26,5	12,5	12,5	16,0	28,5	27	54,0
1120TR1234	R 1/2"	G 3/4"	3,0	15,0	31,5	12,5	12,5	17,0	29,5	32	70,0
1120TR121	R 1/2"	G 1"	3,0	15,0	37,5	13,0	12,5	18,0	31,0	38	91,0
1120TR34	R 3/4"	G 3/4"	3,0	20,0	31,5	13,0	12,5	17,0	30,0	32	74,0
1120TR341	R 3/4"	G 1"	3,0	20,0	37,5	13,0	12,5	18,0	31,0	38	97,0
1120TR1	R 1"	G 1"	3,0	26,0	37,5	15,5	12,5	18,0	33,5	38	100,0

1122 Swivel enlarger M/F, male BSPT thread & female BSPP thread

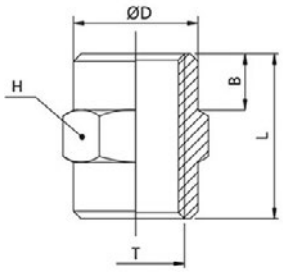




CODE	T1	T2	I1	I2	L	H1	H2	g
1122TR18	R 1/8"	R 1/8"	8	8	28	12	13	2,0
1122TR14	R 1/4"	R 1/4"	11	11	34	14	16	3,0
1122TR1838	R 1/8"	R 3/8"	11,5	11,5	35,5	17	19	42,0

1125 Female sleeve BSPP & metric thread

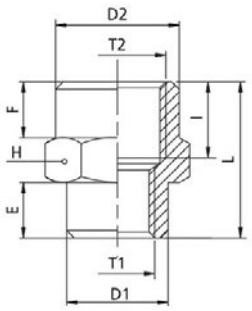




CODE	T	ØD	B	L	H	g
1125TRM5	M5x0,8	7,5	3,5	11,0	8	3,0
1125TR18	G 1/8"	13,5	5,0	15,0	14	10,0
1125TR14	G 1/4"	16,5	8,0	22,0	17	18,0
1125TR38	G 3/8"	21,5	8,5	24,0	22	37,0
1125TR12	G 1/2"	26,5	10,0	29,0	27	62,0
1125TR34	G 3/4"	31,5	10,0	29,0	32	70,0
1125TR1	G 1"	37,5	11,0	31,0	38	89,0

1126 Reduced female sleeve BSPP & metric thread

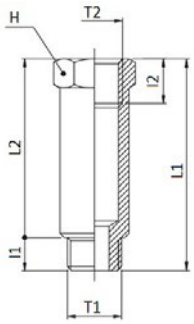




CODE	T1	T2	ØD1	ØD2	I	E	F	L	H	g
1126TRM518	M5x0,8	G 1/8"	8,0	13,5	7,0	3,5	4,5	12,5	14	9,0
1126TR1814	G 1/8"	G 1/4"	13,0	16,5	11,0	6,0	8,0	20,0	17	18,0
1126TR1838	G 1/8"	G 3/8"	14,0	21,5	11,0	6,0	8,0	20,0	22	28,0
1126TR1438	G 1/4"	G 3/8"	17,0	21,5	11,0	7,0	8,0	21,0	22	30,0
1126TR1412	G 1/4"	G 1/2"	17,0	26,5	13,0	8,0	9,0	24,0	27	46,0
1126TR3812	G 3/8"	G 1/2"	21,5	26,5	13,0	8,0	9,0	24,0	27	48,0
1126TR3834	G 3/8"	G 3/4"	21,0	31,5	13,5	8,0	10,0	25,0	32	64,0
1126TR1234	G 1/2"	G 3/4"	26,0	31,5	13,5	8,0	10,0	25,0	32	65,0
1126TR121	G 1/2"	G 1"	26,0	37,0	14,0	8,0	10,0	25,0	38	84,0
1126TR341	G 3/4"	G 1"	32,0	37,0	14,0	8,0	10,0	25,0	38	83,0

1130 Extension M/F BSPP thread

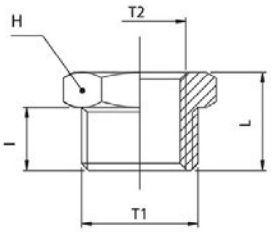




CODE	T1	T2	I1	I2	L1	L2	H	g
1130TR181422	G 1/8"	G 1/8"	6	8,0	22	16	14	14,0
1130TR181442	G 1/8"	G 1/8"	6	8,0	42	36	14	30,0
1130TR181451	G 1/8"	G 1/8"	6	8,0	51	45	14	36,0
1130TR141735	G 1/4"	G 1/4"	8	11,0	35	27	17	32,0
1130TR141751	G 1/4"	G 1/4"	8	11,0	51	43	17	46,0

1135 Reduced M/F BSPP & metric thread



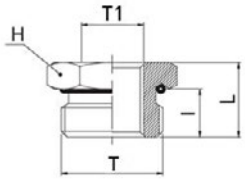


CODE	T1	T2	I	L	H	g
1135TRM518	G 1/8"	M5x0,8	6,5	10,5	14	7,0
1135TR1418	G 1/4"	G 1/8"	8,0	12,5	17	10,0
1135TR3818	G 3/8"	G 1/8"	9,0	14,0	19	18,0
1135TR3814	G 3/8"	G 1/4"	9,0	14,0	19	13,0
1135TR1218	G 1/2"	G 1/8"	10,0	15,0	24	39,0
1135TR1214	G 1/2"	G 1/4"	10,0	15,0	24	32,0
1135TR1238	G 1/2"	G 3/8"	10,0	15,0	24	21,0
1135TR3414	G 3/4"	G 1/4"	11,0	16,5	30	64,0
1135TR3438	G 3/4"	G 3/8"	11,0	16,5	30	52,0
1135TR3412	G 3/4"	G 1/2"	11,0	16,5	30	36,0
1135TR138	G 1"	G 3/8"	13,5	19,5	36	110,0
1135TR112	G 1"	G 1/2"	13,0	19,0	36	90,0
1135TR134	G 1"	G 3/4"	13,0	19,0	36	59,0

drawings and technical data are not binding & can be changed without notice

1136 Reduced M/F BSPP & metric thread with NBR O-ring

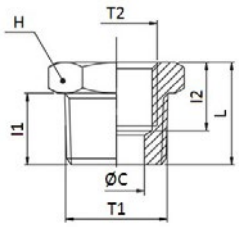




CODE	T	T1	I	L	H	g
1136TRM518	M5x0,8	G 1/8"	6,5	11	14	8,0
1136TR1418	G 1/4"	G 1/8"	8	13	17	10,0
1136TR3818	G 3/8"	G 1/8"	9	14	20	12,0
1136TR3814	G 3/8"	G 1/4"	9	14	20	14,0
1136TR1218	G 1/2"	G 1/8"	10	15,5	24	38,0
1136TR1214	G 1/2"	G 1/4"	10	15,5	24	39,0
1136TR1238	G 1/2"	G 3/8"	10	15,5	24	40,0

1140 Reduced male BSPT thread & female BSPP thread

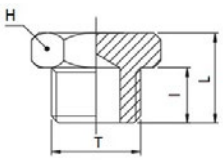




CODE	T1	T2	ØC	I1	I2	L	H	g
1140TR1418	R 1/4"	G 1/8"	6,0	11,0	9,0	15,5	14	9,0
1140TR3818	R 3/8"	G 1/8"	6,5	11,0	9,0	15,5	17	21,0
1140TR3814	R 3/8"	G 1/4"	8,5	11,0	11,0	15,5	17	13,0
1140TR1218	R 1/2"	G 1/8"	6,0	12,5	10,0	18,0	22	42,0
1140TR1214	R 1/2"	G 1/4"	8,5	12,5	11,5	18,0	22	34,0
1140TR1238	R 1/2"	G 3/8"	11,5	12,5	11,5	18,0	22	25,0
1140TR3414	R 3/4"	G 1/4"	8,5	14,0	12,0	20,0	27	74,0
1140TR3438	R 3/4"	G 3/8"	11,5	14,0	12,0	20,0	27	62,0
1140TR3412	R 3/4"	G 1/2"	15,0	14,0	14,0	20,0	27	43,0
1140TR138	R 1"	G 3/8"	15,0	15,5	13,0	21,5	34	123,0
1140TR112	R 1"	G 1/2"	15,0	15,5	14,0	21,5	34	144,0
1140TR134	R 1"	G 3/4"	20,0	15,5	14,0	21,5	34	173,0

1145 Male plug BSPP & metric thread

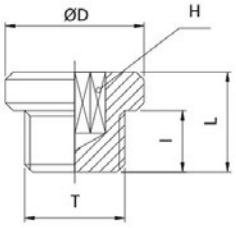




CODE	T	I	L	H	g
1145TRM5	M5x0,8	4,5	7,5	8	4,0
1145TR18	G 1/8"	6,0	10,0	14	7,0
1145TR14	G 1/4"	8,0	12,5	17	12,0
1145TR38	G 3/8"	9,0	13,5	19	19,0
1145TR12	G 1/2"	10,0	15,0	24	28,0
1145TR34	G 3/4"	11,0	16,5	30	46,0
1145TR1	G 1"	12,5	18,5	36	79,0

1148 Male plug BSPP & metric thread with exagon embedded

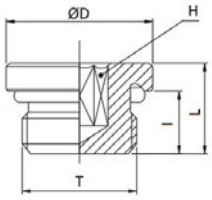




CODE	T	I	L	ØD	H	g
1148TRM5	M5x0,8	4,0	6,5	8	2,5	2,0
1148TR18	G 1/8"	6,0	10,0	15	5	8,0
1148TR14	G 1/4"	8,0	12,0	18	6	12,0
1148TR38	G 3/8"	9,0	13,0	21	8	22,0
1148TR12	G 1/2"	10,0	14,5	25	10	36,0
1148TR34	G 3/4"	11,0	15,5	31	14	-
1148TR1	G 1"	12,5	17,5	38	17	-

1149 Male plug BSPP & metric thread with exagon embedded and NBR O-ring

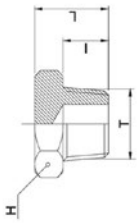




CODE	T	I	L	ØD	H	g
1149TRM5	M5x0,8	4,5	7,2	8,0	2,5	1,4
1149TR18	G 1/8"	6,5	9,5	14,0	5	6,0
1149TR14	G 1/4"	8,0	11,5	17,0	6	12,0
1149TR38	G 3/8"	9,0	12,5	20,0	8	18,0
1149TR12	G 1/2"	10,0	14,0	26,0	10	32,0

1150 Male plug BSPT thread

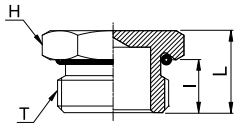




CODE	T	I	L	H	g
1150TR18	R 1/8"	7,5	11,5	10	4,0
1150TR14	R 1/4"	11,0	15,5	14	9,0
1150TR38	R 3/8"	11,0	16,0	17	17,0
1150TR12	R 1/2"	12,0	17,5	22	29,0
1150TR34	R 3/4"	13,5	19,5	27	60,0
1150TR1	R 1"	15,5	22,0	34	92,0

1152 Male plug BSPP thread with O-ring



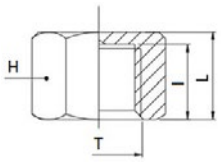


CODE	T	I	L	H	g
1152TR18	G 1/8"	6,5	10,5	14	-
1152TR14	G 1/4"	8,0	12,5	17	-
1152TR38	G 3/8"	9,0	13,5	20	-
1152TR12	G 1/2"	10,0	15,5	24	-

drawings and technical data are not binding & can be changed without notice

1155 Female plug BSPP & metric thread

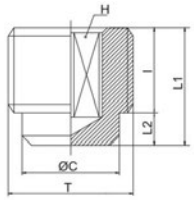




CODE	T	I	L	H	g
1155TRM5	M5x0,8	5,5	7,0	8	2,0
1155TR18	G 1/8"	9,0	11,0	14	5,0
1155TR14	G 1/4"	11,0	13,0	17	17,0
1155TR38	G 3/8"	11,0	13,5	21	23,0
1155TR12	G 1/2"	11,0	13,5	24	44,0
1155TR34	G 3/4"	12,5	15,0	30	44,0
1155TR1	G 1"	12,5	15,0	38	56,0

1160 Male plug BSPP thread with exagon embedded

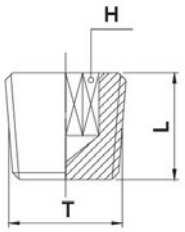




CODE	T	I	ØC	L1	L2	H	g
1160TR18	G 1/8"	4,0	8,0	7,0	3,0	5	2,0
1160TR14	G 1/4"	6,0	10,5	10,0	4,0	6	6,0
1160TR38	G 3/8"	6,0	13,5	10,0	4,0	8	10,0
1160TR12	G 1/2"	6,5	17,5	11,0	4,0	10	13,0

1161 Male flat plug BSPT thread with exagon embedded

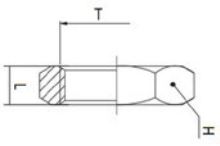




CODE	T	L	H	g
1161TR18	R 1/8"	8,0	5	3,0
1161TR14	R 1/4"	10,0	6	7,0
1161TR38	R 3/8"	10,5	8	23,0
1161TR12	R 1/2"	13,0	10	24,0
1161TR34	R 3/4"	15,5	14	32,0
1161TR1	R 1"	17,5	17	45,0

1175 Nut BSPP & metric thread

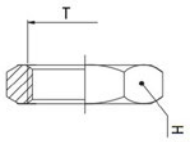




CODE	T	L	H	g
1175TRM5	M5x0,8	2,5	9	1,0
1175TR18	G 1/8"	3,5	12	3,0
1175TR14	G 1/4"	4,0	16	2,0
1175TR38	G 3/8"	4,5	19	3,0
1175TR12	G 1/2"	4,5	24	6,0
1175TR34	G 3/4"	5,0	30	10,0
1175TR1	G 1"	6,0	38	20,0

1176 Bulkhead locking nut metric thread

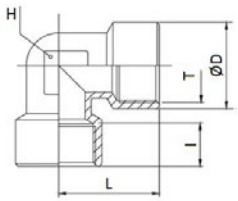




CODE	T	H	g
1176TRM101	M10x1	14	3,0
1176TRM121	M12X1	16	3,8
1176TRM1615	M16X1,5	19	5,0
1176TRM1815	M18X1,5	22	7,0
1176TRM2015	M20X1,5	24	18,0
1176TRM2215	M22X1,5	25	17,0
1176TRM2615	M26X1,5	32	21,0
1176TRM2815	M28X1,5	36	23,0

1200 Elbow F/F BSPP & metric thread

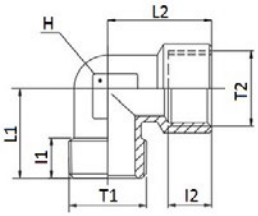




CODE	T	I	ØD	L	H	g
1200TRM5	M5x0,8	5,5	9,0	11,0	8	6,0
1200TR18	G 1/8"	8,0	13,5	20,5	10	19,0
1200TR14	G 1/4"	11,5	16,5	31,0	13	33,0
1200TR38	G 3/8"	12,0	21,0	36,0	17	57,0
1200TR12	G 1/2"	15,0	26,0	44,0	21	109,0
1200TR34	G 3/4"	16,5	32,0	36,5	25	144,0
1200TR1	G 1"	19,0	39,0	45,0	30	244,0

1205 Elbow male BSPT thread and female BSPP & metric thread

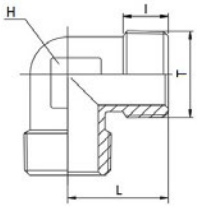




CODE	T1	T2	I1	I2	L1	L2	H	g
1205TRM5	M5x0,8	M5x0,8	5,0	5,5	11,5	11	8	7,0
1205TR18	R 1/8"	G 1/8"	9,5	8,0	17,5	19,5	10	16,0
1205TR14	R 1/4"	G 1/4"	11,5	11,5	24,0	25	13	31,0
1205TR38	R 3/8"	G 3/8"	13,0	12,0	27,5	27,5	17	46,0
1205TR12	R 1/2"	G 1/2"	15,0	15,0	30,0	33,5	21	92,0
1205TR34	R 3/4"	G 3/4"	16,0	16,5	33,0	36,5	25	120,0
1205TR1	R 1"	G 1"	17,0	19,0	39,0	45,0	30	212,0

1210 Elbow M/M BSPT & metric thread



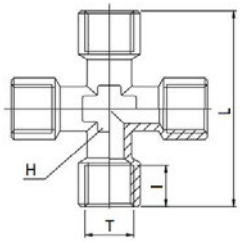


CODE	T	I	L	H	g
1210TRM5	M5x0,8	5,0	13,5	8	6,0
1210TR18	R 1/8"	9,0	18,5	10	13,0
1210TR14	R 1/4"	11,5	22,0	12	20,0
1210TR38	R 3/8"	13,0	26,0	13	31,0
1210TR12	R 1/2"	14,0	28,5	17	55,0
1210TR34	R 3/4"	16,0	33,0	25	100,0
1210TR1	R 1"	17,0	39,0	30	174,0

drawings and technical data are not binding & can be changed without notice

1215 Equal female cross BSPP thread

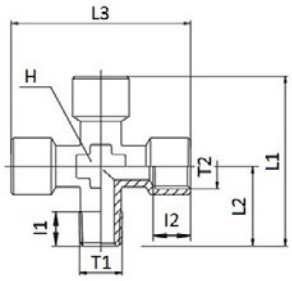




CODE	T	I	L	H	g
1215TR18	G 1/8"	8,0	42,0	10	38,0
1215TR14	G 1/4"	11,0	51,0	13	76,0
1215TR38	G 3/8"	11,5	56,0	17	108,0
1215TR12	G 1/2"	14,0	67,0	21	186,0

1216 Equal cross male BSPT thread & female BSPP thread

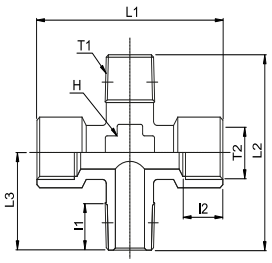




CODE	T1	T2	I1	I2	L1	L2	L3	H	g
1216TR18	R 1/8"	G 1/8"	8,0	8,0	39,5	18,5	42	10	34,0
1216TR14	R 1/4"	G 1/4"	11,0	11,0	49,0	23,5	51	13	68,0
1216TR38	R 3/8"	G 3/8"	11,5	11,5	54,0	26,0	56	17	100,0
1216TR12	R 1/2"	G 1/2"	14,0	14,0	64,5	31,0	67	21	168,0

1218 Equal cross male BSPT thread & female BSPP thread

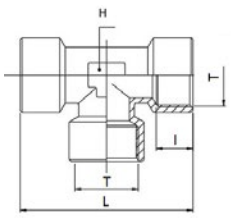




CODE	T1	T2	I1	I2	L1	L2	L3	H	g
1218TR14	R 1/4"	G 1/4"	11	11	51,0	47,0	23,5	13	-

1220 Female tee BSPP & metric thread



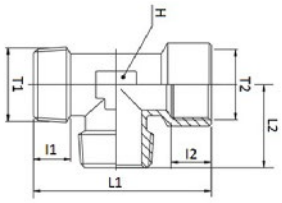


CODE	T	I	L	H	g
1220TRM5	M5x0,8	5,5	26,5	8	7,0
1220TR18	G 1/8"	8,0	40,0	10	28,0
1220TR14	G 1/4"	11,5	50,0	13	49,0
1220TR38	G 3/8"	12,0	57,0	17	85,0
1220TR12	G 1/2"	15,0	68,5	21	146,0
1220TR34	G 3/4"	16,5	73,0	25	194,0
1220TR1	G 1"	19,0	90,0	30	326,0

drawings and technical data are not binding & can be changed without notice

1225 Tee M/M/F, male BSPT & metric and female BSPP & metric thread

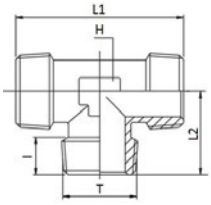




CODE	T1	T2	I1	I2	L1	L2	H	g
1225TRM5	M5x0,8	M5x0,8	5,0	5,5	26,0	13,0	8	8,0
1225TR18	R 1/8"	G 1/8"	9,5	8,0	38,5	18,5	10	25,0
1225TR14	R 1/4"	G 1/4"	11,5	11,5	47,5	23,5	13	43,0
1225TR38	R 3/8"	G 3/8"	13,0	12,0	56,0	26,0	17	72,0
1225TR12	R 1/2"	G 1/2"	15,0	15,0	67,5	32,0	21	102,0
1225TR34	R 3/4"	G 3/4"	16,0	16,5	69,5	33,0	25	156,0
1225TR1	R 1"	G 1"	17,5	19,0	84,0	39,0	30	268,0

1230 Male tee BSPT & metric thread

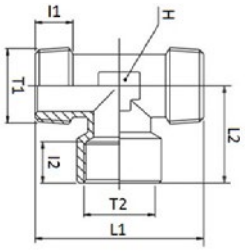




CODE	T	I	L1	L2	H	g
1230TRM5	M5x0,8	5,0	27,5	13,5	8	8,0
1230TR18	R 1/8"	9,5	36,0	17,0	10	20,0
1230TR14	R 1/4"	11,5	48,0	24,0	12	38,0
1230TR38	R 3/8"	12,0	48,0	24,0	13	47,0
1230TR12	R 1/2"	15,0	57,0	28,0	17	80,0
1230TR34	R 3/4"	16,2	66,4	33,0	25	134,0
1230TR1	R 1"	17,5	78,0	39,0	30	236,0

1235 Tee male BSPT & metric and female BSPP & metric thread

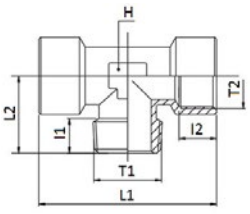




CODE	T1	T2	I1	I2	L1	L2	H	g
1235TRM5	M5x0,8	M5x0,8	5,0	5,5	27,5	13,0	8	6,0
1235TR18	R 1/8"	G 1/8"	9,5	8,0	36,5	19,5	10	22,0
1235TR14	R 1/4"	G 1/4"	11,5	11,5	48,0	25,5	13	37,0
1235TR38	R 3/8"	G 3/8"	13,0	12,0	51,5	28,0	17	62,0
1235TR12	R 1/2"	G 1/2"	15,0	15,0	63,0	34,0	21	118,0
1235TR34	R 3/4"	G 3/4"	16,0	16,5	66,4	36,5	25	156,0
1235TR1	R 1"	G 1"	17,5	19,0	78,0	45,0	30	268,0

1240 Tee male BSPT & metric and female BSPP & metric thread





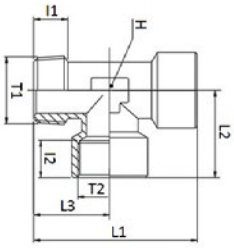
CODE	T1	T2	I1	I2	L1	L2	H	g
1240TRM5	M5x0,8	M5x0,8	5,0	5,5	26,5	11,5	8	9,0
1240TR18	R 1/8"	G 1/8"	9,5	8,0	40,0	18,5	10	22,0
1240TR14	R 1/4"	G 1/4"	11,5	11,5	50,0	24,5	13	49,0
1240TR38	R 3/8"	G 3/8"	13,0	12,0	57,0	26,5	17	75,0
1240TR12	R 1/2"	G 1/2"	15,0	15,0	68,5	32,0	21	127,0
1240TR34	R 3/4"	G 3/4"	16,0	16,5	73,0	33,0	25	178,0
1240TR1	R 1"	G 1"	17,5	19,0	90,0	39,0	30	296,0

drawings and technical data are not binding & can be changed without notice

1245

Tee male BSPT & metric and female BSPP & metric thread



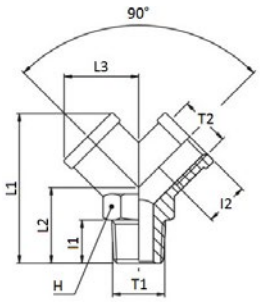


CODE	T1	T2	I1	I2	L1	L2	L3	H	g
1245TRM5	M5x0,8	M5x0,8	5,0	5,5	26,0	13,0	12,0	8	9,0
1245TR18	R 1/8"	G 1/8"	9,5	8,0	38,5	19,5	18,5	10	24,0
1245TR14	R 1/4"	G 1/4"	11,5	11,5	49,0	25,0	24,0	13	44,0
1245TR38	R 3/8"	G 3/8"	13,0	12,0	54,0	28,5	25,5	17	74,0
1245TR12	R 1/2"	G 1/2"	15,0	15,0	65,5	34,5	31,0	21	132,0
1245TR34	R 3/4"	G 3/4"	16,0	16,5	69,5	36,5	33,0	25	172,0
1245TR1	R 1"	G 1"	17,5	19,0	84,0	45,0	39,0	30	298,0

1300

Y male BSPT thread & female BSPP thread



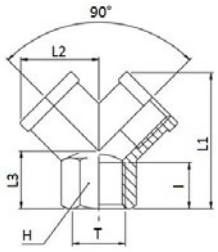


CODE	T1	T2	I1	I2	L1	L2	L3	H	g
1300TR18	R 1/8"	G 1/8"	8,0	8,0	32,0	16	14,5	13	22,0
1300TR14	R 1/4"	G 1/4"	11,0	11,0	38,0	20	18,0	17	38,0
1300TR38	R 3/8"	G 3/8"	11,5	11,5	42,5	22	20,5	20	52,0
1300TR12	R 1/2"	G 1/2"	14,0	14,0	53,0	27	26,5	25	110,0

1310

Female Y BSPP thread



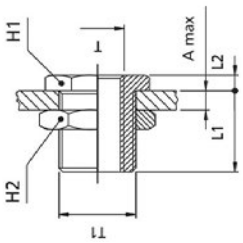


CODE	T	I	L1	L2	L3	H	g
1310TR18	G 1/8"	8,0	26,5	14,5	12	13	18,0
1310TR14	G 1/4"	11,0	32,0	18,0	14	17	32,0
1310TR38	G 3/8"	11,5	37,0	20,5	16	20	44,0
1310TR12	G 1/2"	14,0	45,0	26,5	19	25	92,0

1320

Female bulkhead connector BSPP & metric thread



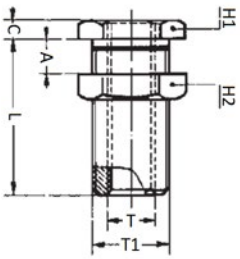


CODE	T	T1	A MAX	L1	L2	H1	H2	g
1320TRM5M101	M5x0,8	M10x1	7	10,5	3,5	14	14	12,0
1320TR18M1615	G 1/8"	M16x1,5	10	14,0	4,0	19	22	30,0
1320TR14M2015	G 1/4"	M20x1,5	16	21,0	4,0	24	27	58,0
1320TR38M2615	G 3/8"	M26x1,5	15	21,0	5,0	30	32	94,0
1320TR12M2815	G 1/2"	M28x1,5	21	27,0	6,0	32	36	116,0

1322

Female bulkhead connector BSPP thread, yellow brass



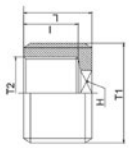


CODE	T	T1	C	L	A	H1	H2
1322TR18M1615	G 1/8"	M16x1,5	4	14,0	9	19	19
1322TR14M2015	G 1/4"	M20x1,5	4	21,0	15	24	24
1322TR38M2615	G 3/8"	M26x1,5	5	21,0	14	30	30
1322TR12M282	G 1/2"	M28x2	6	27,0	20	32	32
1322TR34M342	G 3/4"	M34x2	6	30,0	22,5	41	41
1322TR114M492	G 1-1/4"	M49x2	8	39,0	29,5	55	55

1600

Reducer M/F BSPP & metric thread with exagon embedded



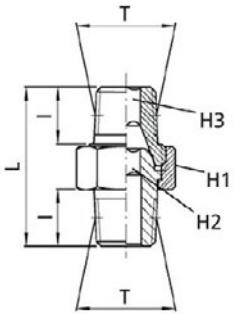


CODE	T1	T2	I	L	H	g
1600TRM518	G 1/8"	M5x0,8	6,5	8,0	3	3,0
1600TR1418	G 1/4"	G 1/8"	7,0	9,0	6	7,0
1600TR3818	G 3/8"	G 1/8"	7,0	9,0	6	10,0
1600TR3814	G 3/8"	G 1/4"	7,0	9,0	8	6,0
1600TR1214	G 1/2"	G 1/4"	8,5	10,5	10	23,0
1600TR1238	G 1/2"	G 3/8"	8,5	10,5	10	10,0
1600TR3412	G 3/4"	G 1/2"	11,0	13,0	12	35,0
1600TR134	G 1"	G 3/4"	12,5	15,0	17	38,0

1110-3PCS

Nipple 3 pieces male BSPT thread, yellow brass





CODE	T	I	L	H1	H2	H3	g
1110TR18-3P	R 1/8"	9,0	27,0	15	5	5	59,0
1110TR14-3P	R 1/4"	12,0	33,5	19	6	6	65,0
1110TR38-3P	R 3/8"	13,0	36,5	22	8	8	71,0
1110TR12-3P	R 1/2"	16,0	44,0	27	12	12	86,0
1110TR34-3P	R 3/4"	18,0	53,0	36	14	14	103,0
1110TR1-3P	R 1"	22,0	64,0	46	19	19	124,0

Available with internal seal (up to 3/4" thread)
by adding at the end of the code **-OR**

STANDARD FITTINGS BAYONET JOINT

PLUS

WIDE RANGE SUITABLE FOR PNEUMATIC APPLICATIONS

CONNECTIONS FOR STANDARD AND BAYONET JOINT

PERFECTLY SUITABLE WITH OUR PVC-AC AND PU-PVC TUBES



p. 282 / **1255**



p. 282 / **1260**



p. 282 / **1265**



p. 282 / **1270**



p. 283 / **1290**



p. 283 / **1256**



p. 283 / **1280**



p. 283 / **1285**



p. 284 / **1288**



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p. 284 / **1291**



p. 285 / **1163**



p. 285 / **1166**



p. 286 / **1164**



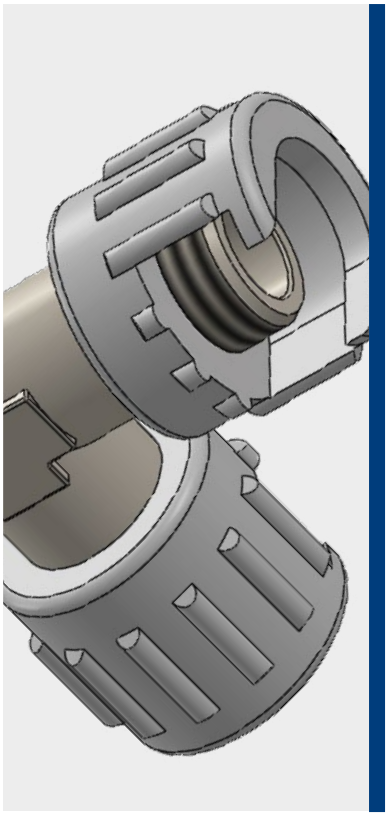
p. 286 / **1292**



p. 287 / **1278**



p. 287 / **1295**



-18°C ÷ +18°C
The working temperature is determined by the properties of the tube used

Working pressure:
12 Bar
The working pressure is determined by the properties of the tube used

Compressed air

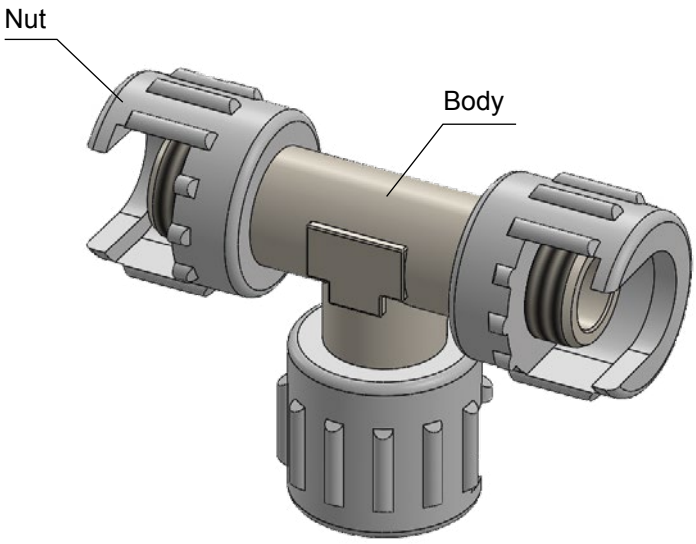
Parallel gas BSPP ISO 228
from G1/8" to G1/2"

Body: Nickel-plated brass
Nut: Nickel-plated brass

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



1255 Milled nut



CODE	THREAD	g
1255TR14	1/4"	14,0
1255TR14125	1/4"/125	14,0
1255TR38	3/8"	11,0

1260 Union tee with milled nuts



CODE	THREAD	g
1260TR14	G 1/4"	82,0

1265 Male connector BSPP thread with milled nut



CODE	THREAD	g
1265TR18	G 1/8"	-
1265TR14	G 1/4"	71,0
1265TR38	G 3/8"	73,0
1265TR12	G 1/2"	82,0

1270 Union connector with milled nuts



CODE	THREAD	g
1270TR14	G 1/4"	81,0

1290 Female connector with milled nut



CODE	THREAD	g
1290TR18	G 1/8"	28,0
1290TR14	G 1/4"	29,0
1290TR38	G 3/8"	40,0

1256 Bayonet joints gasket



CODE	g
1256	10,0
LARGE BAYONET JOINT GASKET	
1256-GG	-

1280 Male bayonet joint BSPP thread



CODE	THREAD	g
1280TR18	G 1/8"	16,0
1280TR14	G 1/4"	16,0
1280TR38	G 3/8"	18,0

1285 Female bayonet joint BSPP thread



CODE	THREAD	g
1285TR18	G 1/8"	17,0
1285TR14	G 1/4"	19,0
1285TR38	G 3/8"	18,0

1288 Bayonet joint with barb connector



CODE	Ø TUBE	g
1288TR6	6	10,0
1288TR7	7	12,0
1288TR8	8	13,0
1288TR9	9	15,0
1288TR10	10	14,0
1288TR11	11	16,0
1288TR12	12	19,0
1288TR14	14	18,0

1275 Bayonet joint with rubber and PU hose connector



CODE	Ø TUBE	g
1275TR610	6x10	38,0
1275TR612	6x12	35,0
1275TR613	6x13	38,0
1275TR614	6x14	36,0
1275TR716	7x16	43,0
1275TR812	8x12	33,0
1275TR813	8x13	40,0
1275TR815	8x15	42,0
1275TR817	8x17	31,0
1275TR1015	10x15	45,0
1275TR1017	10x17	49,0
1275TR1019	10x19	60,0

1291 Large bayonet joint with rubber and PU hose connector



CODE	Ø TUBE	g
1291BG1019	10x19	112
1291BG1020	10x20	112
1291BG1021	10x21	112
1291BG1022	10x22	117
1291BG1023	10x23	119
1291BG1319	13x19	117
1291BG1320	13x20	118
1291BG1323	13x23	127
1291BG1324	13x24	150
1291BG1325	13x25	150

drawings and technical data are not binding & can be changed without notice

1163 Male connector BSPP thread with rubber and PU hose connector



CODE	Ø TUBE	THREAD	g
1163TR61014	6x10	G 1/4"	33,0
1163TR61214	6x12	G 1/4"	30,0
1163TR61314	6x13	G 1/4"	34,0
1163TR61414	6x14	G 1/4"	34,0
1163TR71614	7x16	G 1/4"	38,0
1163TR81214	8x12	G 1/4"	35,0
1163TR81314	8x13	G 1/4"	36,0
1163TR81514	8x15	G 1/4"	39,0
1163TR81714	8x17	G 1/4"	41,0
1163TR101514	10x15	G 1/4"	45,0
1163TR101714	10x17	G 1/4"	48,0
1163TR101914	10x19	G 1/4"	48,0
1163TR61038	6x10	G 3/8"	39,0
1163TR61238	6x12	G 3/8"	36,0
1163TR61338	6x13	G 3/8"	40,0
1163TR61438	6x14	G 3/8"	40,0
1163TR71638	7x16	G 3/8"	44,0
1163TR81238	8x12	G 3/8"	41,0
1163TR81338	8x13	G 3/8"	42,0
1163TR81538	8x15	G 3/8"	45,0
1163TR81738	8x17	G 3/8"	47,0
1163TR101538	10x15	G 3/8"	51,0
1163TR101738	10x17	G 3/8"	54,0
1163TR101938	10x19	G 3/8"	54,0
1163TR111638	11x16	G 3/8"	57,0

1166 Swivel male connector BSPP thread with O-ring & rubber and PU hose connector



CODE	Ø TUBE	THREAD
1166TR61014	6x10	G 1/4"
1166TR61214	6x12	G 1/4"
1166TR61314	6x13	G 1/4"
1166TR61414	6x14	G 1/4"
1166TR81214	8x12	G 1/4"
1166TR81314	8x13	G 1/4"
1166TR81514	8x15	G 1/4"
1166TR81714	8x17	G 1/4"

1164 Female connector BSPP thread with rubber and PU hose connector



CODE	Ø TUBE	THREAD	g
1164TR61014	6x10	G 1/4"	30,0
1164TR61214	6x12	G 1/4"	30,0
1164TR61314	6x13	G 1/4"	37,0
1164TR61414	6x14	G 1/4"	35,0
1164TR71614	7x16	G 1/4"	40,0
1164TR81214	8x12	G 1/4"	32,0
1164TR81314	8x13	G 1/4"	32,0
1164TR81514	8x15	G 1/4"	35,0
1164TR81714	8x17	G 1/4"	34,0
1164TR101514	10x15	G 1/4"	38,0
1164TR101714	10x17	G 1/4"	37,0
1164TR101914	10x19	G 1/4"	39,0
1164TR61038	6x10	G 3/8"	36,0
1164TR61238	6x12	G 3/8"	36,0
1164TR61338	6x13	G 3/8"	43,0
1164TR61438	6x14	G 3/8"	41,0
1164TR71638	7x16	G 3/8"	46,0
1164TR81238	8x12	G 3/8"	38,0
1164TR81338	8x13	G 3/8"	38,0
1164TR81538	8x15	G 3/8"	41,0
1164TR81738	8x17	G 3/8"	40,0
1164TR101538	10x15	G 3/8"	44,0
1164TR101738	10x17	G 3/8"	43,0
1164TR101938	10x19	G 3/8"	45,0

1292 Large male connector BSPP thread with rubber and PU hose connector



CODE	Ø TUBE	THREAD	WRENCH	TOT. LENGHT	g
1292TR101938	10x19	G 3/8"	24	65,0	113,0
1292TR102038	10x20	G 3/8"	24	65,0	114,0
1292TR102138	10x21	G 3/8"	24	65,0	114,0
1292TR102238	10x22	G 3/8"	24	65,0	118,0
1292TR102338	10x23	G 3/8"	27	65,0	120,0
1292TR131938	13x19	G 3/8"	25	65,0	115,0
1292TR132038	13x20	G 3/8"	25	65,0	117,0
1292TR132138	13x21	G 3/8"	25	65,0	117,0
1292TR132338	13x23	G 3/8"	27	65,0	124,0
1292TR132438	13x24	G 3/8"	30	65,0	151,0
1292TR132538	13x25	G 3/8"	30	65,0	149,0
1292TR101912	10x19	G 1/2"	24	65,0	113,0
1292TR102012	10x20	G 1/2"	24	65,0	115,0
1292TR102112	10x21	G 1/2"	24	65,0	115,0
1292TR102212	10x22	G 1/2"	24	65,0	119,0
1292TR102312	10x23	G 1/2"	27	65,0	121,0
1292TR131912	13x19	G 1/2"	25	65,0	117,0
1292TR132012	13x20	G 1/2"	25	65,0	118,0
1292TR132112	13x21	G 1/2"	25	65,0	118,0
1292TR132312	13x23	G 1/2"	27	65,0	124,0
1292TR132412	13x24	G 1/2"	30	65,0	151,0
1292TR132512	13x25	G 1/2"	30	65,0	151,0

drawings and technical data are not binding & can be changed without notice

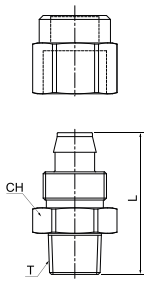
1278 Sliding tap bayonet joint with rubber hose connector



CODE	Ø TUBE	g
1278TR612	6x12	93,0
1278TR614	6x14	91,0
1278TR817	8x17	100,0
1278TR1019	10x19	112,0

1295 Male barb connector BSPT thread





CODE	Ø TUBE	T	L	CH
1295TR14128	8x12	R 1/4"	36,2	19
1295TR381510	10x15	R 3/8"	42,0	22

1295: Recommended for use with PU-PVC tube on page 751



STANDARD FITTINGS NYLON

D.M. 174

PLUS

GOOD MECHANICAL RESISTANCE

SUITABLE FOR DOMESTIC AND INDUSTRIAL USE AND FOR FOOD FLUIDS

WIDE RANGE OF SHAPES AND THREADS AVAILABLE



p. 292 / **1800**



p. 292 / **1802**



p. 292 / **1810**



p. 292 / **1812**



p. 293 / **1820**



p. 293 / **1825**



p. 293 / **1827**



p. 294 / **1830**



p. 294 / **1832**



p. 294 / **1834**



p. 294 / **1840**



p. 295 / **1850**



p. 295 / **1855**



p. 295 / **1875**



p. 296 / **1800N**



p. 296 / **1802N**



p. 296 / **1810N**



p. 296 / **1812N**



p. 297 / **1820N**



p. 297 / **1825N**



p. 297 / **1827N**



p. 298 / **1830N**



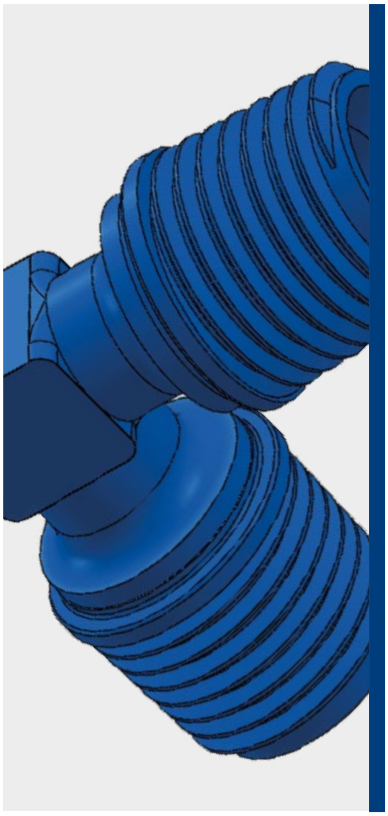
p. 298 / **1832N**



p. 298 / **1840N**



p. 298 / **1850N**



-20°C ÷ +110°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7
  from R1/8" to R3/4"
- NPT
  from N1/8" to N3/4"

Body: Nylon 66

FEATURES

The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.

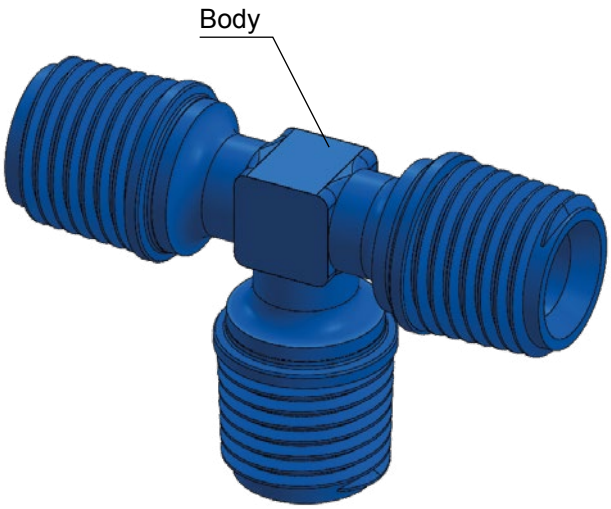
Food contact materials
EC 1935/2004

D.M. 174/2004

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

CONSTRUCTION DETAILS



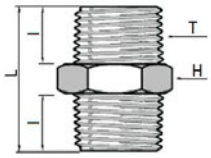
TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"	3/4"
Nm	0,1	0,8	4	6	8

1800 Nipple BSPT thread

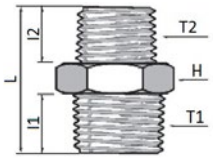




CODE	T	L	I	H	g
1800TR18	R 1/8"	23,2	8,0	11	1,4
1800TR14	R 1/4"	27,1	10,0	14	3,5
1800TR38	R 3/8"	28,2	10,0	17	4,2
1800TR12	R 1/2"	34,1	12,5	22	8,0
1800TR34	R 3/4"	36,0	-	27	-

1802 Reduced nipple BSPT thread

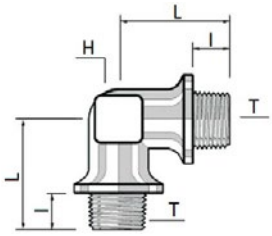




CODE	T1	T2	I1	I2	L	H	g
1802TR1418	R 1/4"	R 1/8"	10,5	8,5	25,2	14	2,5
1802TR3818	R 3/8"	R 1/8"	10,0	8,0	27,1	17	3,8
1802TR3814	R 3/8"	R 1/4"	10,0	10,0	28,5	17	4,1
1802TR1214	R 1/2"	R 1/4"	13,0	10,5	31,5	22	6,7
1802TR1238	R 1/2"	R 3/8"	13,0	10,5	31,5	22	6,0
1802TR3412	R 3/4"	R 1/2"	-	-	34,5	27	-

1810 Male elbow BSPT thread

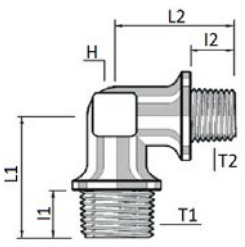




CODE	T	I	L	H	g
1810TR18	R 1/8"	8,0	20,0	10	3,0
1810TR14	R 1/4"	10,0	22,0	10	4,0
1810TR38	R 3/8"	10,0	24,0	14	7,0
1810TR12	R 1/2"	12,5	32,0	17	15,0

1812 Reduced male elbow BSPT thread



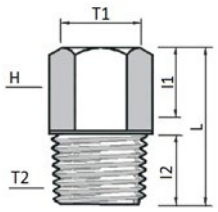


CODE	T1	T2	I1	I2	L1	L2	H	g
1812TR1418	R 1/4"	R 1/8"	10,0	8,0	22,0	20,0	12	3,6
1812TR3814	R 3/8"	R 1/4"	10,0	10,0	24,0	24,0	15	6,5
1812TR1238	R 1/2"	R 3/8"	12,5	10,0	32,0	29,5	17	13,0

drawings and technical data are not binding & can be changed without notice

1820 Adapter M/F BSPT thread

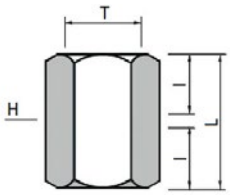




CODE	T1	T2	I1	I2	L	H	g
1820TR1818	R 1/8"	R 1/8"	9,0	8,0	23,0	14	1,0
1820TR1414	R 1/4"	R 1/4"	10,5	10,0	24,0	17	3,0
1820TR3838	R 3/8"	R 3/8"	11,0	10,5	25,7	22	5,3
1820TR1212	R 1/2"	R 1/2"	13,5	13,0	30,6	26	9,0
REDUCED ADAPTER M/F BSPT THREAD							
1820TR1814	R 1/8"	R 1/4"	10,5	10,0	23,0	14	2,4
1820TR1838	R 1/8"	R 3/8"	9,0	10,0	24,0	14	2,7
1820TR1812	R 1/8"	R 1/2"	9,0	12,0	27,0	14	4,1
1820TR1438	R 1/4"	R 3/8"	10,5	10,0	24,8	17	5,0
1820TR1412	R 1/4"	R 1/2"	10,5	10,0	27,2	17	4,8
1820TR3812	R 3/8"	R 1/2"	11,0	13,0	28,2	22	8,0
ENLARGER ADAPTER M/F BSPT THREAD							
1820TR1418	R 1/4"	R 1/8"	10,5	8,0	22,1	17	2,8
1820TR3818	R 3/8"	R 1/8"	11,0	8,0	23,1	22	4,8
1820TR3814	R 3/8"	R 1/4"	11,0	10,0	25,2	22	5,1
1820TR1218	R 1/2"	R 1/8"	13,5	8,0	25,6	26	7,0
1820TR1214	R 1/2"	R 1/4"	13,5	10,0	27,3	26	7,2
1820TR1238	R 1/2"	R 3/8"	13,5	10,0	28,0	26	8,0

1825 Female sleeve BSPT thread

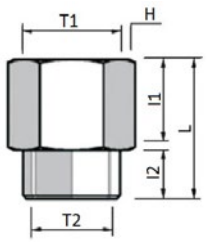




CODE	T	I	L	H	g
1825TR18	R 1/8"	9,0	20,0	14	2,3
1825TR14	R 1/4"	11,0	23,6	17	3,7
1825TR38	R 3/8"	11,0	24,5	21	5,2
1825TR12	R 1/2"	13,5	29,7	26	9,6
1825TR34	R 3/4"	18,0	38,0	34	16,8

1827 Reduced female sleeve BSPT thread

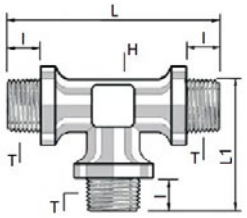




CODE	T1	T2	I1	I2	L	H	g
1827TR1418	R 1/4"	R 1/8"	11,0	9,0	22,0	17	3,2
1827TR3818	R 3/8"	R 1/8"	11,0	9,0	24,5	21	5,2
1827TR3814	R 3/8"	R 1/4"	11,0	11,0	24,5	21	6,0
1827TR1214	R 1/2"	R 1/4"	13,5	11,0	27,0	26	8,0
1827TR1238	R 1/2"	R 3/8"	13,5	11,0	27,0	26	7,7
1827TR3414	R 3/4"	R 1/4"	13,5	11,0	30,1	34	11,0
1827TR3412	R 3/4"	R 1/2"	13,5	11,0	35,0	34	14,5

1830 Male tee BSPT thread

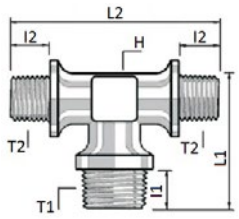




CODE	T	I	L	L1	H	g
1830TR18	R 1/8"	8,0	39,8	24,1	12	4,0
1830TR14	R 1/4"	10,0	44,0	26,2	12	5,0
1830TR38	R 3/8"	10,0	50,5	32,0	15	10,0
1830TR12	R 1/2"	12,5	64,0	40,3	17	22,0

1832 Reduced male tee BSPT thread

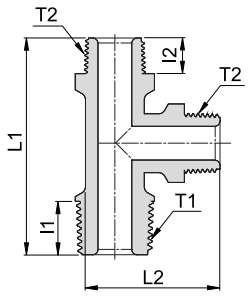




CODE	T1	T2	I1	I2	L1	L2	H	g
1832TR1814	R 1/8"	R 1/4"	8,0	10,0	26,4	39,7	12	4,4
1832TR1438	R 1/4"	R 3/8"	10,0	10,0	38,2	43,3	15	9,3
1832TR3812	R 3/8"	R 1/2"	10,0	12,5	40,4	60,2	17	17,3
ENLARGER MALE TEE BSPT THREAD								
1832TR1418	R 1/4"	R 1/8"	10,0	8,0	24,2	43,3	12	5,6
1832TR3814	R 3/8"	R 1/4"	10,0	10,0	26,4	60,2	15	9,7
1832TR1238	R 1/2"	R 3/8"	12,5	10,0	38,2	64,2	17	17,0

1834 Lateral reduced male tee BSPT thread

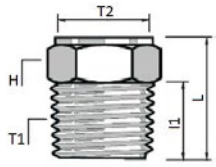




CODE	T1	T2	I1	I2	L1	L2	g
1834TR1814	R 1/8"	R 1/4"	8,0	10,0	42,7	25,5	5,0
1834TR1438	R 1/4"	R 3/8"	10,0	10,0	48,5	31,0	9,5
1834TR3812	R 3/8"	R 1/2"	10,0	12,5	62,0	38,2	19,0
LATERAL ENLARGER MALE TEE BSPT THREAD							
1834TR1418	R 1/4"	R 1/8"	10,0	8,0	41,8	26,3	4,9
1834TR3814	R 3/8"	R 1/4"	10,0	10,0	48,3	30,8	8,8
1834TR1238	R 1/2"	R 3/8"	12,5	10,0	62,0	40,0	17,9

1840 M/F reducer BSPT thread



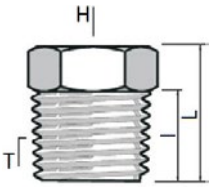


CODE	T1	T2	I1	L	H	g
1840TR1418	R 1/4"	R 1/8"	10,0	17,2	14	1,5
1840TR3818	R 3/8"	R 1/8"	10,5	17,8	17	2,7
1840TR3814	R 3/8"	R 1/4"	10,5	17,8	17	2,1
1840TR1218	R 1/2"	R 1/8"	12,5	20,7	22	6,0
1840TR1214	R 1/2"	R 1/4"	12,5	20,4	22	5,5
1840TR1238	R 1/2"	R 3/8"	12,5	20,7	22	3,8
1840TR3414	R 3/4"	R 1/4"	13,5	22,0	27	8,9
1840TR3438	R 3/4"	R 3/8"	13,5	22,2	27	8,1
1840TR3412	R 3/4"	R 1/2"	13,5	22,4	27	7,0

drawings and technical data are not binding & can be changed without notice

1850 Male plug BSPT thread

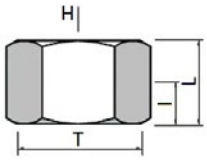




CODE	T	I	L	H	g
1850TR18	R 1/8"	9,0	13,6	11	1,0
1850TR14	R 1/4"	10,5	16,6	14	2,0
1850TR38	R 3/8"	10,5	16,1	17	3,0
1850TR12	R 1/2"	12,5	19,6	22	5,0
1850TR34	R 3/4"	15,0	22,0	27	8,0
1850TR1	R 1"	20,0	27,0	36	-

1855 Female plug BSPT thread

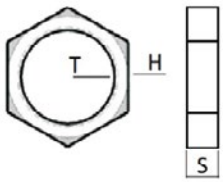




CODE	T	I	L	H	g
1855TR18	R 1/8"	9,0	10,4	13	1,1
1855TR14	R 1/4"	10,0	14,2	17	1,2
1855TR38	R 3/8"	11,0	14,2	20	2,7
1855TR12	R 1/2"	13,5	17,1	24	4,3
1855TR34	R 3/4"	14,0	17,1	30	6,2

1875 Nut BSPT thread



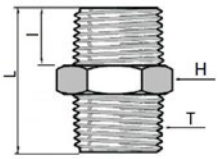


CODE	T	S	H	g	COLOURS
1875TR14	G 1/4"	5,0	17	1,1	BLACK
1875TR12	G 1/2"	11,6	26	1,2	BLUE

1800N

Nipple NPT thread



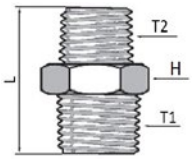


CODE	T	I	H	g
1800TRN18	N 1/8"	11	23,9	1,4
1800TRN14	N 1/4"	14	32,7	2,79
1800TRN38	N 3/8"	17	34,4	4,85
1800TRN12	N 1/2"	22	43,3	8,75
1800TRN34	N 3/4"	27	44,4	12,44

1802N

Reduced nipple NPT thread



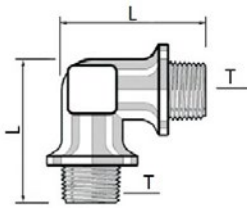


CODE	T1	T2	H	L	g
1802TRN1418	N 1/4"	N 1/8"	14	28,4	2,3
1802TRN3818	N 3/8"	N 1/8"	17	29,6	3,8
1802TRN1218	N 1/2"	N 1/8"	22	34,9	6,4
1802TRN3418	N 3/4"	N 1/8"	27	35,4	9,1
1802TRN3814	N 3/8"	N 1/4"	17	33,4	4,17
1802TRN1214	N 1/2"	N 1/4"	22	38,7	6,9
1802TRN3414	N 3/4"	N 1/4"	27	39,4	9,5
1802TRN1238	N 1/2"	N 3/8"	22	39,1	7,6
1802TRN3438	N 3/4"	N 3/8"	27	39,6	10,2
1802TRN3412	N 3/4"	N 1/2"	27	44,1	11,4

1810N

Male elbow NPT thread



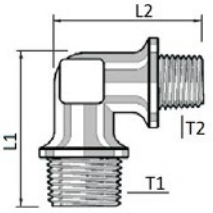


CODE	T	L	g
1810TRN18	N 1/8"	23,8	2,2
1810TRN14	N 1/4"	28,4	3,3

1812N

Reduced male elbow NPT thread

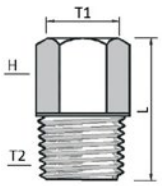




CODE	T1	T2	L1	L2	g
1812TRN1418	N 1/4"	N 1/8"	28,4	24,0	2,9

1820N M/F adapter NPT thread

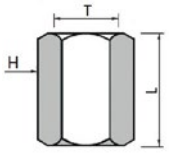




CODE	T1	T2	H	L	g
1820TRN1818	N 1/8"	N 1/8"	14	23,4	2,2
1820TRN1414	N 1/4"	N 1/4"	17	30,7	3,8
1820TRN3838	N 3/8"	N 3/8"	22	30,4	5,95
1820TRN1212	N 1/2"	N 1/2"	26	39,0	5,77
REDUCED M/F ADAPTER NPT THREAD					
1820TRN1814	N 1/8"	N 1/4"	14	23,4	2,55
1820TRN1838	N 1/8"	N 3/8"	14	27,4	3,13
1820TRN1812	N 1/8"	N 1/2"	14	32,5	4,66
1820TRN1438	N 1/4"	N 3/8"	17	30,5	4,23
1820TRN1412	N 1/4"	N 1/2"	17	35,5	5,8
1820TRN3812	N 3/8"	N 1/2"	22	35,5	7,66
ENLARGER M/F ADAPTER NPT THREAD					
1820TRN1418	N 1/4"	N 1/8"	17	26,5	3,17
1820TRN3818	N 3/8"	N 1/8"	22	26,3	5,06
1820TRN3814	N 3/8"	N 1/4"	22	26,5	5,68
1820TRN1218	N 1/2"	N 1/8"	26	30,0	7,73
1820TRN1214	N 1/2"	N 1/4"	26	34,0	8,04
1820TRN1238	N 1/2"	N 3/8"	26	36,6	8,66

1825N Female sleeve NPT thread

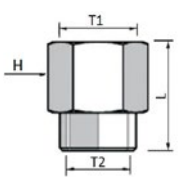




CODE	T	H	L	g
1825TRN18	N 1/8"	14	19,7	2,3
1825TRN14	N 1/4"	17	23,5	3,7
1825TRN38	N 3/8"	22	24,6	5,2
1825TRN12	N 1/2"	27	29,5	9,7

1827N Reduced female sleeve NPT thread



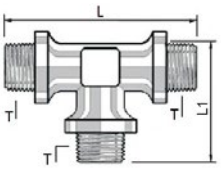


CODE	T1	T2	H	L	g
1827TRN1418	N 1/4"	N 1/8"	17	22,0	3,2
1827TRN3818	N 3/8"	N 1/8"	22	24,4	4,9
1827TRN3814	N 3/8"	N 1/4"	22	24,8	4,83
1827TRN1214	N 1/2"	N 1/4"	26	27,0	7,4
1827TRN1238	N 1/2"	N 3/8"	26	26,8	7,8

1830N

Male tee NPT thread



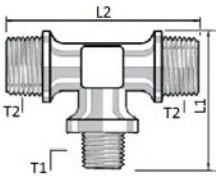


CODE	T	L	L1	g
1830TRN18	N 1/8"	39,3	24,0	3,2
1830TRN14	N 1/4"	48,4	28,5	4,8

1832N

Reduced male tee NPT thread



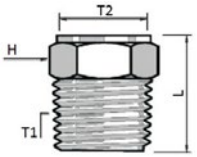


CODE	T1	T2	L1	L2	g
1832TRN1418	N 1/8"	N 1/4"	48,4	24,0	4,2

1840N

M/F reduced NPT thread



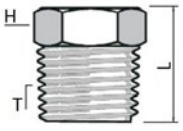


CODE	T1	T2	H	L	g
1840TRN1418	N 1/4"	N 1/8"	15	21,0	1,78
1840TRN3818	N 3/8"	N 1/8"	18	20,8	3,3
1840TRN3814	N 3/8"	N 1/4"	19	20,8	2,4
1840TRN1218	N 1/2"	N 1/8"	24	27,2	6,98
1840TRN1214	N 1/2"	N 1/4"	19	27,1	6,65
1840TRN1238	N 1/2"	N 3/8"	29	27,2	5,55
1840TRN3414	N 3/4"	N 1/4"	29	27,0	10,44
1840TRN3438	N 3/4"	N 3/8"	29	27,2	9,85
1840TRN3412	N 3/4"	N 1/2"	29	27,3	7,9

1850N

Male plug NPT thread





CODE	T	H	L	g
1850TRN18	N 1/8"	11	14,7	1,1
1850TRN14	N 1/4"	14	19,4	2
1850TRN38	N 3/8"	17	20,4	3,3
1850TRN12	N 1/2"	22	25,6	6
1850TRN34	N 3/4"	27	26,0	8,7

STANDARD FITTINGS PVDF

D.M. 174

NSF

PLUS

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EXTREMLY SIMPLE TO USE FOLLOWING TECHNICAL INFORMATION

ENVIRONMENTALLY FRIENDLY AND NON-TOXIC

RESISTANT TO COSTANT HIGH LEVEL TEMPERATURES

OPTIMISATION OF INTERNAL STEPS WHICH GUARANTEES FULL FLUID PASSAGE



p. 302 / **1900**



p. 302 / **1902**



p. 302 / **1910**



p. 302 / **1912**



p. 303 / **1920**



p. 303 / **1925**



p. 303 / **1927**



p. 304 / **1930**



p. 304 / **1932**



p. 304 / **1934**



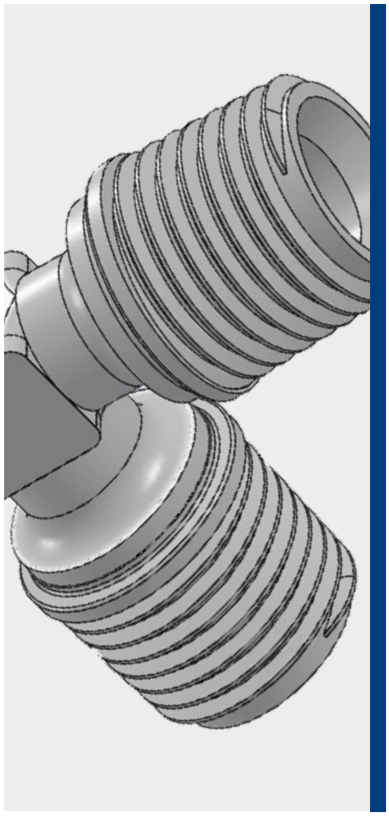
p. 304 / **1940**



p. 305 / **1950**



p. 305 / **1955**



-20°C ÷ +120°C
Subject to applications

Working pressure:
14 Bar (at 20°C)
Depending on the tube used

Compressed air, water and fluids suitable with construction materials

Taper gas BSPT ISO 7
from R1/8" to R1"

Body: Polyvinylidene fluoride (PVDF)

FEATURES

The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.

AVAIABILITY:

Available on request with NPT threads

Food contact materials
EC 1935/2004

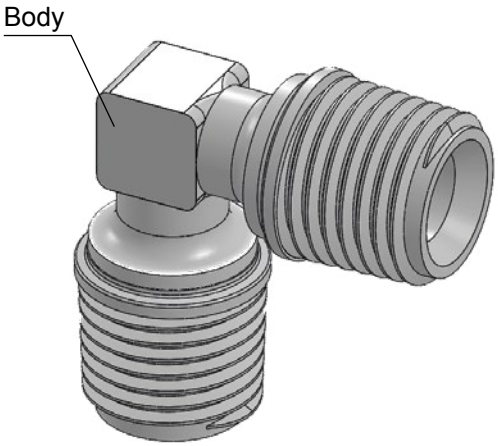
D.M. 174/2004

NSF 61 / NSF 372
NSF certificate on behalf of Tefen Flow and Dosing Technologies Ltd.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CINSTRUCTION DETAILS



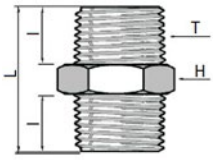
TIGHTENING TORQUE

TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	1/8"	1/2"	3/4"	1"
Nm	0,1	1	5	8	16	26

1900 Nipple BSPT thread

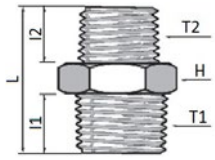




CODE	T	L	I	H	g
1900TR18	R 1/8"	23,2	8,0	11	1,4
1900TR14	R 1/4"	27,1	10,0	14	3,5
1900TR38	R 3/8"	28,2	10,0	17	4,2
1900TR12	R 1/2"	34,1	12,5	22	8,0

1902 Reduced nipple BSPT thread

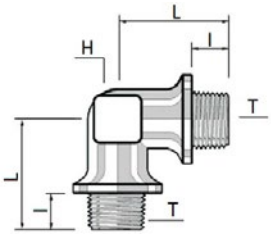




CODE	T1	T2	I1	I2	L	H	g
1902TR1418	R 1/4"	R 1/8"	10,5	8,5	25,2	14	2,5
1902TR3818	R 3/8"	R 1/8"	10,0	8,0	27,1	17	3,8
1902TR3814	R 3/8"	R 1/4"	10,0	10,0	28,5	17	4,1
1902TR1218	R 1/2"	R 1/8"	13,0	12,0	29,3	22	6,1
1902TR1214	R 1/2"	R 1/4"	13,0	10,5	31,5	22	6,7
1902TR1238	R 1/2"	R 3/8"	13,0	10,5	31,5	22	6,0
1902TR3412	R 3/4"	R 1/2"	13,5	13,0	34,5	27	7,5

1910 Male elbow BSPT thread

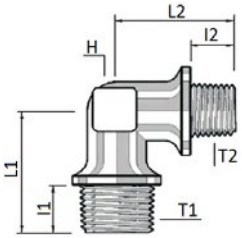




CODE	T	I	L	H	g
1910TR18	R 1/8"	8,0	20,0	10	3,0
1910TR14	R 1/4"	10,0	22,0	10	4,0
1910TR38	R 3/8"	10,0	24,0	14	7,0
1910TR12	R 1/2"	12,5	32,0	17	15,0

1912 Reduced male elobw BSPT thread

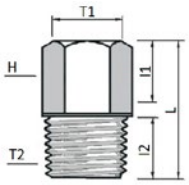




CODE	T1	T2	I1	I2	L1	L2	H	g
1912TR1418	R 1/4"	R 1/8"	10,0	8,0	22,0	20,0	12	3,6
1912TR3814	R 3/8"	R 1/4"	10,0	10,0	24,0	24,0	15	6,5
1912TR1238	R 1/2"	R 3/8"	12,5	10,0	32,0	29,5	17	13,0

1920 Adapter M/F BSPT thread

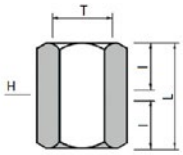




CODE	T1	T2	I1	I2	L	H	g
1920TR1818	R 1/8"	R 1/8"	9,0	8,0	23,0	14	1,0
1920TR1414	R 1/4"	R 1/4"	10,5	10,0	24,0	17	3,0
1920TR3838	R 3/8"	R 3/8"	11,0	10,5	26,0	22	5,3
1920TR1212	R 1/2"	R 1/2"	13,5	13,0	30,5	26	9,0
REDUCED ADAPTER M/F BSPT THREAD							
1920TR1814	R 1/8"	R 1/4"	10,5	10,0	23,0	14	2,4
1920TR1838	R 1/8"	R 3/8"	9,0	10,0	24,0	14	2,7
1920TR1812	R 1/8"	R 1/2"	9,0	12,0	27,0	14	4,1
1920TR1438	R 1/4"	R 3/8"	10,5	10,0	25,0	17	5,0
1920TR1412	R 1/4"	R 1/2"	10,5	10,0	27,0	17	4,8
1920TR3812	R 3/8"	R 1/2"	11,0	13,0	28,0	22	8,0
ENLARGER ADAPTER M/F BSPT THREAD							
1920TR1418	R 1/4"	R 1/8"	10,5	8,0	22,0	17	2,8
1920TR3818	R 3/8"	R 1/8"	11,0	8,0	23,0	22	4,8
1920TR3814	R 3/8"	R 1/4"	11,0	10,0	25,0	22	5,1
1920TR1218	R 1/2"	R 1/8"	13,5	8,0	25,5	26	7,0
1920TR1214	R 1/2"	R 1/4"	13,5	10,0	27,0	26	7,2
1920TR1238	R 1/2"	R 3/8"	13,5	10,0	28,0	26	8,0

1925 Sleeve F/F BSPT thread

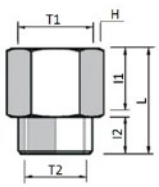




CODE	T	I	L	H	g
1925TR18	R 1/8"	9,0	20,0	14	2,3
1925TR14	R 1/4"	11,0	23,6	17	3,7
1925TR38	R 3/8"	11,0	24,5	21	5,2
1925TR12	R 1/2"	13,5	29,7	26	9,6
1925TR34	R 3/4"	18,0	38,0	34	16,8

1927 Reduced sleeve F/F BSPT thread

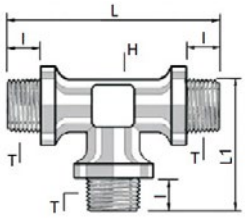




CODE	T1	T2	I1	I2	L	H	g
1927TR1418	R 1/4"	R 1/8"	11,0	9,0	22,0	17	3,2
1927TR3818	R 3/8"	R 1/8"	11,0	9,0	24,5	21	5,2
1927TR3814	R 3/8"	R 1/4"	11,0	11,0	24,5	21	6,0
1927TR1214	R 1/2"	R 1/4"	13,5	11,0	27,0	26	8,0
1927TR1238	R 1/2"	R 3/8"	13,5	11,0	27,0	26	7,7
1927TR3414	R 3/4"	R 1/4"	13,5	11,0	34,0	35	11,0
1927TR3412	R 3/4"	R 1/2"	13,5	11,0	34,0	35	14,5

1930 Male tee BSPT thread

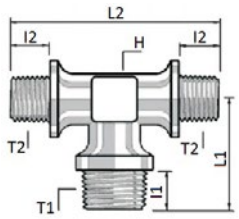




CODE	T	I	L	L1	H	g
1930TR18	R 1/8"	8,0	39,8	24,1	12	4,0
1930TR14	R 1/4"	10,0	44,0	26,2	12	5,0
1930TR38	R 3/8"	10,0	50,5	32,0	15	10,0
1930TR12	R 1/2"	12,5	64,0	40,3	17	22,0

1932 Reduced male tee BSPT thread

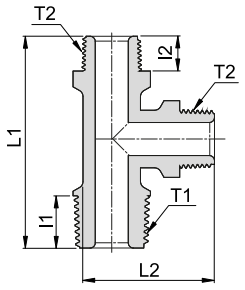




CODE	T1	T2	I1	I2	L1	L2	H	g
1932TR1814	R 1/8"	R 1/4"	8,0	10,0	20,0	39,7	12	4,4
1932TR1438	R 1/4"	R 3/8"	10,0	10,0	25,0	38,2	15	9,3
1932TR3812	R 3/8"	R 1/2"	10,0	12,5	29,5	60,2	17	17,3
ENLARGER MALE TEE BSPT THREAD								
1932TR1418	R 1/4"	R 1/8"	10,0	8,0	22,0	43,3	12	5,6
1932TR3814	R 3/8"	R 1/4"	10,0	10,0	25,0	60,2	15	9,7
1932TR1238	R 1/2"	R 3/8"	12,5	10,0	32,0	64,2	17	17,0

1934 Lateral reduced male tee BSPT thread

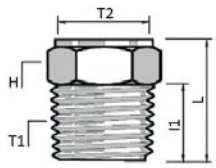




CODE	T1	T2	I1	I2	L1	L2	H	g
1934TR1814	R 1/8"	R 1/4"	8,0	10,0	42,7	25,5	12	5,0
1934TR1438	R 1/4"	R 3/8"	10,0	10,0	48,5	31,0	15	9,5
1934TR3812	R 3/8"	R 1/2"	10,0	12,5	62,0	38,2	17	19,0
LATERAL ENLARGER MALE TEE BSPT THREAD								
1934TR1418	R 1/4"	R 1/8"	10,0	8,0	41,8	26,3	12	4,9
1934TR3814	R 3/8"	R 1/4"	10,0	10,0	48,3	30,8	15	8,8
1934TR1238	R 1/2"	R 3/8"	12,5	10,0	62,0	40,0	17	17,9

1940 M/F reduced BSPT thread



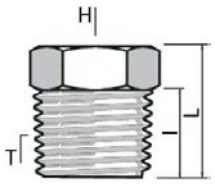


CODE	T1	T2	I1	L	H	g
1940TR1418	R 1/4"	R 1/8"	10,0	17,2	14	1,5
1940TR3818	R 3/8"	R 1/8"	10,5	17,8	17	2,7
1940TR3814	R 3/8"	R 1/4"	10,5	17,8	17	2,1
1940TR1218	R 1/2"	R 1/8"	12,5	20,7	22	6,0
1940TR1214	R 1/2"	R 1/4"	12,5	20,4	22	5,0
1940TR1238	R 1/2"	R 3/8"	12,5	20,7	22	3,8
1940TR3414	R 3/4"	R 1/4"	13,5	22,0	27	8,9
1940TR3438	R 3/4"	R 3/8"	13,5	22,2	27	8,1
1940TR3412	R 3/4"	R 1/2"	13,5	22,4	27	7,0

drawings and technical data are not binding & can be changed without notice

1950 Male plug BSPT thread

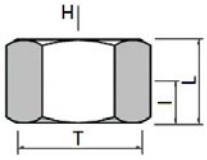




CODE	T	I	L	H	g
1950TR18	R 1/8"	9,0	13,6	12	1,0
1950TR14	R 1/4"	10,5	16,6	15	2,0
1950TR38	R 3/8"	10,5	16,1	18	3,0
1950TR12	R 1/2"	12,5	19,6	22	5,0
1950TR34	R 3/4"	15,0	22,0	27	8,0
1950TR1	R 1"	20,0	27,0	36	9,5

1955 Female plug BSPT thread





CODE	T	I	L	H	g
1955TR18	R 1/8"	9,0	10,4	13	1,1
1955TR14	R 1/4"	10,0	14,2	17	1,2
1955TR38	R 3/8"	11,0	14,2	20	2,7
1955TR12	R 1/2"	13,5	17,1	24	4,3
1955TR34	R 3/4"	14,0	17,1	30	6,2



STANDARD FITTINGS
STAINLESS STEEL AISI 316

D.M. 174

PLUS

USABLE WITH DIFFERENT FLUIDS AND IN AGGRESSIVE ENVIRONMENTS

DESIGNED FOR HEAVY DUTY USE THANKS TO THEIR STURDINESS

SUITABLE FOR FOOD CONTACT



p. 310 / **1410**



p. 310 / **1412**



p. 310 / **1420**



p. 311 / **1425**



p. 311 / **1426**



p. 311 / **1430**



p. 312 / **1440**



p. 312 / **1461**



p. 314 / **P-SL**



p. 314 / **P-SSL**



p. 314 / **P-ST**



p. 314 / **P-SBT**



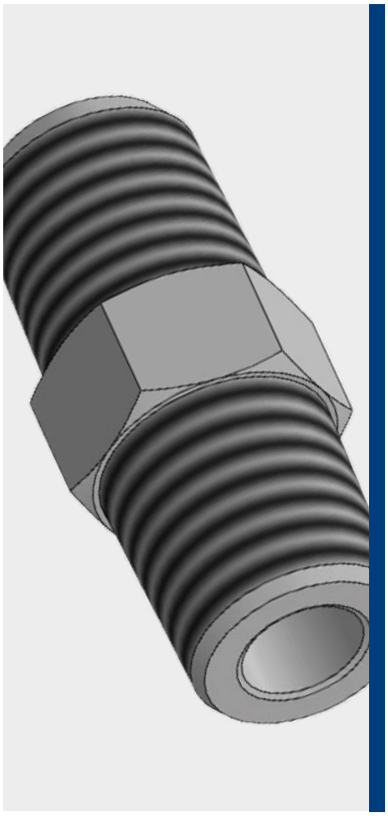
p. 315 / **P-SHN**



p. 315 / **P-MFAA**



p. 315 / **1449**



-20°C ÷ +180°C

Working pressure:
150 Bar

Compressed air, potable water and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R3/4"
- Parallel gas BSPP ISO 228 from G1/8" to G3/4"

Body: Stainless steel AISI 316

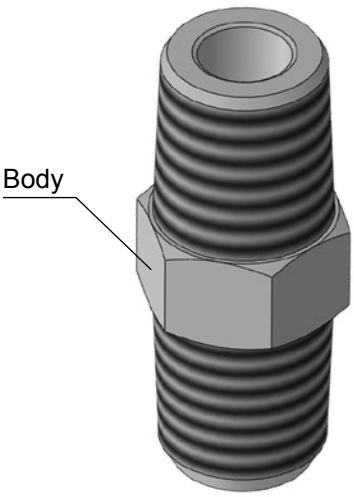
Food contact materials EC 1935/2004

D.M. 174/2004

Products in compliance with EC Regulation 1907/2006

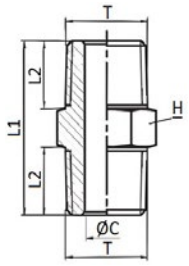
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



1410 Nipple BSPT thread

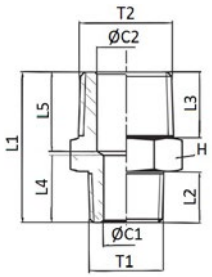




CODE	T	ØC	L1	L2	H	g
1410TR18	R 1/8"	5	24	9,0	12	11,3
1410TR14	R 1/4"	7	27	10,5	14	19,6
1410TR38	R 3/8"	10	30	11,5	17	29,9
1410TR12	R 1/2"	13	38	15,0	22	58,0
1410TR34	R 3/4"	18	46	18,0	27	95,4

1412 Reduced nipple BSPT thread

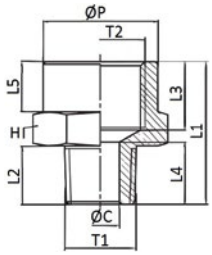




CODE	T1	T2	ØC1	ØC2	L1	L2	L3	L4	L5	H	g
1412TR1814	R 1/8"	R 1/4"	7	5	25,5	10,5	9,0	15,0	9,9	14	15,9
1412TR1438	R 1/4"	R 3/8"	7	10	29,0	10,5	11,5	13,10	15,0	17	26,6
1412TR1412	R 1/4"	R 1/2"	7	13	33,0	10,5	15,0	13,27	18,0	22	45,3
1412TR3812	R 3/8"	R 1/2"	10	13	34,0	11,5	15,0	15,10	18,0	22	48,5
1412TR1234	R 1/2"	R 3/4"	13	18	43,0	15,0	18,0	19,60	22,0	27	87,1

1420 Enlarger male BSPT thread & female BSPP thread

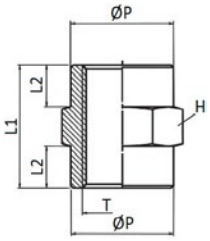




CODE	T1	T2	ØC	ØP	L1	L2	L3	L4	L5	H	g
1420TR1814	R 1/8"	G 1/4"	5	16,5	22	8	11,0	9,1	8,0	17	16,2
1420TR1438	R 1/4"	G 3/8"	7	21,5	27,0	11	13,0	11,7	9,5	22	33,2
1420TR3812	R 3/8"	G 1/2"	10	26,5	30,0	11	15,0	12,4	11,5	27	54,6

1425 Female sleeve BSPP thread

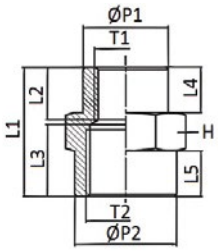




CODE	T	ØP	L1	L2	H	g
1425TR18	G 1/8"	13,0	15	5,0	14	8,9
1425TR14	G 1/4"	16,5	22	7,5	17	17,4
1425TR38	G 3/8"	21,5	25	8,5	22	34,4
1425TR12	G 1/2"	26,5	32	11,0	27	64,4
1425TR34	G 3/4"	31,5	34	12,0	32	79,3

1426 Reduced female sleeve BSPP thread

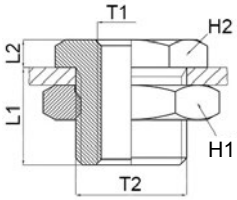




CODE	T1	T2	ØP1	ØP2	L1	L2	L3	L4	L5	H	g
1426TR1814	G 1/8"	G 1/4"	13,5	16,5	23,0	9,1	13	7,0	9,0	17	18,4
1426TR1438	G 1/4"	G 3/8"	18,0	21,5	27,0	11,0	15	9,5	9,5	22	36,2
1426TR1412	G 1/4"	G 1/2"	18,0	26,5	30,0	10,8	17	9,5	10,5	27	56,8
1426TR3812	G 3/8"	G 1/2"	21,5	26,5	30,0	11,8	17	8,0	13,0	27	61,6
1426TR1234	G 1/2"	G 3/4"	26,5	31,5	36,0	14,6	20	11,0	15,0	32	88,3

1430 Bulkhead BSPP thread



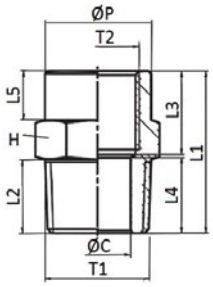


CODE	T1	T2	L1	L2	H1	H2	g
1430TR14M2015	G 1/4"	M20x1,5	20	4	27	24	58,0
1430TR12M2815	G 1/2"	M28x1,5	27	6	36	32	125,0

1440

Reduced male BSPT thread & female BSPP thread



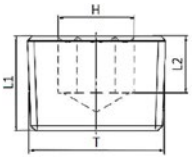


CODE	T1	T2	ØP	ØC	L1	L2	L3	L4	L5	H	g
1440TR1418	R 1/4"	G 1/8"	13,5	7,0	23,5	11,0	9	13,0	7,0	14	16,0
1440TR3814	R 3/8"	G 1/4"	16,5	10,0	26,5	11,5	12	13,1	8,0	17	23,7
1440TR1238	R 1/2"	G 3/8"	21,4	13,0	33,0	15,0	17	15,4	10,0	22	47,0

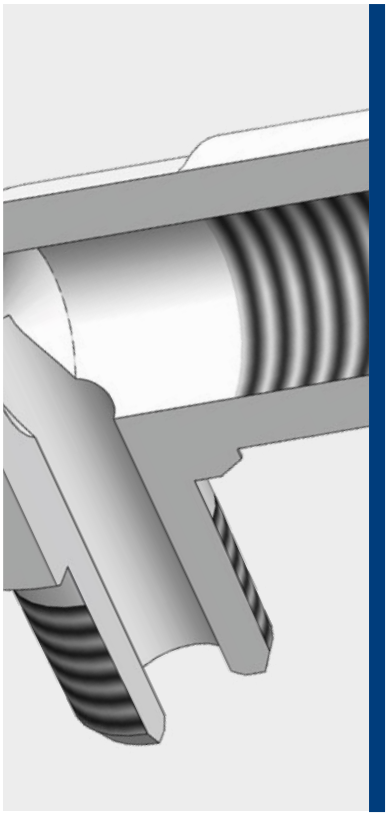
1461

Male plug BSPT thread with exagon embedded





CODE	T	L1	L2	H	g
1461TR18	R 1/8"	8,2	5,0	5	3,0
1461TR14	R 1/4"	10,2	6,0	6	7,4
1461TR38	R 3/8"	11,6	7,0	8	14,0
1461TR12	R 1/2"	13,3	8,0	10	24,5
1461TR34	R 3/4"	15,0	9,0	12	46,4



-198°C ÷ +648°C
-28°C ÷ +204°C (1449)

Working pressure:
See the table for each code.
The pressure was calculated at 37.8 °C.

Compressed air, water and fluids suitable with construction materials

- Taper gas BSPT ISO 7
  from R1/8" to R1"
- Parallel gas BSPP ISO 228
  from G1/8" to G1-1/2"
- NPT
  from N1/8" to N1"

Body: Stainless steel AISI 316
O-ring: Viton (1449)

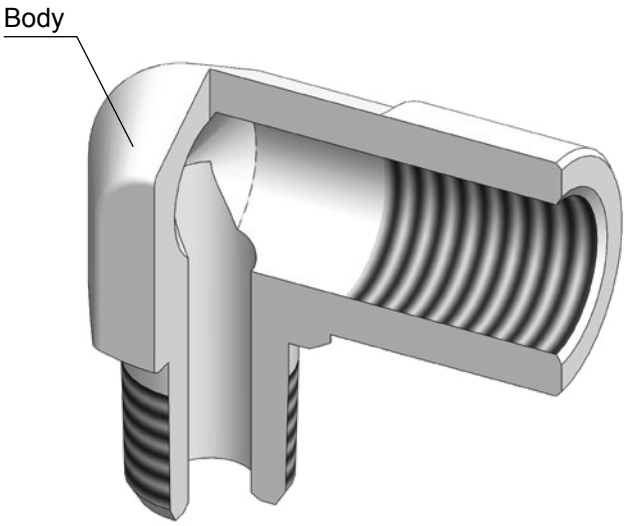
Food contact materials
EC 1935/2004

D.M. 174/2004

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

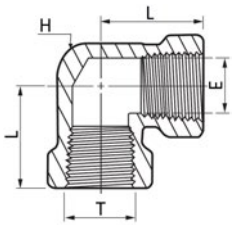
CONSTRUCTION DETAILS



P-SL

Female elbow BSPP thread



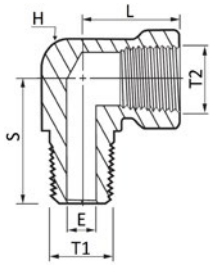


CODE	T	L	E	H	PN (Bar)
P-SL-2G	G 1/8"	24,1	8,9	12,7	448
P-SL-4G	G 1/4"	29,0	11,7	17,5	455
P-SL-6G	G 3/8"	34,5	15,0	20,6	365
P-SL-8G	G 1/2"	37,0	18,7	25,4	338
P-SL-12G	G 3/4"	46,5	23,5	31,8	317
P-SL-16G	G 1"	48,8	29,7	42,9	303

P-SSL

Male elbow BSPT thread & female BSPP thread



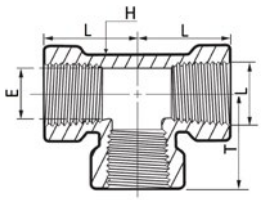


CODE	T1	T2	E	L	S	H	PN (Bar)
P-SSL-2GR	R 1/8"	G 1/8"	4,8	24,1	19,6	12,7	448
P-SSL-4GR	R 1/4"	G 1/4"	7,1	29,0	26,5	17,5	455
P-SSL-6GR	R 3/8"	G 3/8"	9,6	34,5	28,2	20,6	365
P-SSL-8GR	R 1/2"	G 1/2"	11,9	37,0	35,3	25,4	338
P-SSL-12GR	R 3/4"	G 3/4"	15,7	46,5	39,6	31,8	317
P-SSL-16GR	R 1"	G 1"	22,3	48,8	49,2	42,9	303

P-ST

Female tee BSPP thread



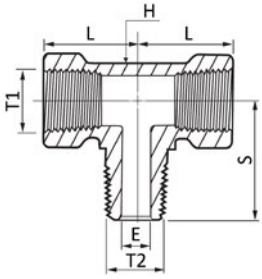


CODE	T	E	L	H	PN (Bar)
P-ST-2G	G 1/8"	8,9	24,1	12,7	448
P-ST-4G	G 1/4"	11,7	29,0	17,5	455
P-ST-6G	G 3/8"	15,0	34,5	20,6	365
P-ST-8G	G 1/2"	18,7	37,0	25,4	338
P-ST-12G	G 3/4"	23,5	46,5	31,8	317
P-ST-16G	G 1"	29,7	48,5	42,9	303

P-SBT

Male tee BSPT thread & female BSPP thread





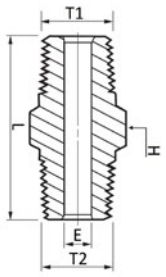
CODE	T1	T2	E	L	S	H	PN (bar)
P-SBT-2GR	G 1/8"	R 1/8"	4,8	24,1	19,6	12,7	448
P-SBT-4GR	G 1/4"	R 1/4"	7,1	29,0	26,5	17,5	455
P-SBT-6GR	G 3/8"	R 3/8"	9,6	34,5	28,2	20,6	365
P-SBT-8GR	G 1/2"	R 1/2"	11,9	37,0	35,3	25,4	338
P-SBT-12GR	G 3/4"	R 3/4"	15,7	46,5	39,6	31,8	317
P-SBT-16GR	G 1"	R 1"	22,3	48,8	49,2	42,9	303

drawings and technical data are not binding & can be changed without notice

P-SHN

Nipple adapter NPT & BSPT thread



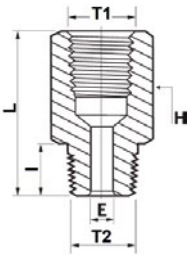


CODE	T1	T2	L	E	H	PN (Bar)
P-SHN-2NR	N 1/8"	R 1/8"	24,6	4,1	11,1	689
P-SHN-4NR	N 1/4"	R 1/4"	35,6	6,4	14,2	551
P-SHN-6NR	N 3/8"	R 3/8"	36,3	9,7	17,4	538
P-SHN-8NR	N 1/2"	R 1/2"	46,0	11,9	22,2	531
P-SHN-12NR	N 3/4"	R 3/4"	46,7	15,7	26,9	503
P-SHN-16NR	N 1"	R 1"	58,9	22,4	34,9	365

P-MFAA

Adapter male BSPT thread & female NPT thread



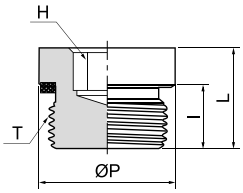


CODE	T1	T2	L	I	E	H	PN (Bar)
P-MFAA-2RN	N 1/8"	R 1/8"	27,4	9,7	4,8	14,2	448
P-MFAA-4RN	N 1/4"	R 1/4"	35,8	14,2	7,1	19,05	455
P-MFAA-6RN	N 3/8"	R 3/8"	37,6	14,2	9,7	22,2	365
P-MFAA-8RN	N 1/2"	R 1/2"	49,0	19,1	11,9	26,9	338
P-MFAA-12RN	N 3/4"	R 3/4"	50,3	19,1	15,7	31,8	317
P-MFAA-16RN	N 1"	R 1"	58,0	23,9	22,3	41,2	303

1449

Male plug BSPP thread with Viton O-ring, DIN2353

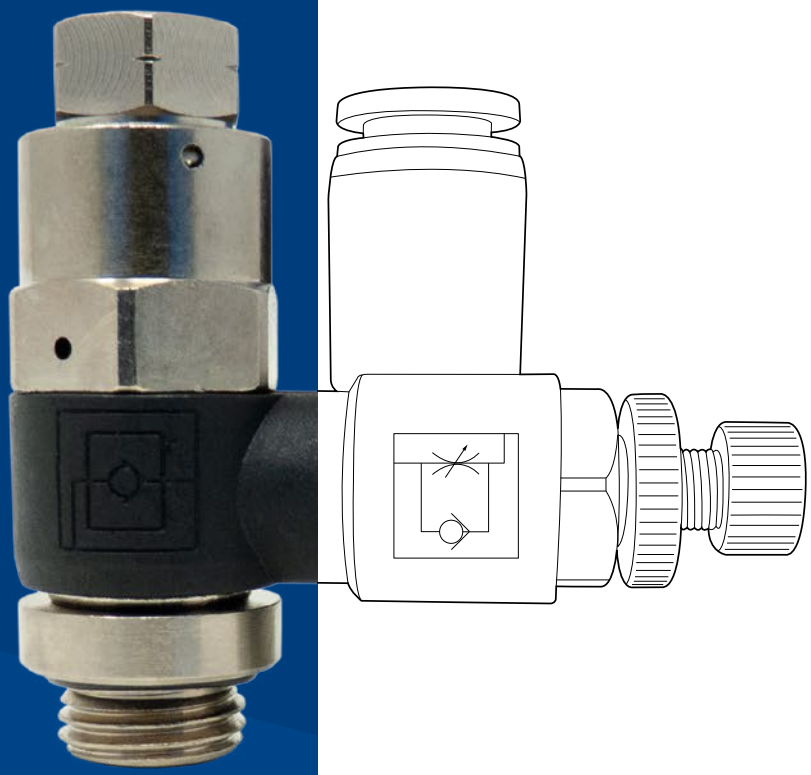




CODE	T	ØP	L	I	H	PN (Bar)
1449TRH18-V	G 1/8"	14	12,0	8	5	400
1449TRH14-V	G 1/4"	19	17,0	12	6	400
1449TRH38-V	G 3/8"	22	17,0	12	8	400
1449TRH12-V	G 1/2"	27	19,0	14	10	400
1449TRH34-V	G 3/4"	32	21,0	16	12	400
1449TRH1-V	G 1"	40	22,5	16	17	400
1449TRH114-V	G 1-1/4"	50	22,5	16	22	250
1449TRH112-V	G 1-1/2"	55	22,5	16	24	250



FUNCTION FITTINGS



TECHNICAL INDEX



p. 319
FLOW REGULATORS



p. 355
EXHAUST VALVES



p. 367
STOP FITTINGS



p. 373
CHECK VALVES

FUNCTION FITTINGS FLOW REGULATORS

PLUS

MADE OF DIFFERENT MATERIALS FOR SPECIFIC INDUSTRIAL APPLICATIONS

ALSO AVAILABLE IN MANUAL EXHAUST

THE DOUBLE FUNCTION FITTINGS WITH INTEGRATED CHECK VALVE COMPLETE THE RANGE

PRECISE REGULATION THAT ALLOWS AN ACCURATE FLOW DOSAGE WITH LIMITED PRESSURE LOSS

PASSAGE Ø OPTIMIZED IN ACCORDANCE WITH DIMENSIONS

BANJO FLOW REGULATORS / WTR SERIES



p. 324 / **WTRFR-R**



p. 324 / **WTRFR-R-IN**



p. 325 / **WTRFR-G**



p. 325 / **WTRFR-G-IN**

FLAT FLOW REGULATORS / WTR SERIES



p. 328 / **WTRNSF**

BANJO FLOW REGULATORS / M SERIES



p. 331 / **MSC-R**



p. 331 / **MSC-G**

FLAT FLOW REGULATORS / M SERIES



p. 334 / **MSF**

BANJO FLOW REGULATORS / BRASS & ZINC CDC



p. 336 / **NSCF**

BANJO FLOW REGULATORS / BRASS



p. 338 / **OTSC-G**



p. 338 / **OTSC-G-IN**



p. 338 / **OTSC-G-D**



p. 339 / **OTSC-G-D-IN**



p. 339 / **OTSC-G-D-B**



p. 339 / **OTSC-G-DF**



p.340 / **OTSC-G-DF-IN**



p. 340 / **OTSC-G-DF-B**

FLAT FLOW REGULATORS / ALUMINIUM



p. 342 / **ASF-U**



p. 342 / **ASF-B**

FLOW REGULATORS / ACETAL RESIN



p. 344 / **HSTU**



p. 344 / **HSLU**



p. 344 / **HSTB**



p. 344 / **HSLB**

FLOW REGULATORS / YELLOW BRASS CW510L



p. 346 / **LFSF-B**

BANJO FLOW REGULATORS / STAINLESS STEEL AISI 316



p. 348 / **SXSC-D**



p. 348 / **SXSC-DF**

FLAT FLOW REGULATORS / STAINLESS STEEL AISI 316



p. 350 / **XSFC-U**



p. 350 / **XSFC-B**



p. 350 / **XSFC-U-N**



p. 350 / **XSFC-B-N**

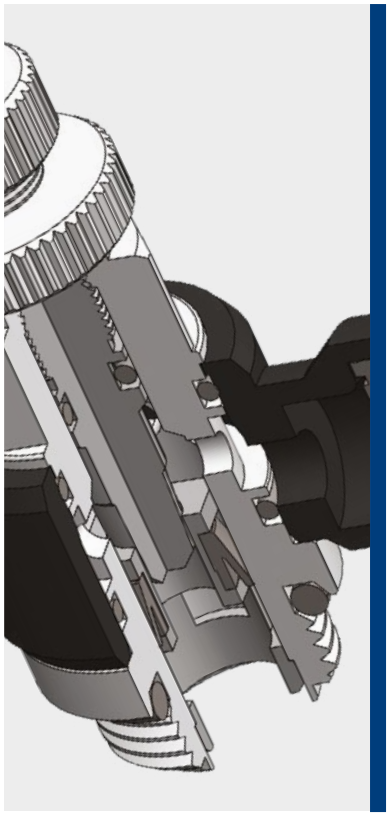
REGOLATORI DI FLUSSO CON VALVOLA DI BLOCCO PILOTATA / TECNOPOLIMERO



p. 353 / **PVSC-R**



p. 353 / **PVSC-G**



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & Vacuum

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow regulation

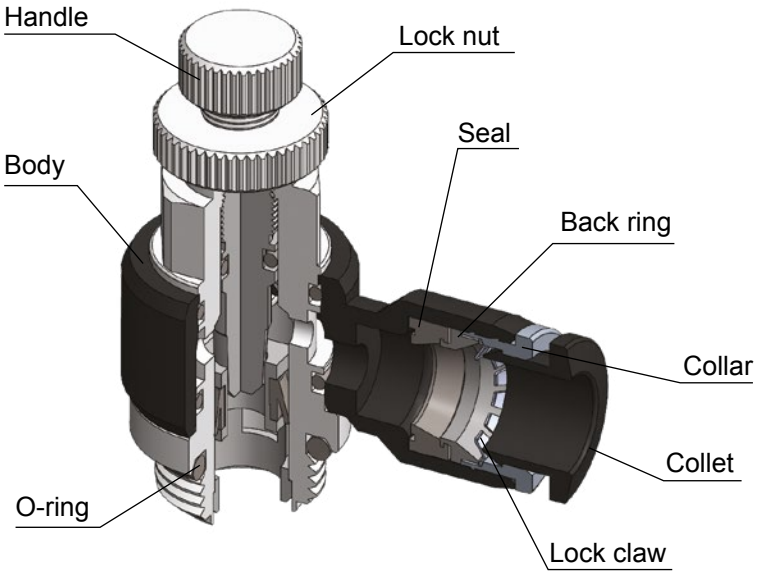
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR silicone free
O-ring: NBR silicone free
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

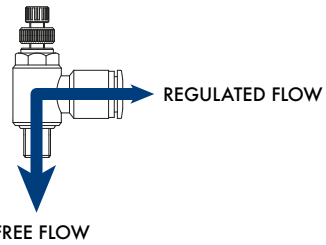
Products in compliance with EC Regulation 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

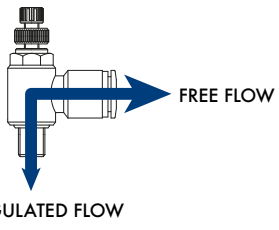
CONSTRUCTION DETAILS



EXHAUST (FOR CYLINDERS)
black collet



SUPPLY (FOR VALVES)
red collet



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

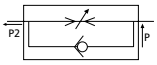
THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"
Nm	1,5	10	15	25	40

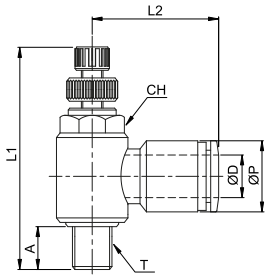
drawings and technical data are not binding & can be changed without notice

WTRFR-R

Banjo male elbow flow regulator unidirectional, for cylinders, BSPT thread with handle regulation





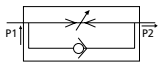


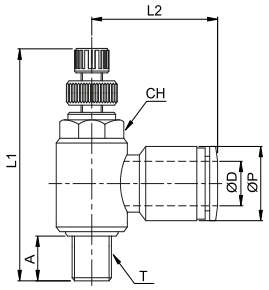
CODE	ØD	T	ØP	L1	L2	A	CH	g
WTRFR04R01	4	R 1/8"	11,1	39,7	22,3	7	10	18
WTRFR04R02		R 1/4"	11,1	45,5	24,1	9,5	14	35,9
WTRFR06R01	6	R 1/8"	13	39,7	23,1	7	10	18,5
WTRFR06R02		R 1/4"	13	45,5	25,1	9,5	14	36,5
WTRFR06R03		R 3/8"	13	52	26,8	10,5	19	60,5
WTRFR06R04		R 1/2"	13	58	29,8	13,5	24	92,7
WTRFR08R01	8	R 1/8"	15,1	39,7	25,6	7	10	19,3
WTRFR08R02		R 1/4"	15,1	45,5	28,6	9,5	14	37,3
WTRFR08R03		R 3/8"	15,1	52	29,6	10,5	19	61,1
WTRFR08R04		R 1/2"	15,1	58	32,6	13,5	24	93,4
WTRFR10R01	10	R 1/8"	18,8	39,7	28,8	7	10	22,7
WTRFR10R02		R 1/4"	18,8	45,5	31	9,5	14	40,7
WTRFR10R03		R 3/8"	18,8	52	31,6	10,5	19	64,5
WTRFR10R04		R 1/2"	18,8	58	34,6	13,5	24	96,8
WTRFR12R02	12	R 1/4"	21,5	45,5	33,5	9,5	14	42,2
WTRFR12R03		R 3/8"	21,5	52	35,6	10,5	19	66,1
WTRFR12R04		R 1/2"	21,5	58	36,6	13,5	24	98,3

WTRFR-R-IN

Banjo male elbow flow regulator unidirectional, for valves, BSPT thread with handle regulation





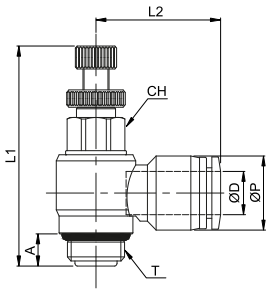


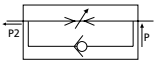
CODE	ØD	T	ØP	L1	L2	B	H	g
WTRFR04R01-IN	4	R 1/8"	11,1	39,7	22,3	7	10	18
WTRFR04R02-IN		R 1/4"	11,1	45,5	24,1	9,5	14	35,9
WTRFR06R01-IN	6	R 1/8"	13	39,7	23,1	7	10	18,5
WTRFR06R02-IN		R 1/4"	13	45,5	25,1	9,5	14	36,5
WTRFR06R03-IN		R 3/8"	13	52	26,8	10,5	19	60,5
WTRFR06R04-IN		R 1/2"	13	58	29,8	13,5	24	92,7
WTRFR08R01-IN	8	R 1/8"	15,1	39,7	25,6	7	10	19,3
WTRFR08R02-IN		R 1/4"	15,1	45,5	28,6	9,5	14	37,3
WTRFR08R03-IN		R 3/8"	15,1	52	29,6	10,5	19	61,1
WTRFR08R04-IN		R 1/2"	15,1	58	32,6	13,5	24	93,4
WTRFR10R01-IN	10	R 1/8"	18,8	39,7	28,8	7	10	22,7
WTRFR10R02-IN		R 1/4"	18,8	45,5	31	9,5	14	40,7
WTRFR10R03-IN		R 3/8"	18,8	52	31,6	10,5	19	64,5
WTRFR10R04-IN		R 1/2"	18,8	58	34,6	13,5	24	96,8
WTRFR12R02-IN	12	R 1/4"	21,5	45,5	33,5	9,5	14	42,2
WTRFR12R03-IN		R 3/8"	21,5	52	35,6	10,5	19	66,1
WTRFR12R04-IN		R 1/2"	21,5	58	36,6	13,5	24	98,3

WTRFR-G

Banjo male elbow flow regulator unidirectional, for cylinders, BSPP & metric thread with handle regulation





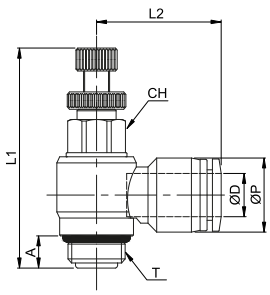


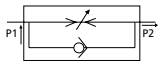
CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRFR04M5	4	M5x0,8	11,1	4	29,3	20	8	15
WTRFR04G01		G 1/8"	11,1	5	39,7	22,3	8	18
WTRFR04G02		G 1/4"	11,1	6	45,5	24,1	12	36
WTRFR06M5	6	M5x0,8	13	4	29,3	21,9	8	17
WTRFR06G01		G 1/8"	13	5	39,7	23,1	8	18,5
WTRFR06G02		G 1/4"	13	6	45,5	25,1	12	36,5
WTRFR06G03		G 3/8"	13	7,2	52	26,8	14	60,5
WTRFR06G04		G 1/2"	13	8,2	58	29,8	17	92,7
WTRFR08G01	8	G 1/8"	15,1	5	39,7	25,6	8	19,3
WTRFR08G02		G 1/4"	15,1	6	45,5	8,6	12	37,3
WTRFR08G03		G 3/8"	15,1	7,2	52	29,6	14	61,1
WTRFR08G04		G 1/2"	15,1	8,2	58	32,6	17	93,4
WTRFR10G01	10	G 1/8"	18,8	5	39,7	28,8	8	22,7
WTRFR10G02		G 1/4"	18,8	6	45,5	31,1	12	40,7
WTRFR10G03		G 3/8"	18,8	7,2	52	31,6	14	64,5
WTRFR10G04		G 1/2"	18,8	8,2	58	34,6	17	96,8
WTRFR12G02	12	G 1/4"	21,5	6	45,5	33,5	12	42,2
WTRFR12G03		G 3/8"	21,5	7,2	52	35,6	14	66,1
WTRFR12G04		G 1/2"	21,5	8,2	58	36,6	17	98,3

WTRFR-G-IN

Banjo male elbow flow regulator unidirectional, for valves, BSPP & metric thread with handle regulation







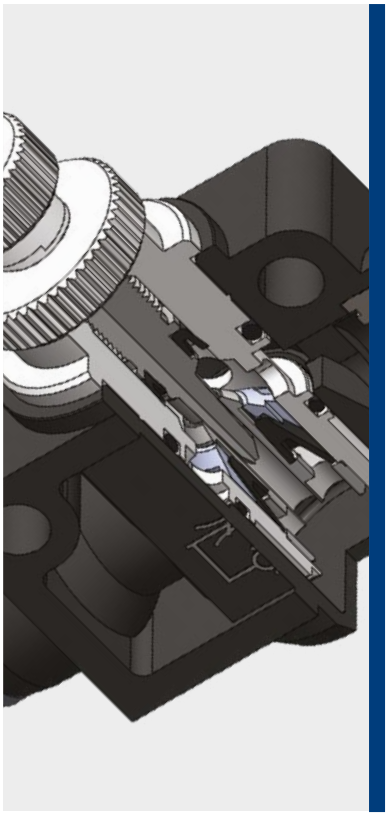
CODE	ØD	T	ØP	A	L1	L2	CH	g
WTRFR04M5	4	M5x0,8	11,1	4	29,3	20	8	15
WTRFR04G01		G 1/8"	11,1	5	39,7	22,3	8	18
WTRFR04G02		G 1/4"	11,1	6	45,5	24,1	12	36
WTRFR06M5	6	M5x0,8	13	4	29,3	21,9	8	17
WTRFR06G01		G 1/8"	13	5	39,7	23,1	8	18,5
WTRFR06G02		G 1/4"	13	6	45,5	25,1	12	36,5
WTRFR06G03		G 3/8"	13	7,2	52	26,8	14	60,5
WTRFR06G04		G 1/2"	13	8,2	58	29,8	17	92,7
WTRFR08G01	8	G 1/8"	15,1	5	39,7	25,6	8	19,3
WTRFR08G02		G 1/4"	15,1	6	45,5	8,6	12	37,3
WTRFR08G03		G 3/8"	15,1	7,2	52	29,6	14	61,1
WTRFR08G04		G 1/2"	15,1	8,2	58	32,6	17	93,4
WTRFR10G01	10	G 1/8"	18,8	5	39,7	28,8	8	22,7
WTRFR10G02		G 1/4"	18,8	6	45,5	31,1	12	40,7
WTRFR10G03		G 3/8"	18,8	7,2	52	31,6	14	64,5
WTRFR10G04		G 1/2"	18,8	8,2	58	34,6	17	96,8
WTRFR12G02	12	G 1/4"	21,5	6	45,5	33,5	12	42,2
WTRFR12G03		G 3/8"	21,5	7,2	52	35,6	14	66,1
WTRFR12G04		G 1/2"	21,5	8,2	58	36,6	17	98,3

TierreGroup®

Always a fittings solution



FOLLOW US!



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & Vacuum

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow regulation

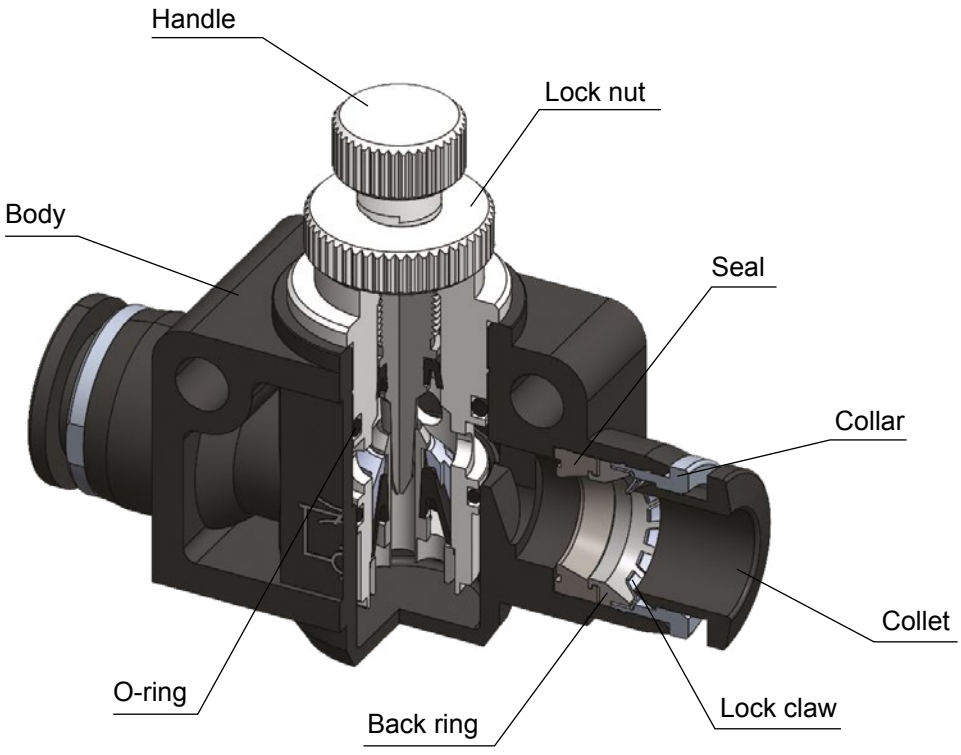
Body: PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

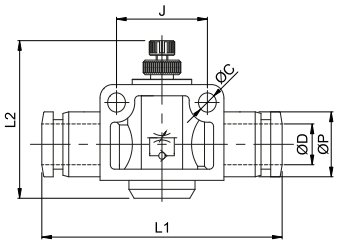
CONSTRUCTION DETAILS

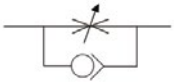


WTRNSF

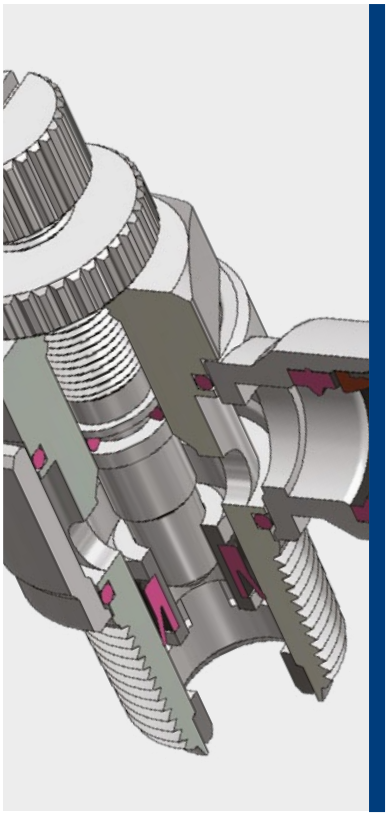
Unidirectional flat flow regulator with handle regulation







CODE	ØD	ØP	ØC	J	L1	L2	g
WTRNSF04	4	11,1	3,2	14	39,5	28,8	11,7
WTRNSF06	6	13	4,3	20	47,6	42,6	27
WTRNSF08	8	15,1	4,3	22	52,6	44,3	39,5
WTRNSF10	10	18,8	4,3	26	60,5	53,4	69
WTRNSF12	12	21,5	4,3	32	74,2	55,6	113,2



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Pressure peaks do not exceed the max working pressure

Compressed air & vacuum
(do not use with water)

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  with OR from G1/8" to G1/2"
- Metric ISO 262
  M5

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow regulation and screwdriver

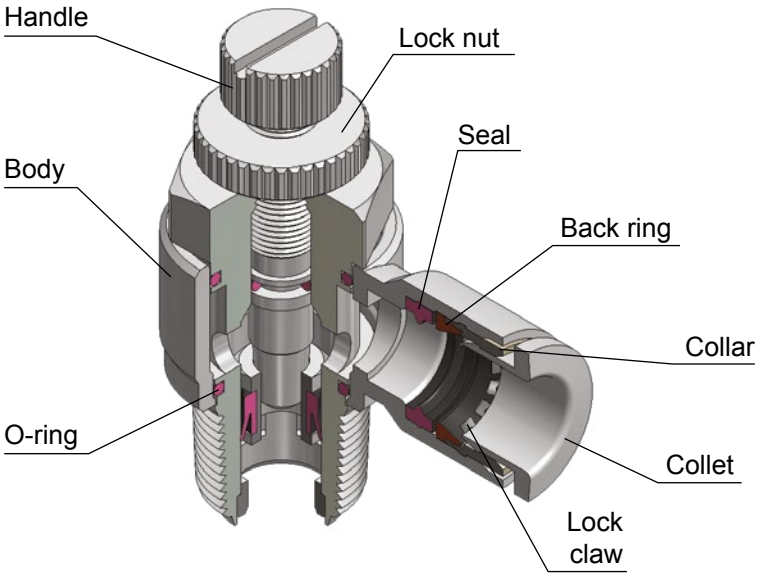
Body: Nickel-plated brass and PA66
Collet: PA66
Collar: PA66
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

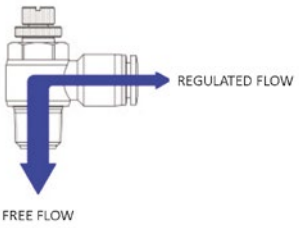
REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EXHAUST (FOR CYLINDERS)



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

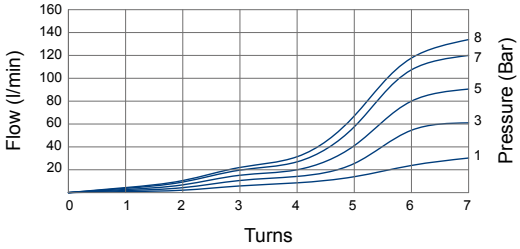
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"
Nm	1,5	10	15	25	40

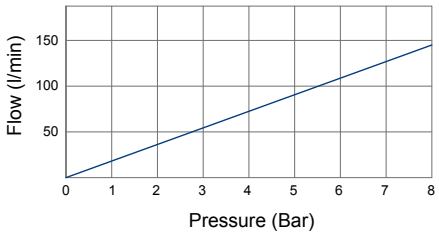
drawings and technical data are not binding & can be changed without notice

MSC04M5
MSC06M5

Flow Control

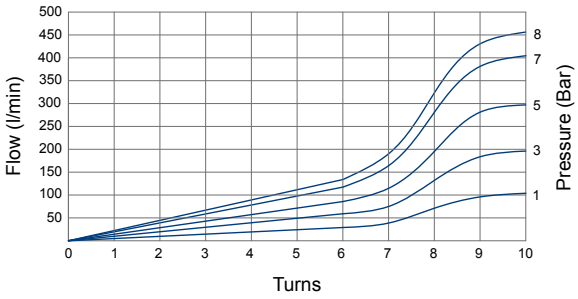


Free Flow

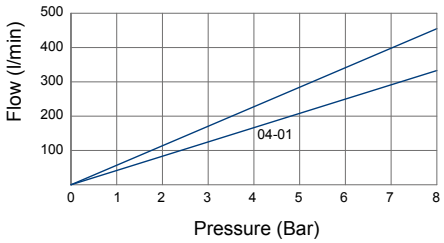


MSC0401
MSC0601
MSC0801
MSC1001

Flow Control

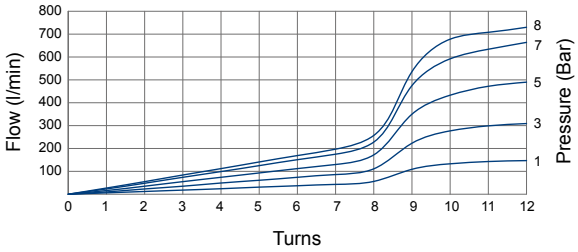


Free Flow

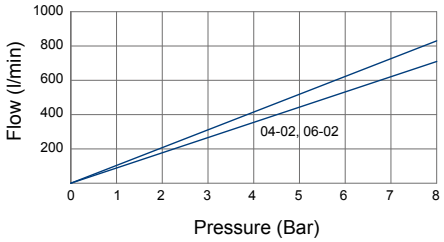


MSC0402
MSC0602
MSC0802
MSC1002
MSC1202

Flow Control

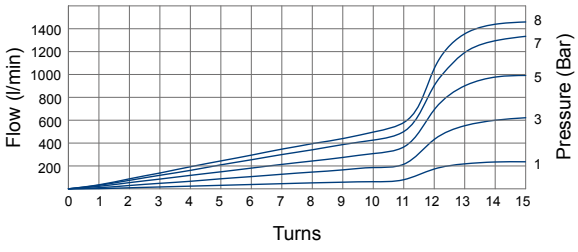


Free Flow

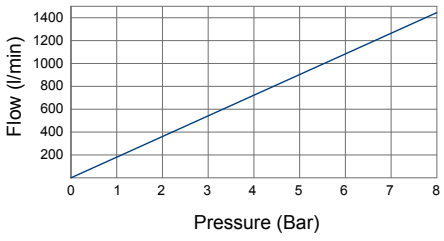


MSC0603
MSC0803
MSC1003
MSC1203

Flow Control

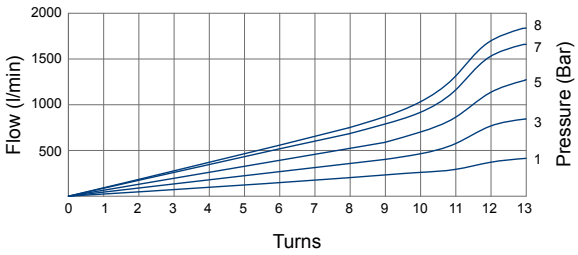


Free Flow

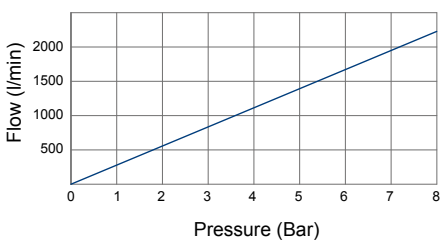


MSC0604
MSC0804
MSC1004
MSC1204

Flow Control



Free Flow

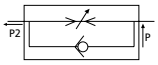


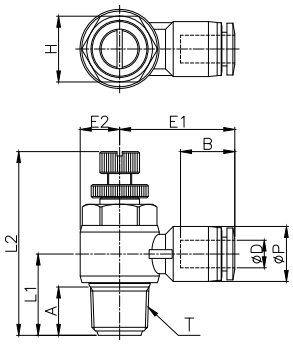
drawings and technical data are not binding & can be changed without notice

MSC-R

Banjo male elbow flow regulator unidirectional, for cylinders, BSPT thread with handle regulation







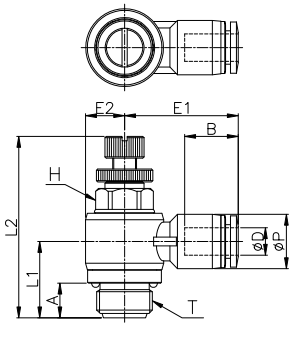
CODE	ØD	T	ØP	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
MSC04R01	4	R 1/8"	9,3	15,0	35,5	40.7	20,0	7.0	8.2	13,0	11
MSC04R02		R 1/4"	9,3	18,5	40,3	46.6	22,0	9.0	11.0	13,0	15
MSC06R01	6	R 1/8"	11,5	15,1	35,5	40,7	22,1	7,0	8,2	15,0	11
MSC06R02		R 1/4"	11,5	18,3	40,3	46,5	24,0	9,0	11,0	15,0	15
MSC06R03		R 3/8"	11,5	21,7	46,9	55,0	26,1	11,0	12,2	15,0	19
MSC06R04		R 1/2"	11,5	26,4	54,0	60,1	28,8	13,8	16,5	15,0	24
MSC08R01	8	R 1/8"	13,6	16,2	35,5	40,7	24,2	7,1	8,2	17,1	11
MSC08R02		R 1/4"	13,6	19,2	40,3	46,6	26,1	9,0	11,0	17,1	15
MSC08R03		R 3/8"	13,6	21,7	46,9	54,9	28,2	11,1	12,2	17,1	19
MSC08R04		R 1/2"	13,6	26,4	54,0	60,1	30,9	13,8	16,5	17,1	24
MSC10R01	10	R 1/8"	16,4	17,6	35,5	40,7	26,8	7,1	8,2	18,4	11
MSC10R02		R 1/4"	16,4	20,6	40,3	46,6	28,6	9,0	11,0	18,4	15
MSC10R03		R 3/8"	16,4	23,0	46,9	54,9	29,5	11,1	12,2	18,4	19
MSC10R04		R 1/2"	16,4	26,4	54,0	60,1	32,2	13,8	16,5	18,4	24
MSC12R02	12	R 1/4"	19,5	22,1	40,3	46,6	30,9	9,0	11,0	20,4	15
MSC12R03		R 3/8"	19,5	23,8	46,9	54,9	32,7	11,1	12,2	20,4	19
MSC12R04		R 1/2"	19,5	27,9	54,0	60,1	35,2	13,8	16,5	21,4	24

MSC-G

Banjo male swivel elbow flow regulator unidirectional, for cylinders, BSPP & metric thread with handle regulation







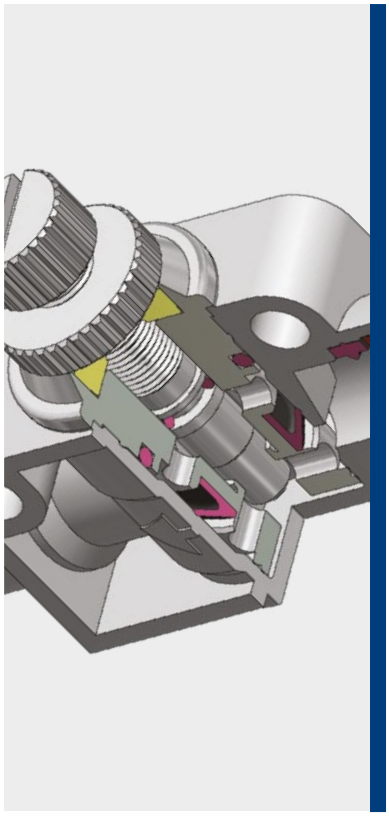
CODE	ØD	T	ØP	L1	L2 MIN	L2 MAX	E1	E2	A	B	H
MSC04M5	4	M5x0.8P	9,3	10,2	27,1	29,1	17,8	4,9	3,6	12,9	8
MSC04G01		G 1/8"	9,3	15,2	34,6	39,8	20,0	7,1	6,0	12,9	8
MSC04G02		G 1/4"	9,3	18,2	39,8	46,1	21,9	9,0	8,0	12,9	12
MSC06M5	6	M5x0.8P	11,5	11,3	27,1	29,1	20,9	4,9	3,6	15,0	8
MSC06G01		G 1/8"	11,5	15,2	34,6	39,8	22,1	7,1	6,0	15,0	8
MSC06G02		G 1/4"	11,5	18,3	39,8	46,1	24,0	9,0	8,0	15,0	12
MSC06G03		G 3/8"	11,5	21,2	47,7	54,9	26,1	11,1	8,0	15,0	14
MSC06G04		G 1/2"	11,5	23,0	54,5	61,7	28,8	13,8	9,0	15,0	17
MSC08G01	8	G 1/8"	13,6	13,9	34,6	39,8	24,2	7,1	6,0	17,1	8
MSC08G02		G 1/4"	13,6	17,4	39,8	46,1	26,1	9,0	8,0	17,1	12
MSC08G03		G 3/8"	13,6	21,2	47,7	54,9	28,2	11,1	8,0	17,1	14
MSC08G04		G 1/2"	13,6	23,0	54,5	61,7	30,9	13,8	9,0	17,1	17
MSC10G01	10	G 1/8"	16,4	17,8	34,6	39,8	25,5	7,1	6,0	18,4	8
MSC10G02		G 1/4"	16,4	19,8	39,8	46,1	27,4	9,0	8,0	18,4	12
MSC10G03		G 3/8"	16,4	19,9	47,7	54,9	29,5	11,1	8,0	18,4	14
MSC10G04		G 1/2"	16,4	23,0	54,5	61,7	32,2	13,8	9,0	18,4	17
MSC12G02	12	G 1/4"	29,5	21,3	34,6	39,8	29,4	9,0	8,0	20,4	12
MSC12G03		G 3/8"	29,5	19,1	47,7	54,9	32,7	11,1	8,0	20,4	14
MSC12G04		G 1/2"	29,5	21,4	54,5	61,7	35,2	13,8	9,0	21,4	17

TierreGroup®

Always a fittings solution



FOLLOW US!



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 kPa)

Pressure peaks do not exceed the max working pressure

Compressed air & vacuum
(do not use with water)

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Manual flow regulation and screwdriver

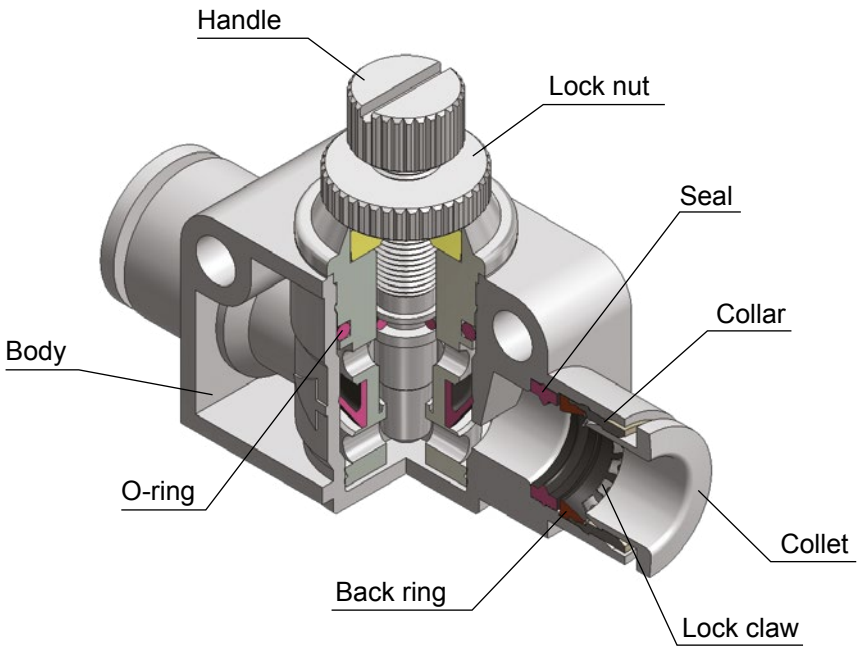
Body: PA66 & Nickel-plated brass
Collet: PA66
Collar: PA66
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

REACH COMPLIANT
Products in compliance with EC Regulation 1907/2006

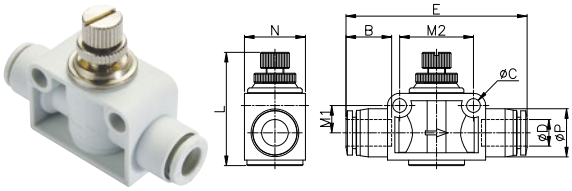
RoHS3
Products in compliance with the directive EU 2015/863

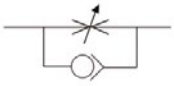
CONSTRUCTION DETAILS



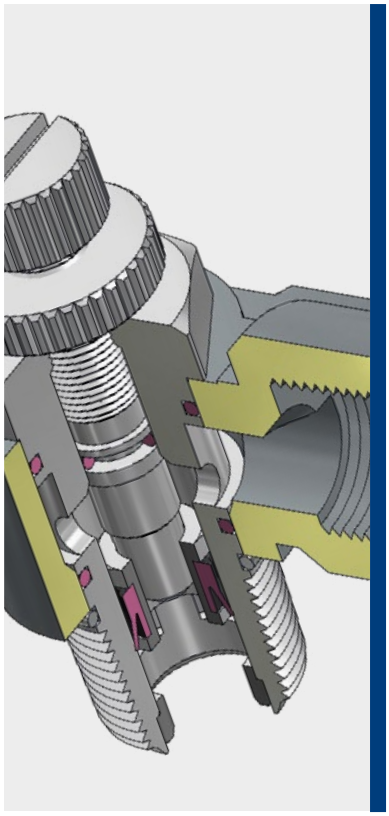
MSF

Unidirectional flat flow regulator, in technopolymer, with handle regulation





CODE	ØD	ØP	L MIN	L MAX	E	N	ØC	B	M1	M2
MSF04	4	9,5	26,4	28,9	38,8	11,0	3,2	13,4	5,4	15,4
MSF06	6	11,5	33,5	37,9	46,5	15,0	4,3	15,0	7,8	20,4
MSF08	8	13,6	35,5	41,5	53,1	18,0	4,3	17,1	8,5	23,0
MSF10	10	16,4	40,7	48,7	60,4	22,5	4,3	18,9	10,6	27,6
MSF12	12	19,5	45,0	53,5	70,8	26,5	4,3	21,4	11,9	32,4



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 99 Kpa)

Compressed air & vacuum
(do not use with water)

Taper gas BSPT ISO 7
from R1/8" to R1/2" with teflon

Manual flow regulation and screwdriver

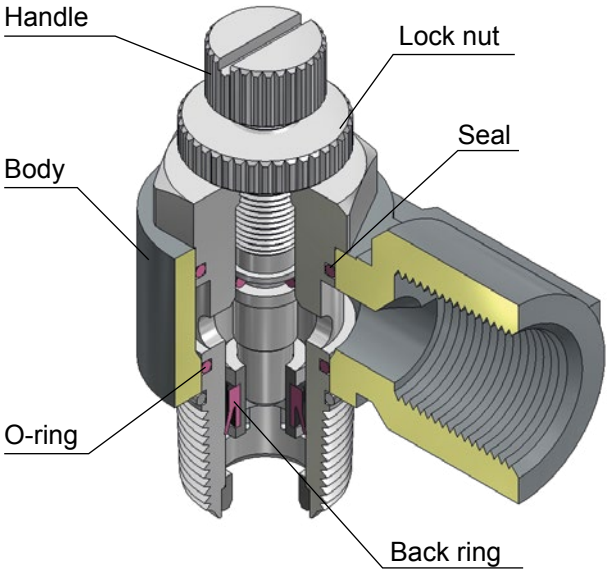
Body: Nickel plated brass & Zinc
Back ring: NBR
Seal: NBR
O-ring: NBR
Handle: Nickel plated brass
Lock nut: Nickel plated brass

SILICONE FREE

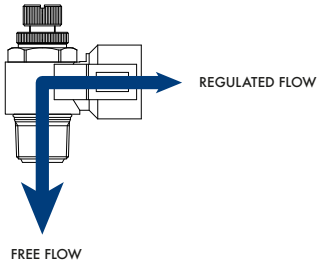
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EXHAUST (FOR CYLINDERS)



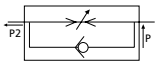
TIGHTENING TORQUE

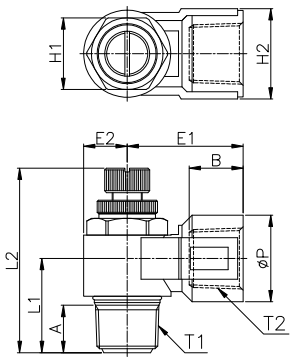
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

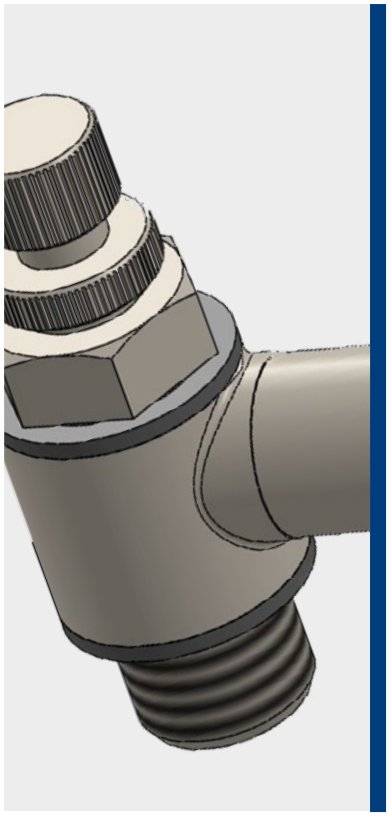
NSCF Unidirectional brass banjo flow regulator, BSPT thread for cylinders, with handle regulation







CODE	T1	T2	ØP	A	B	L1	L2 MIN	L2 MAX	E1	E2	H1	H2	g
NSCF-R01	R 1/8"	RC 1/8"	14.5	7.6	10.0	16.0	35.5	40.7	18.2	7.3	12	15	30.1
NSCF-R02	R 1/4"	RC 1/4"	18.0	10.6	13.0	21.1	40.3	46.6	26.5	9.5	15	19	60.2
NSCF-R03	R 3/8"	RC 3/8"	23.0	12.6	14.5	25.0	46.9	54.9	30.8	11.6	19	24	107.0
NSCF-R04	R 1/2"	RC 1/2"	26.5	14.5	19.0	29.1	54.0	60.1	38.7	14.0	24	28	170.1



-20°C ÷ 70°C

Working pressure:
10 Bar

Compressed air
(lubricated and non-lubricated)

- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- Metric ISO 262
  M5

Polyamide PA,
Polyurethane PU

Manual flow regulation and screwdriver

FLOW
Flow data are indicated in the table

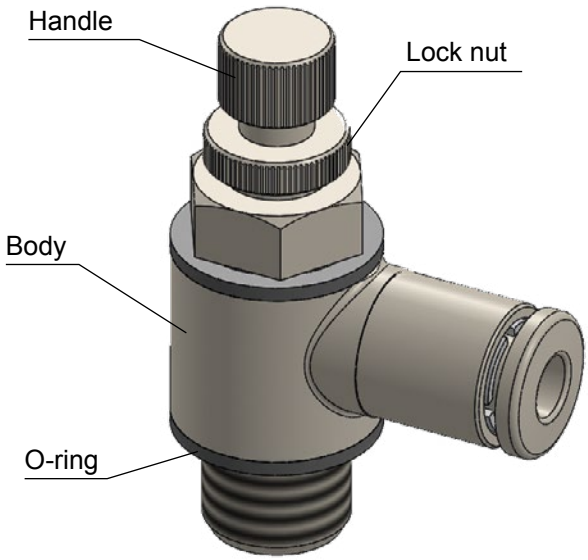
Body: Nickel-plated brass
UNI EN 12164 CW617N
Collet: Nickel-plated brass
UNI EN 12164 CW614N
Lock claw: Stainless steel AISI 316L
Seal: NBR silicone free
O-ring: NBR silicone free
Handle: Nickel-plated brass
UNI EN 12164 CW614N
Lock nut: Nickel-plated brass
UNI EN 12164 CW614N

SILICONE FREE

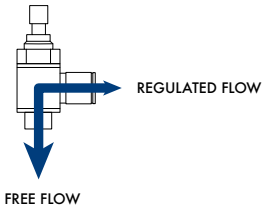
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

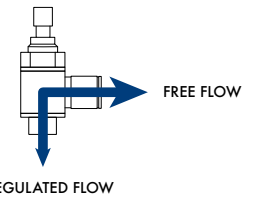
CONSTRUCTION DETAILS



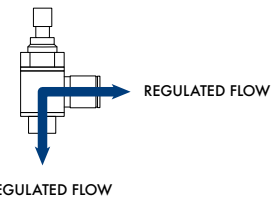
EXHAUST (FOR CYLINDERS)



SUPPLY (FOR VALVES)



BIDIRECTIONAL



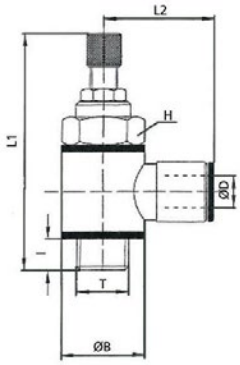
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

THREAD	M5x0,8	1/8"	1/4"	3/8"	1/2"
Nm	0,8	1,2	1,5	2,5	3,5

OTSC-G

Unidirectional swivel flow regulator, male BSPP thread for cylinders, with handle regulation



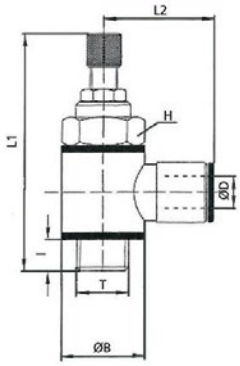


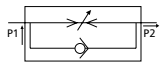
CODE	ØD	T	I	ØB	L1	L2	H	NL/min	g
OTSC04G01	4	G 1/8"	5,5	14	49,0	21,0	14	310	36,0
OTSC06G01	6	G 1/8"	5	14	49,0	23,0	14	390	38,0
OTSC06G02		G 1/4"	6	18	56,5	24,0	17	710	65,0
OTSC08G01	8	G 1/8"	5	14	49,0	24,5	14	390	39,0
OTSC08G02		G 1/4"	6	18	56,5	26,0	17	810	66,0
OTSC10G02	10	G 1/4"	6	18	56,5	27,0	17	810	69,0
OTSC12G02	12	G 1/4"	6	18	56,5	28,0	17	810	70,0

OTSC-G-IN

Unidirectional swivel flow regulator, male BSPP thread for valves, with handle regulation





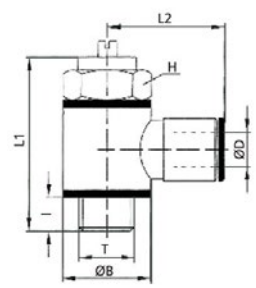


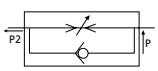
CODE	ØD	T	I	ØB	L1	L2	H	NL/min	g
OTSC04G01IN	4	G 1/8"	5,5	14	49,0	21,0	14	310	36,0
OTSC06G01IN	6	G 1/8"	5	14	49,0	23,0	14	390	38,0
OTSC06G02IN		G 1/4"	6	18	56,5	24,0	17	710	65,0
OTSC08G01IN	8	G 1/8"	5	14	49,0	24,5	14	390	39,0
OTSC08G02IN		G 1/4"	6	18	56,5	26,0	17	810	66,0
OTSC10G02IN	10	G 1/4"	6	18	56,5	27,0	17	810	69,0
OTSC12G02IN	12	G 1/4"	6	18	56,5	28,0	17	810	70,0

OTSC-G-D

Unidirectional swivel flow regulator, male BSPP & metric thread for cylinders, with screwdriver regulation







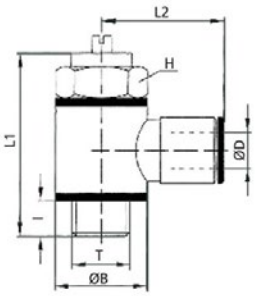
CODE	ØD	T	I	ØB	L1	L2	H	NL/min	g
OTSC04M5D	4	M5x0,8	4	9	25,0	18,0	8	45	14,0
OTSC04G01D		G 1/8"	5	14	32,0	21,0	14	310	31,0
OTSC06M5D	6	M5x0,8	4	9	25,5	21,5	8	45	15,5
OTSC06G01D		G 1/8"	5	14	32,0	23,0	14	390	33,0
OTSC06G02D		G 1/4"	6	18	37,0	24,0	17	710	55,0
OTSC08G01D	8	G 1/8"	5	14	32,0	24,5	14	390	34,0
OTSC08G02D		G 1/4"	6	18	37,0	26,0	17	810	56,0
OTSC08G03D		G 3/8"	6,5	21	46,5	27,0	20	1050	87,0
OTSC10G02D	10	G 1/4"	6	18	37,0	27,0	17	810	58,5
OTSC10G03D		G 3/8"	6,5	21	46,0	28,5	20	1050	88,0
OTSC12G02D	12	G 1/4"	6	18	37,0	28,5	17	810	59,0
OTSC12G03D		G 3/8"	6,5	21	46,0	29,5	20	1050	89,0

drawings and technical data are not binding & can be changed without notice

OTSC-G-D-IN

Unidirectional swivel flow regulator, male BSPP & metric thread for valves, with screwdriver regulation



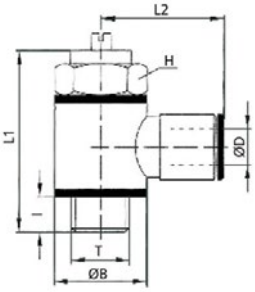


CODE	ØD	T	I	ØB	L1	L2	H	NL/min	g
OTSC04M5DIN	4	M5x0,8	4	9	25,5	20,0	8	45	14
OTSC04G01DIN		G 1/8"	5	14	32,0	21,0	14	310	31
OTSC06M5DIN	6	M5x0,8	4	9	25,5	21,5	8	45	15,5
OTSC06G01DIN		G 1/8"	5	14	32,0	23,0	14	390	33
OTSC06G02DIN		G1/4"	6	18	37,0	34,0	17	710	55
OTSC08G01DIN	8	G 1/8"	5	14	32,0	24,5	14	390	34
OTSC08G02DIN		G 1/4"	6	18	37,0	26,0	17	810	56
OTSC08G03DIN		G 3/8"	6,5	21	46,0	27,5	20	1050	87
OTSC10G02DIN	10	G 1/4"	6	18	37,0	27,0	17	810	58,5
OTSC10G03DIN		G 3/8"	6,5	21	46,0	28,5	20	1050	88
OTSC12G02DIN	12	G 1/4"	6	18	37,0	38,5	17	810	59
OTSC12G03DIN		G 3/8"	6,5	21	46,0	29,5	20	1050	89

OTSC-G-D-B

Bidirectional flow regulator, male BSPP & metric thread, with screwdriver regulation



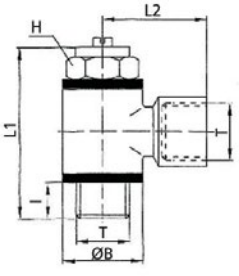


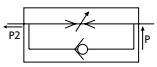
CODE	ØD	T	I	ØB	L1	L2	H	NL/min	g
OTSC04M5DB	4	M5x0,8	4	9	25,5	20,0	8	45	14,0
OTSC04G01DB		G 1/8"	5	14	32,0	21,0	14	310	31,0
OTSC06M5DB	6	M5x0,8	4	9	24,5	21,5	8	45	15,5
OTSC06G01DB		G 1/8"	5	14	32,0	23,0	14	390	33,0
OTSC06G02DB		G 1/4"	6	18	37,0	24,0	17	710	55,0
OTSC08G01DB	8	G 1/8"	5	14	32,0	24,5	14	390	34,0
OTSC08G02DB		G 1/4"	6	18	37,0	26,0	17	810	56,0
OTSC08G03DB		G 3/8"	6,5	21	46,5	27,0	20	1050	87,0
OTSC10G02DB	10	G 1/4"	6	18	37,0	27,0	17	810	58,5

OTSC-G-DF

Unidirectional swivel flow regulator, M/F BSPP & metric thread for cylinders, with screwdriver regulation





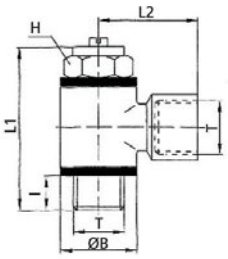


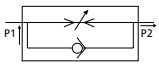
CODE	T	I	ØB	L1	L2	H	NL/min	g
OTSCM5DF	M5x0,8	4	9	25,0	11,5	8	45	10,0
OTSCG01DF	G 1/8"	5	14	32,0	21,0	14	310	34,0
OTSCG02DF	G 1/4"	6	18	37,0	25,5	17	450	64,0
OTSCG03DF	G 3/8"	7	21	46,0	26,0	20	1040	88,0
OTSCG04DF	G 1/2"	10	26	52,5	32,0	26	2200	187,0

OTSC-G-DF-IN

Unidirectional swivel flow regulator, M/F BSPP & metric thread for valves, with screwdriver regulation





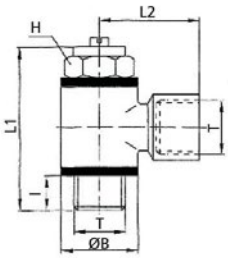


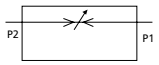
CODE	T	I	ØB	L1	L2	H	NL/min	g
OTSCM5DFIN	M5x0,8	4	9	25,0	11,5	8	45	10
OTSCG01DFIN	G 1/8"	5	14	32,0	21,0	14	310	34
OTSCG02DFIN	G 1/4"	6	18	37,0	25,5	14	450	64
OTSCG03DFIN	G 3/8"	7	21	46,0	26,0	20	1040	88
OTSCG04DFIN	G 1/2"	10	26	52,5	32,0	26	2200	187

OTSC-G-DF-B

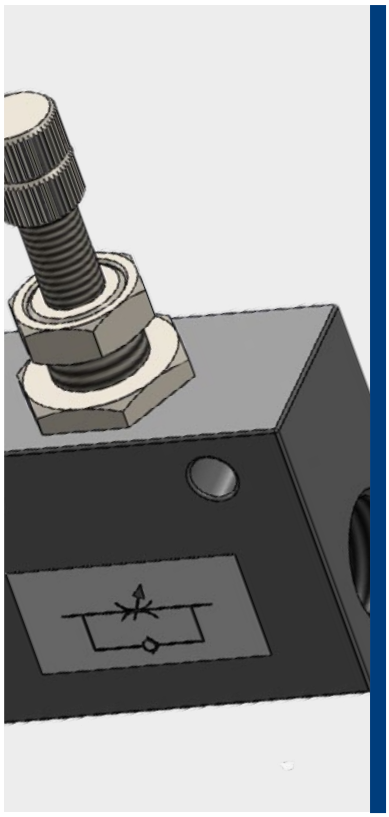
Bidirectional swivel flow regulator, M/F BSPP & metric thread, with screwdriver regulation







CODE	T	I	ØB	L1	L2	H	NL/min	g
OTSCM5DFB	M5x0,8	4	9	25,0	11,5	8	45	10,0
OTSCG01DFB	G 1/8"	5	14	32,0	21,0	14	310	34,0
OTSCG02DFB	G 1/4"	6	18	37,0	25,5	17	450	64,0
OTSCG03DFB	G 3/8"	7	21	46,0	26,0	20	1040	88,0
OTSCG04DFB	G 1/2"	10	26	52,5	32,0	26	2200	187,0



0°C ÷ 65°C

ASF-U working pressure:
from 0,025 to 10 Bar
ASF-B working pressure:
from 0 to 10 Bar

Compressed air

Parallel gas BSPP ISO 228
from G1/8" to G1/2"

Manual flow regulation

Body: Aluminium 11S black anodized
Seal: NBR
Handle: Nickel-plated brass
Regulation screw: Nicke-plated brass

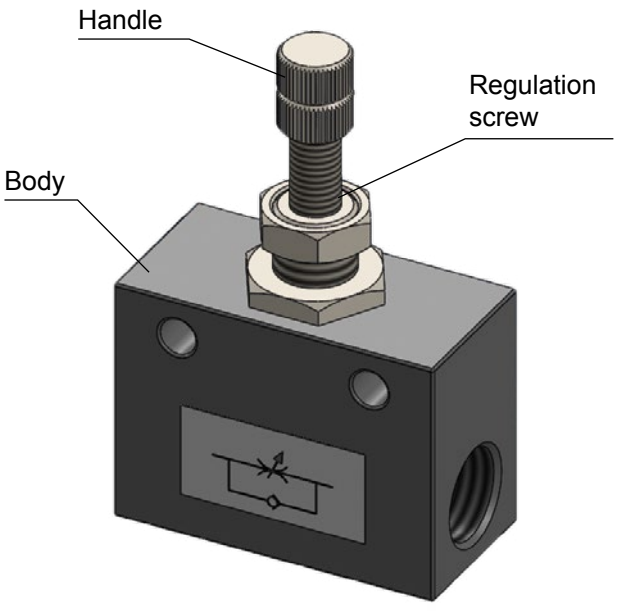
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

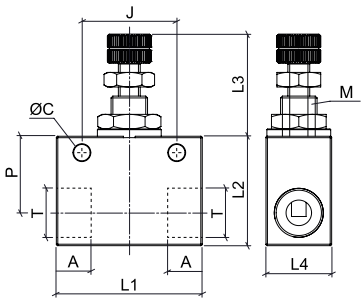
CONSTRUCTION DETAILS



ASF-U

Unidirectional flat flow regulator, bulkhead, female BSPP thread with manual regulation



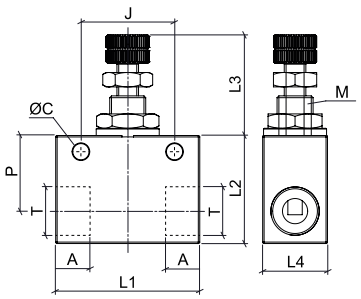


CODE	T	M	L1	L2	L3 MIN	L3 MAX	L4	A	P	ØC	J	g
ASF-U01N	G 1/8"	10x1	35,0	22,0	24,0	29,0	15,0	8,0	15,0	4,5	24	52,0
ASF-U02N	G 1/4"	10x1	40,0	30,0	26,0	33,0	20,0	9,5	21,0	4,5	24	90,0
ASF-U03N	G 3/8"	15x1	45,0	35,0	34,0	43,0	25,0	10,5	25,0	6,5	30	206,0
ASF-U04N	G 1/2"	15x1	57,0	40,0	34,0	43,0	30,0	12,0	26,0	6,5	30	217,0

ASF-B

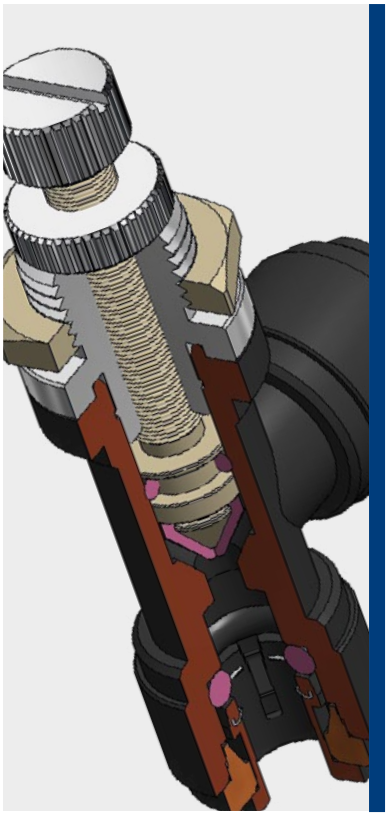
Bidirectional flat flow regulator, bulkhead, female BSPP thread, with manual regulation





CODE	T	M	L1	L2	L3 MIN	L3 MAX	L4	A	P	ØC	J	g
ASF-B01N	G 1/8"	10x1	35,0	22,0	24,0	29,0	15,0	8,0	20,0	4,5	24	52,0
ASF-B02N	G 1/4"	10x1	40,0	30,0	26,0	33,0	20,0	9,5	21,0	4,5	24	90,0
ASF-B03N	G 3/8"	15x1	45,0	35,0	34,0	43,0	25,0	10,5	25,0	6,5	30	206,0
ASF-B04N	G 1/2"	15x1	57,0	40,0	34,0	43,0	30,0	12,0	26,0	6,5	30	217,0

drawings and technical data are not binding & can be changed without notice



Dry air: -20°C ÷ 90°C
Air & Fluids: 1°C ÷ 90°C
The maximum recommended working temperature for continuous use is 65°C and 90°C for a maximum use of 5 minutes.

Working pressure:
Up to 10 Bar
From 0 to 8 Bar with dry air
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Data depend from the tubes and temperature

Potable water, beverages, vacuum, compressed air, gases and fluids compatible with construction materials

Polyethylene PE, polyamide PA, PTFE, FEP
Tubes made of light metals: Brass, copper and mild steel
Tubes made of hard materials: See page 84 for information on the use of hard material tubes

Manual flow regulation and screwdriver

Body: POM
Collet: POM
Lock claw: Acciaio inox AISI 301
Seal: EPDM suitable for food contact
Nut & Locking nut: Nickel-plated brass
Handle: Nickel-plated brass
Regulation screw: Stainless steel AISI 304

Food contact materials EC 1935/2004

D.M. 174/2004

WRAS certified product materials in contact with drinking water

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS

NSF51
NSF61

W270 DVGW - W270

KTW KTW guidelines for cold water 23°C

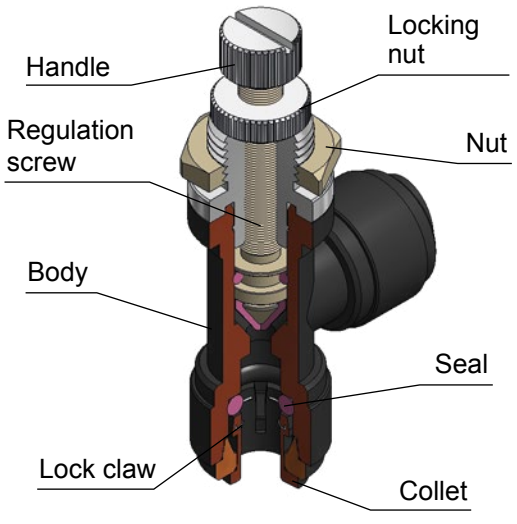
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

INSERTION - METRIC TUBE

Ø TUBE (mm)	6	10
TUBE INSERTION LENGTH (mm)	15,5	20,1

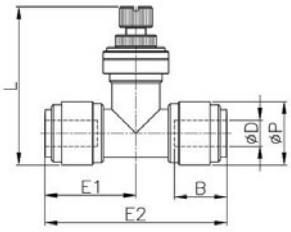
CONSTRUCTION DETAILS



HSTU

Bidirectional flow regulator in line, with manual regulation



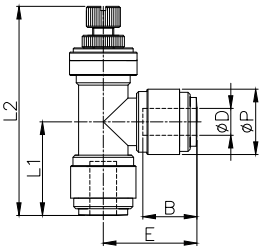


CODE	ØD	ØP	E1	E2	L MIN	L MAX	B	g
HSTU0606B	6	15,5	22,2	44,4	37,7	42,7	16,1	20,6
HSTU1010B	10	20	26,1	52,1	44,0	49,7	19,7	39,4

HSLU

Bidirectional elbow flow regulator, with manual regulation



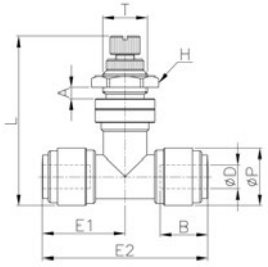


CODE	ØD	ØP	L1	L2 MIN	L2 MAX	E	B	g
HSLU0606B	6	15,5	22,2	49,6	53,6	22,2	16,1	20,3
HSLU1010B	10	20	25,0	59,0	64,7	26,0	19,7	39,0

HSTB

Bidirectional flow regulator, bulkhead, with manual regulation



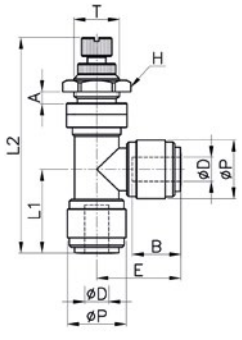


CODE	ØD	ØP	T	E1	E2	L MIN	L MAX	A	B	H	g
HSTB0606B	6	15,5	M12xP1	22,2	44,4	45,5	50,4	5,0	16,1	16	28,9
HSTB1010B	10	20	M15xP1	26,1	52,1	52,7	58,4	6,0	19,7	19	54,0

HSLB

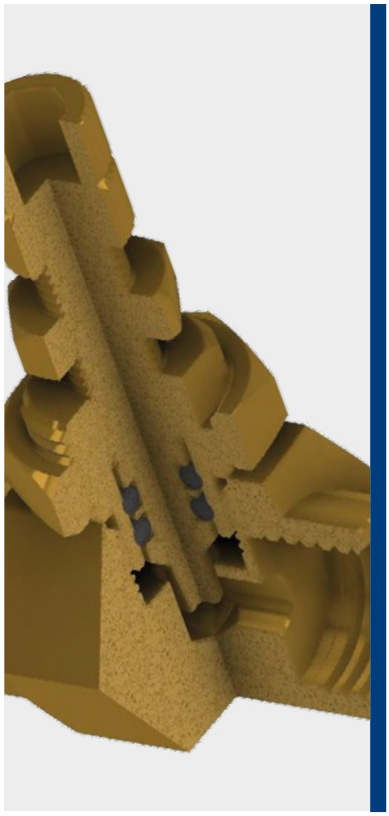
Bidirectional elbow flow regulator, bulkhead, with manual regulation





CODE	ØD	ØP	T	L1	L2 MIN	L2 MAX	E	A	B	H	g
HSLB0606B	6	15,5	M12x1,0	22,2	57,1	61,3	22,2	5,0	16,1	16	28,7
HSLB1010B	10	20	M15x1,0	25,0	67,7	73,4	26,0	6,0	19,7	19	54,0

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 150°C

Working pressure:
10 Bar

Compressed air, potable water and fluids suitable with construction materials

Parallel gas BSPP ISO 228 G1/4"

Manual flow regulation

Body: Yellow brass CW510L NSF/ANSI 372 compliant
Regulation screw: Yellow brass CW510L NSF/ANSI 372 compliant
O-ring: FKM Perox FDA compliant
Handle: Yellow brass CW510L NSF/ANSI 372 compliant

Materials in compliance for food contact - EC 1935/2004 and D.M.174/2004

NSF/ANSI 169

SILICONE FREE

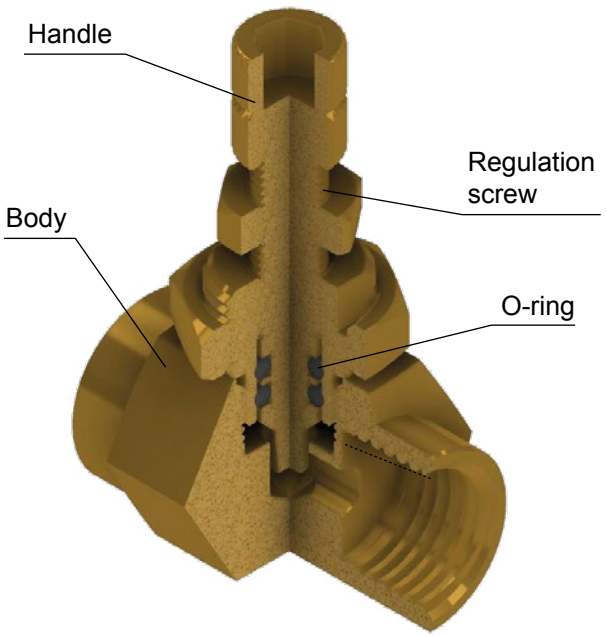
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

LEAD FREE

Complies with the lead content requirements for "LEAD FREE" plumbing (U.S. Safe Drinking Water Act).

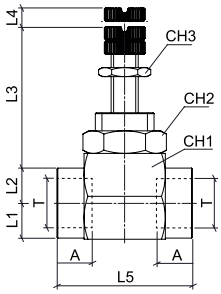
CONSTRUCTION DETAILS



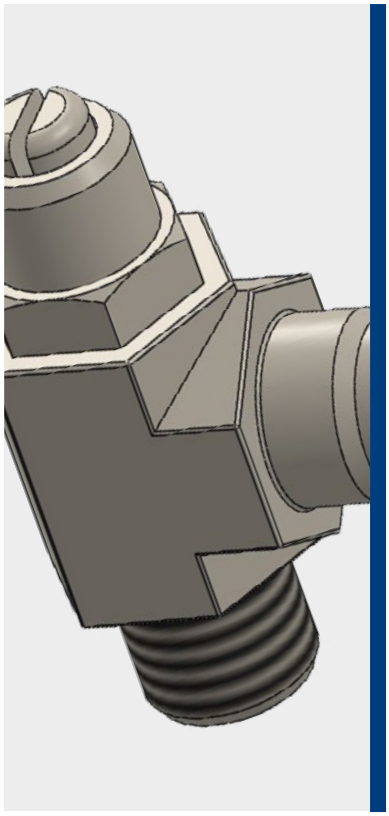
LFSF-B

Bidirectional flow regulator, bulkhead, F/F BSPP thread, with manual regulation





CODE	T	L1	L2	L3	L4	L5	A	CH1	CH2	CH3
LFSF-B02	G 1/4"	8,0	10,5	22,5	5,0	30,0	9,5	19	16	10



-20°C ÷ 120°C

Working pressure:
Up to 10 Bar

Compressed air and fluids suitable with construction materials

Parallel gas BSPP ISO 228 from G1/8" to G1/2" with O-ring

Polyethylene PE, Polyamide PA, PTFE, FEP

Screwdriver flow regulation

Body: Stainless steel AISI 316
Lock claw: Stainless steel AISI 316
Seal: Viton
O-ring: Viton

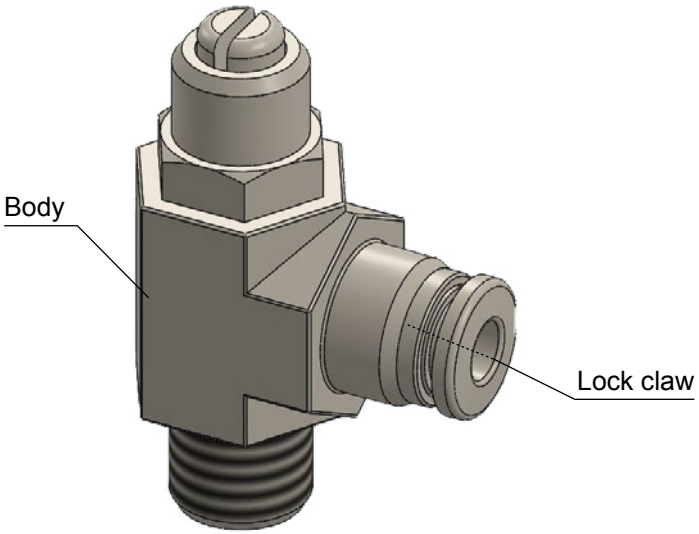
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

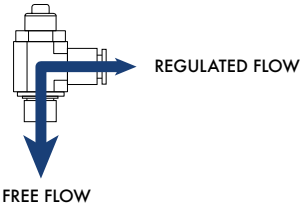
RoHS3

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



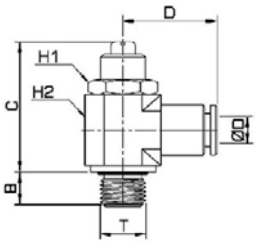
EXHAUST (FOR CYLINDERS)

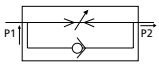


SXSC-D

Unidirectional banjo flow regulator, BSPP thread for cylinders, with screwdriver regulation





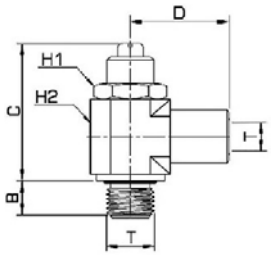


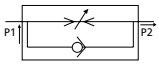
CODE	ØD	T	B	C	D	E	H1	H2	g
SXSC06G01-D	6	G 1/8"	6	36	24	8	14,3	14,3	44
SXSC06G02-D		G 1/4"	8	42	27	12	17,4	19	84
SXSC08G01-D	8	G 1/8"	6	36	24	8	14,3	16	46
SXSC08G02-D		G 1/4"	8	42	27	12	17,4	19	80
SXSC10G02-D	10	G 1/4"	8	42	27	12	17,4	19	83

SXSC-DF

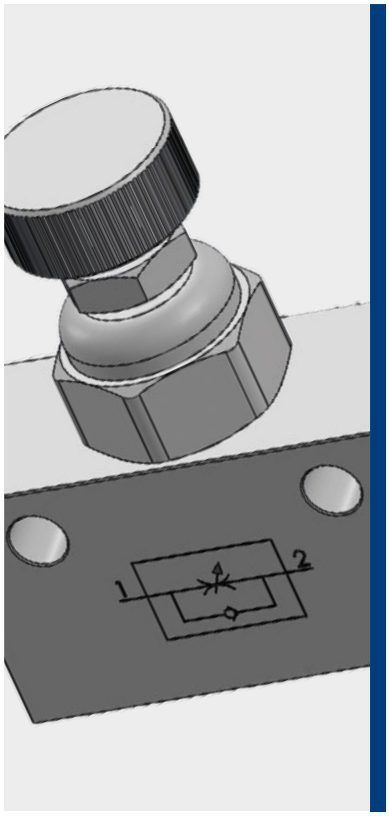
Unidirectional banjo flow regulator, M/F BSPP thread for cylinders, with screwdriver regulation







CODE	T	B	C	D	E	H1	H2	g
SXSC01-DF	G 1/8"	6	36	20	8	14,3	14,3	42
SXSC02-DF	G 1/4"	8	42	25	12	17,4	19	87
SXSC03-DF	G 3/8"	8	49	28	12	20,6	22	141
SXSC04-DF	G 1/2"	10	60	31	15	24,0	27	213



-10°C ÷ 120°C
for unidirectional flow regulators
-25°C ÷ 120°C
for bidirectional flow regulators

Working pressure for unidirectional flow regulators:
From 1 to 16 Bar
Working pressure for bidirectional flow regulators:
From 0 to 40 Bar

Air only for unidirectional regulator.
Air and fluids suitable with the bidirectional regulator materials

- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"
- NPT
  from N1/4" to N1/2"

Manual flow regulation

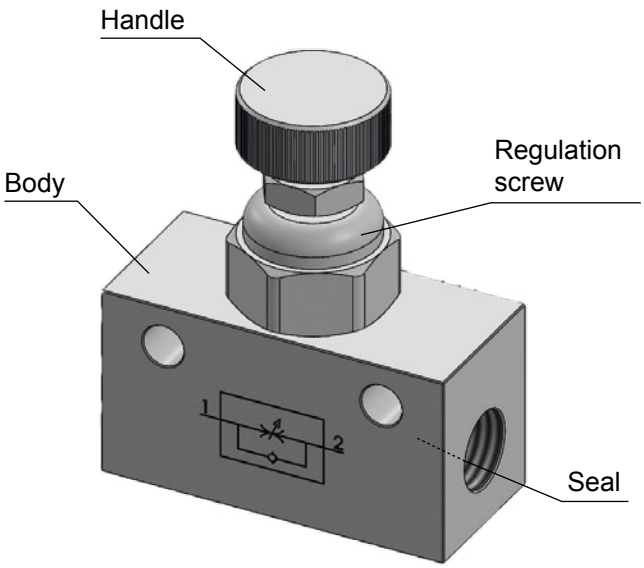
Body: Stainless steel AISI 316
Handle: Stainless steel AISI 316
Regulation screw: Stainless steel AISI 316
Seal: Viton

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

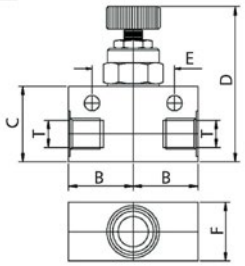
CONSTRUCTION DETAILS



XSFC-U

Unidirectional flat flow regulator, female BSPP thread, with manual regulation



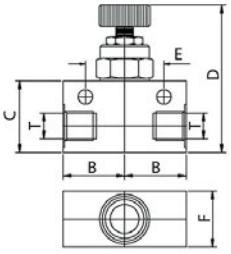


CODE	T	B	C	D	E	F	g
XSFC-U01	G 1/8"	16,0	22,0	47,0	22,0	16,0	250
XSFC-U02	G 1/4"	27,5	32,0	56,0	31,8	25,0	350
XSFC-U03	G 3/8"	27,5	32,0	56,0	31,8	25,0	485
XSFC-U04	G 1/2"	32,0	38,0	62,0	35,0	28,0	625

XSFC-U-N

Unidirectional flat flow regulator, female NPT thread, with manual regulation



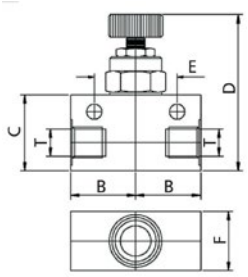


CODE	T	B	C	D	E	F	g
XSFC-U-N02	N 1/4"	27,5	32,0	56,0	31,8	25,0	350
XSFC-U-N04	N 1/2"	32,0	38,0	62,0	35,0	28,0	625

XSFC-B

Bidirectional flat flow regulator, female BSPP thread, with manual regulation



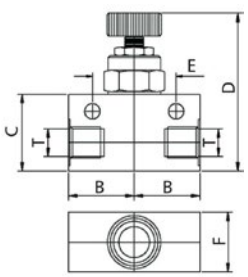


CODE	T	B	C	D	E	F	g
XSFC-B01	G 1/8"	16,0	22,0	47,0	22,0	16,0	250
XSFC-B02	G 1/4"	27,5	32,0	56,0	31,8	25,0	350
XSFC-B03	G 3/8"	27,5	32,0	56,0	31,8	25,0	485
XSFC-B04	G 1/2"	32,0	38,0	62,0	35,0	28,0	625

XSFC-B-N

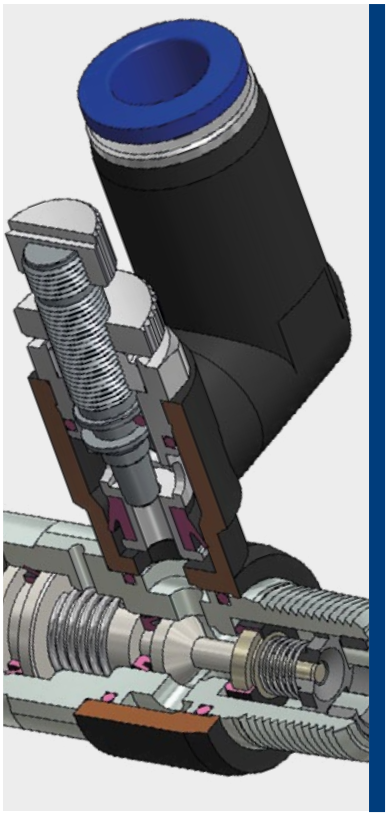
Bidirectional flat flow controller, female NPT thread, with manual regulation





CODE	T	B	C	D	E	F	g
XSFC-B-N02	N 1/4"	27,5	32,0	56,0	31,8	25,0	350
XSFC-B-N04	N 1/2"	32,0	38,0	62,0	35,0	28,0	625

drawings and technical data are not binding & can be changed without notice



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Min. pilot pressure:
More than 50% of the working pressure (more than 1 Bar)

Compressed air & vacuum (do not use with water)

- Taper gas BSPT ISO 7 from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"

Polyamide PA, Polyurethane PU

Manual flow regulation

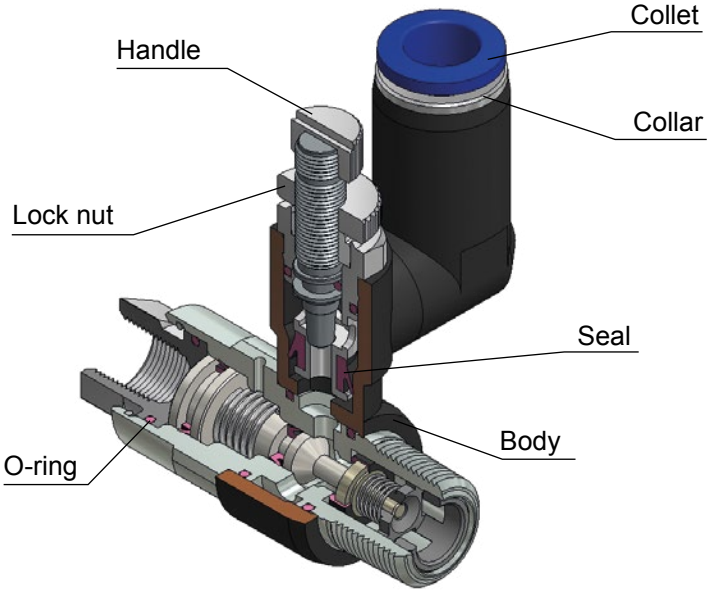
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Lock nut: Nickel-plated brass

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

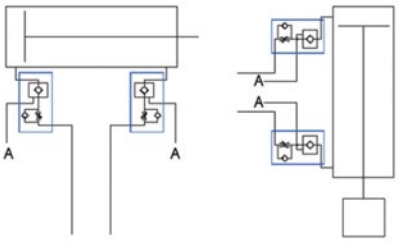
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



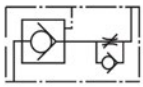
APPLICATIONS EXAMPLES

Application examples for temporary stops and emergency stops.



Assembly in pairs on cylinders that ensure the stem block in case of absence of air and at the same time the flow regulation.

Offer possibility to obtain intermited positions even with applied loads



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

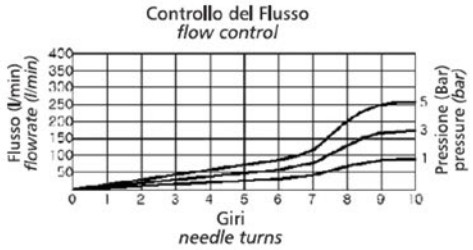
THREAD	1/8"	1/4"	3/8"	1/2"
Nm	10	15	25	40

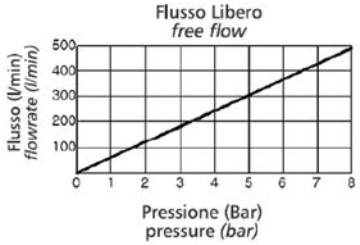
FEATURES

Double functions flow regulators have an integrated unidirectional valve for pneumatic block.

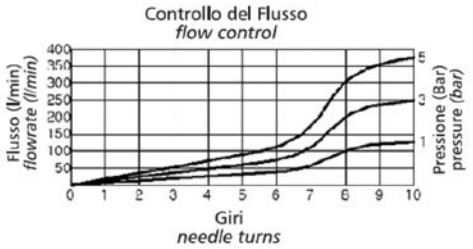
FLOW CHARTS

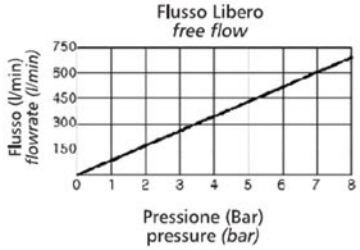
PVSC 06-01
PVSC 08-01



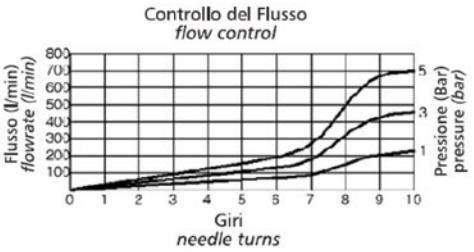


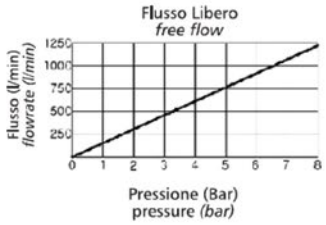
PVSC 06-02
PVSC 08-02



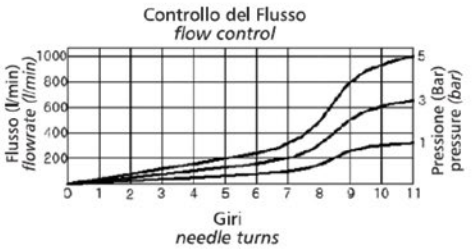


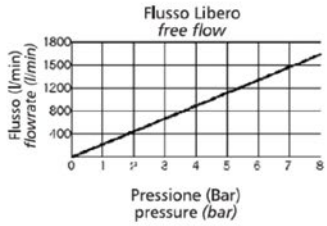
PVSC 08-03
PVSC 10-03
PVSC 12-03





PVSC 10-04
PVSC 12-04

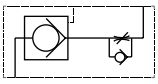


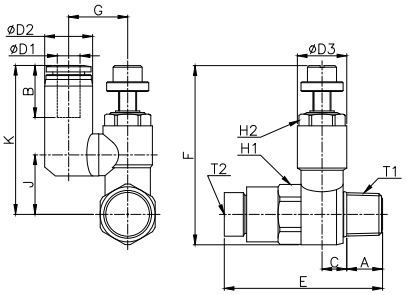


PVSC-R

Flow regulator with pilot check valve, BSPT thread, with manual regulation





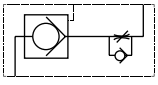


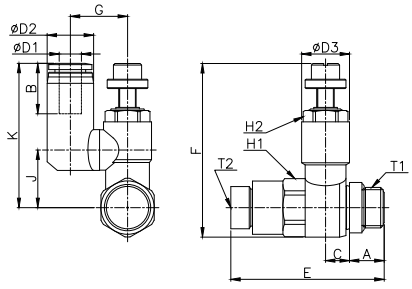
CODE	ØD	T1	T2	A	B	ØD1	ØD2	ØD3	C	E	F MIN	F MAX	G	J	K	H1	H2	g
PVSC06R01	6	R 1/8"	M5x0,8	8,0	17,0	6,0	12,6	12,1	8,0	35,4	43,6	48,4	16,1	14,9	38,9	12	10	30,4
PVSC06R02		R 1/4"	R 1/8"	10,5	17,0	6,0	12,6	15,4	7,6	42,0	55,4	60,4	19,4	18,4	44,3	17	13	63,5
PVSC08R01	8	R 1/8"	M5x0,8	8,0	19,1	8,0	14,9	12,1	8,0	35,4	43,6	48,4	17,3	14,9	39,8	12	10	33,6
PVSC08R02		R 1/4"	R 1/8"	10,5	19,1	8,0	14,9	15,4	7,6	42,0	55,4	60,4	18,4	18,4	46,7	17	13	66,3
PVSC08R03		R 3/8"	R 1/8"	11,4	19,1	8,0	15,1	20,3	9,6	49,7	58,4	63,4	23,4	21,4	50,7	19	17	101,3
PVSC10R02	10	R 1/4"	R 1/8"	10,5	20,2	10,0	17,6	15,4	7,6	42,0	55,4	60,4	19,2	18,4	49,1	17	13	70,2
PVSC10R03		R 3/8"	R 1/8"	11,4	20,2	10,0	17,6	20,3	9,6	49,7	58,4	63,4	23,4	21,4	53,0	19	17	105,2
PVSC10R04		R 1/2"	R 1/4"	14,4	20,2	10,0	17,6	27,3	12,8	59,8	72,0	78,0	26,4	31,3	64,4	24	23	203,3
PVSC12R03	12	R 3/8"	R 1/8"	11,4	22,7	12,0	20,6	20,3	9,6	49,7	58,4	63,4	23,4	21,4	54,8	19	17	110,0
PVSC12R04		R 1/2"	R 1/4"	14,4	22,7	12,0	20,6	27,3	12,8	59,8	72,0	78,0	26,4	31,3	67,2	24	23	235,0

PVSC-G

Flow regulator with pilot check valve, BSPP thread, with manual regulation







CODE	ØD	T1	T2	A	B	ØD1	ØD2	ØD3	C	E	F MIN	F MAX	G	J	K	H1	H2	g
PVSC06G01	6	G 1/8"	M5x0,8	5,0	17,0	6,0	12,6	12,1	11,0	35,4	43,6	48,4	16,1	14,9	38,9	12	10	38,9
PVSC06G02		G 1/4"	G 1/8"	6,5	17,0	6,0	12,6	15,4	11,6	42,0	55,4	60,4	19,4	18,4	44,3	17	13	75,7
PVSC08G01	8	G 1/8"	M5x0,8	5,0	19,1	8,0	14,9	12,1	11,0	35,4	43,6	48,4	17,3	14,9	39,8	12	10	40,7
PVSC08G02		G 1/4"	G 1/8"	6,5	19,1	8,0	14,9	15,4	11,6	42,0	55,4	60,4	18,4	18,4	46,7	17	13	77,6
PVSC08G03		G 3/8"	G 1/8"	7,0	19,1	8,0	15,1	20,3	14,0	49,7	58,4	63,4	23,4	21,4	50,7	19	17	129,3
PVSC10G02	10	G 1/4"	G 1/8"	6,5	20,2	10,0	17,6	15,4	11,6	42,0	55,4	60,4	19,2	18,4	49,1	17	13	70,2
PVSC10G03		G 3/8"	G 1/8"	7,0	20,2	10,0	17,6	20,3	14,0	49,7	58,4	63,4	23,4	21,4	53,0	19	17	131,2
PVSC10G04		G 1/2"	G 1/4"	8,5	20,2	10,0	17,6	27,3	18,7	59,8	72,0	78,0	26,4	31,3	64,4	24	23	240,6
PVSC12G03	12	G 3/8"	G 1/8"	7,0	22,7	12,0	20,6	20,3	14,0	49,7	58,4	63,4	23,4	21,4	54,8	19	17	135,0
PVSC12G04		G 1/2"	G 1/4"	8,5	22,7	12,0	20,6	27,3	18,7	59,8	72,0	78,0	26,4	31,3	67,2	24	23	244,6

TierreGroup®

Always a fittings solution



FOLLOW US!

FUNCTION FITTINGS EXHAUST VALVES

PLUS

WIDE RANGES OF MATERIALS AND MODELS DESIGNED FOR DIFFERENT USES IN AUTOMOTION

OPTIMISED EXHAUST SYSTEM

FLAME RESISTANT (MEV&ESC SERIES)

TECNOPOLYMER VERSION ARE DUAL-PURPOSE, WITH FLOW REGULATOR AND INTEGRATED SILENCER (ESC-R & ESC-G)

EXHAUST VALVES / M SERIES



p. 358 / **MEVU**



p. 358 / **MEVS**

EXHAUST VALVES WITH FLOW REGULATOR / TECHNOPOLYMER



p. 360 / **ESC-M**



p. 362 / **ESC-R**



p. 362 / **ESC-G**

EXHAUST VALVES / BRASS



p. 364 / **1100**



p. 364 / **1100-N**

p. 364 / **1101**



p. 364 / **1102**

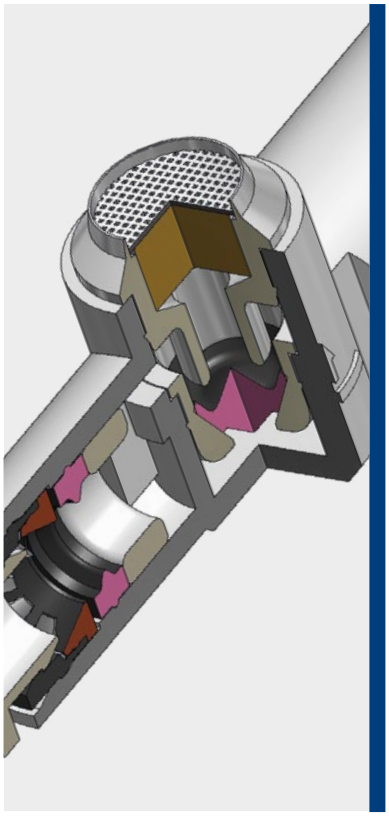
EXHAUST VALVES / STAINLESS STEEL AISI 316



p. 366 / **1400**



p. 366 / **1400N**



-5°C ÷ 60°C

Working pressure:
10 Bar
Min. working pressure:
1 Bar

Pressure peaks do not exceed the max working pressure

Compressed air

Polyamide PA,
polyurethane PU,
polyethylene PE

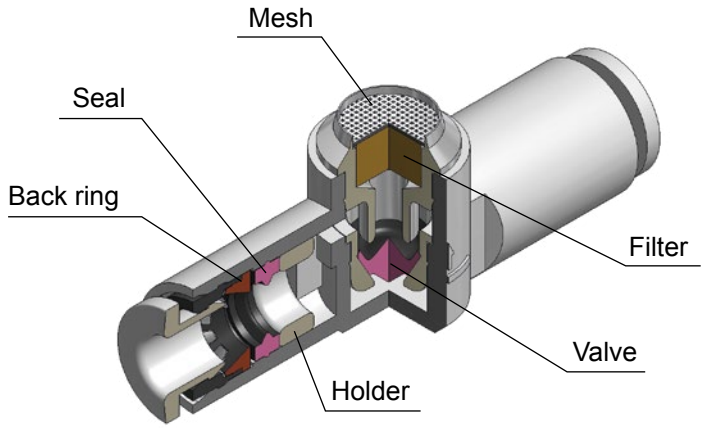
Body: PA66
Mesh: Stainless steel AISI 301
Back ring: PA66
Seal: NBR
Lock claw: Stainless steel AISI 301
Collar: PA66
Seat ring: Brass
Holder: POM
Collet: PA66
Filter: PE
Housing: Brass
Valve: NBR

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

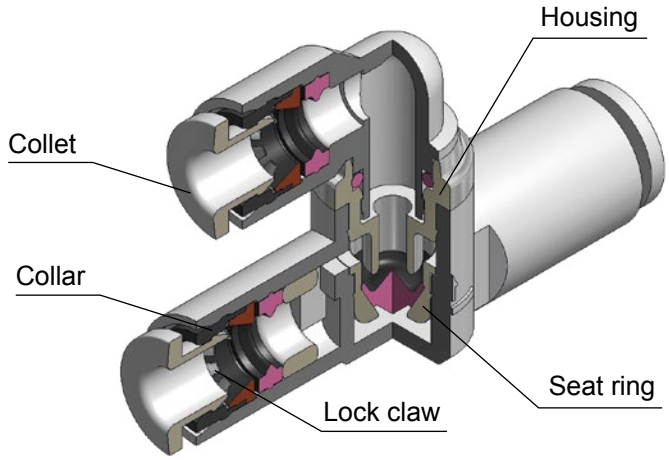


PLUS - MEVU

Silenced exhaust to the atmosphere through the incorporated silencer.

Easy assembly thanks to push-in fittings incorporated.

Suitable for multiple applications thanks to light weight and compact size.



PLUS - MEVS

Connection exhaust to be conveyed.

Easy assembly thanks to push-in fittings incorporated.

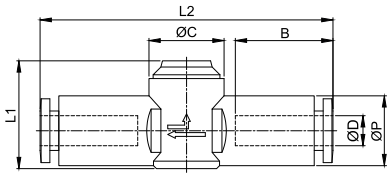
Suitable for multiple applications thanks to the light weight and compact size.

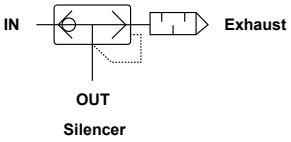
drawings and technical data are not binding & can be changed without notice

MEVU

Quick exhaust valve with silencer







CODE	ØD	ØP	ØC	B	L1	L2	g
MEVU04W	4	9,3	10	13,0	14,4	39,0	4,5
MEVU06W	6	11,5	10	14,5	15,9	41,7	5,5

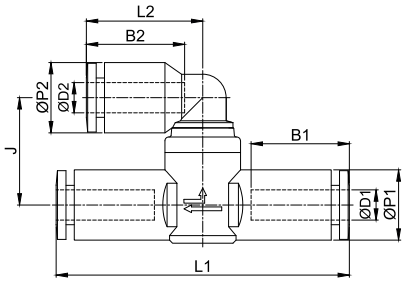
Section in mm²

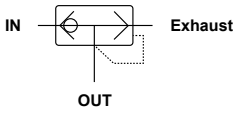
CODE	Ø TUBE (mm)	IN - OUT	OUT - EXHAUST
MEVU04W	4	1,7	2,5
MEVU06W	6	2,4	2,7

MEVS

Quick exhaust valve with push-in fittings



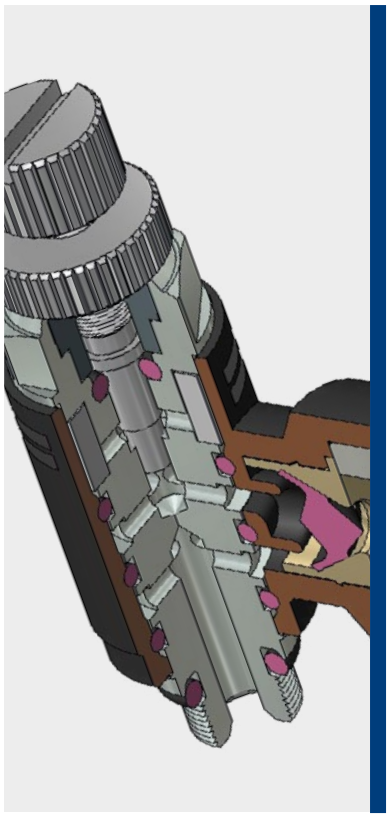




CODE	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	J	g
MEVS04W	4	4	13,0	13,0	9,3	9,3	39,0	15,4	14,2	5,9
MEVS06W	6	6	14,5	14,5	11,5	11,5	41,7	17,3	15,6	7,5

Section in mm²

CODE	Ø TUBE (mm)	IN - OUT	OUT - EXHAUST
MEVS04W	4	1,7	2,5
MEVS06W	6	2,4	2,7



0°C ÷ 60°C

Working pressure:
10 Bar

Compressed air
(do not use with water)

Metric ISO 262
M3 and M5

Polyamide PA, Polyurethane PU

Manual flow regulation

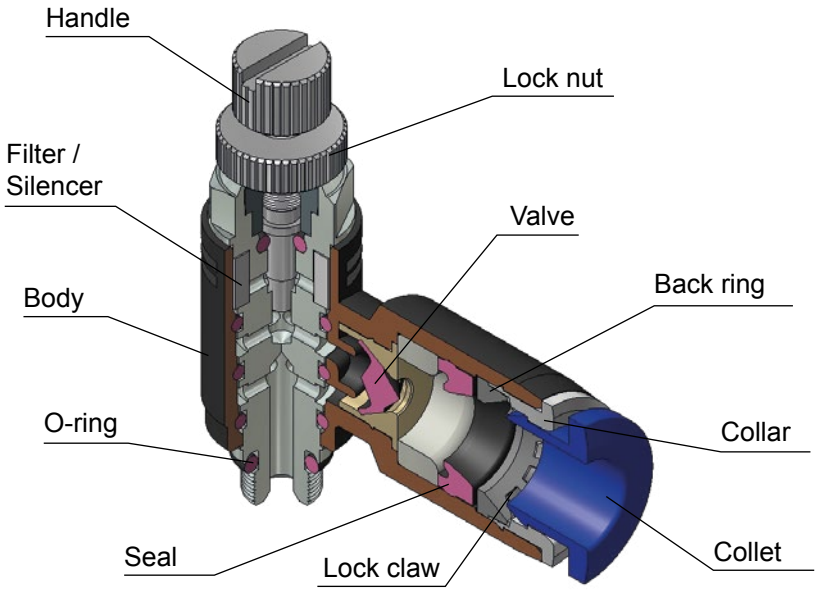
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Brass
Lock nut: Brass
Valve: HNBR
Filter/Silencer: PE

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



PLUS

Quick exhaust valve with flow regulator.

High-speed cylinder operation.

Complete with silencer and flow regulator.

Combines three pneumatic functions in one compact body (quick exhaust, flow regulator and silencer).

Flame resistant (UL 94 V-0).

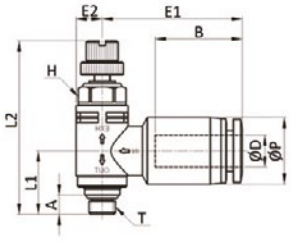
TIGHTENING TORQUE
METRIC ISO 262

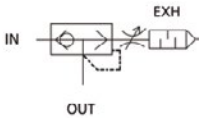
THREAD	M3x0,5	M5x0,8
Nm	1,5	1,5

ESC-M

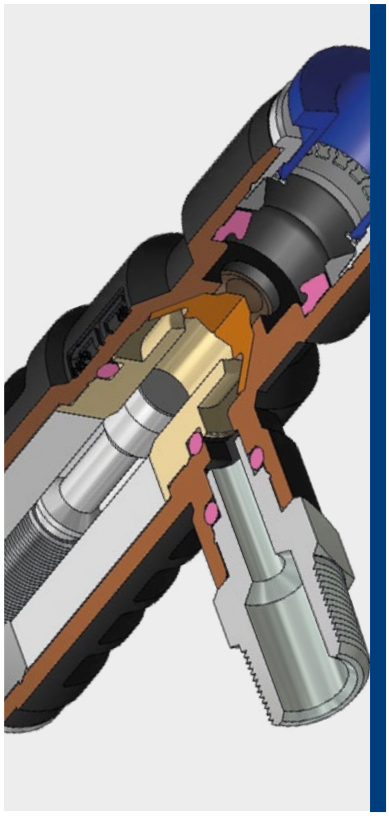
Quick exhaust valve, metric thread, with manual flow regulation







CODE	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	g
ESC04M3	4	10,3	M3x0,5	11,9	32,2	34,7	25,8	4,9	3,0	14,8	8	11,4
ESC04M5		10,3	M5x0,8	11,9	32,2	34,7	25,8	4,9	3,6	14,8	8	11,3
ESC06M5	6	12,5	M5x0,8	11,9	32,2	34,7	26,4	4,9	3,6	16,5	8	12,3



0°C ÷ 60°C

Working pressure:
10 Bar

Compressed
(do not use with water)

Manual flow regulation

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2"

Polyamide PA, Polyurethane PU

PLUS

Quick exhaust valve with flow regulator.
High-speed cylinder operation.
Complete with silencer and flow regulator.
Flame resistant (UL 94 V-0).

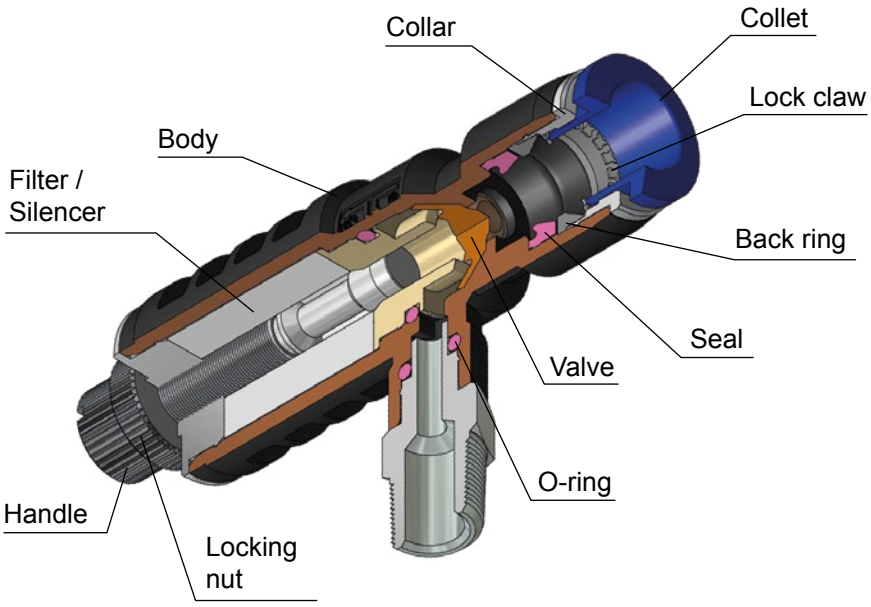
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
O-ring: NBR
Handle: Nickel-plated brass
Locking nut: Nickel-plated brass
Valve: Polyurethane
Filter/Silencer: PE

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

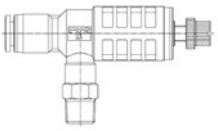
RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

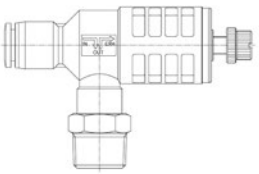


SIZES ESC-R - ESC-G

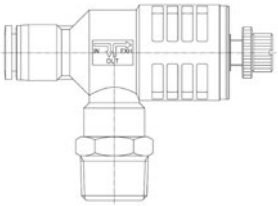
S
small



M
medium



L
large



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

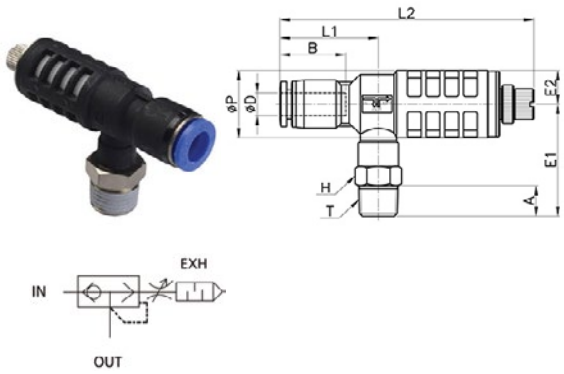
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	10	15	25	40

drawings and technical data are not binding & can be changed without notice

ESC-R

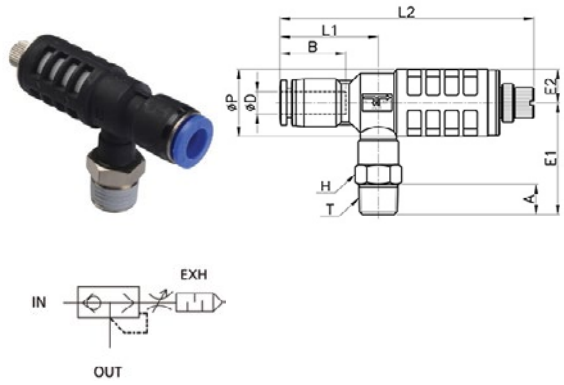
Quick exhaust valve, BSPT thread, with manual flow regulator



CODE	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	g
ESC06R01-S	6	12,5	R 1/8"	24,5	63,3	72,0	29,3	8,8	8,0	16,5	10	21,5
ESC06R02-S		12,5	R 1/4"	24,5	63,3	72,0	31,3	8,8	10,0	16,5	14	26,3
ESC08R01-S	8	14,8	R 1/8"	26,5	65,1	71,7	29,3	8,8	8,0	18,3	10	22,5
ESC08R02-S		14,8	R 1/4"	26,5	65,1	71,7	31,3	8,8	10,0	18,3	14	27,4
ESC08R01-M		14,8	R 1/8"	29,8	73,2	82,3	34,5	12,0	8,0	18,3	14	40,0
ESC08R02-M		14,8	R 1/4"	29,8	73,2	82,3	37,5	12,0	10,0	18,3	14	42,9
ESC08R03-M		14,8	R 3/8"	29,8	73,2	82,3	38,5	12,0	11,0	18,3	17	48,5
ESC10R01-M	10	17,5	R 1/8"	31,7	75,0	84,1	34,5	12,0	8,0	20,1	14	41,7
ESC10R02-M		17,5	R 1/4"	31,7	75,0	84,1	37,5	12,0	10,0	20,1	14	44,7
ESC10R03-M		17,5	R 3/8"	31,7	75,0	84,1	38,5	12,0	11,0	20,1	17	50,2
ESC10R02-L		17,5	R 1/4"	34,4	80,1	88,6	42,4	15,0	10,0	20,1	19	72,5
ESC10R03-L		17,5	R 3/8"	34,4	80,1	88,6	43,4	15,0	11,0	20,1	19	76,5
ESC10R04-L		17,5	R 1/2"	34,4	80,1	88,6	46,4	15,0	14,0	20,1	21	85,2
ESC12R02-L	12	20,5	R 1/4"	37,1	83,1	91,6	42,4	15,0	10,0	23,1	19	75,2
ESC12R03-L		20,5	R 3/8"	37,1	83,1	91,6	43,4	15,0	11,0	23,1	19	79,2
ESC12R04-L		20,5	R 1/2"	37,1	83,1	91,6	46,4	15,0	14,0	23,1	21	88,1

ESC-G

Quick exhaust valve, BSPP thread, with manual flow regulator



CODE	ØD	ØP	T	L1	L2 MIN	L2 MAX	E1	E2	A	B	H	g
ESC06G01-S	6	12,5	G 1/8"	24,5	63,3	72,0	26,3	8,8	5,0	16,5	14	24,5
ESC06G02-S		12,5	G 1/4"	24,5	63,3	72,0	28,3	8,8	6,5	16,5	17	28,3
ESC08G01-S	8	14,8	G 1/8"	26,5	65,1	71,7	26,3	8,8	5,0	18,3	14	25,5
ESC08G02-S		14,8	G 1/4"	26,5	65,1	71,7	28,3	8,8	6,5	18,3	17	29,4
ESC08G01-M		14,8	G 1/8"	29,8	73,2	82,3	31,5	12,0	5,0	18,3	14	38,0
ESC08G02-M		14,8	G 1/4"	29,8	73,2	82,3	33,5	12,0	6,5	18,3	17	41,9
ESC08G03-M		14,8	G 3/8"	29,8	73,2	82,3	33,0	12,0	6,5	18,3	20	46,5
ESC10G01-M	10	17,5	G 1/8"	31,7	75,0	84,1	31,5	12,0	5,0	20,1	14	39,7
ESC10G02-M		17,5	G 1/4"	31,7	75,0	84,1	33,5	12,0	6,5	20,1	17	43,7
ESC10G03-M		17,5	G 3/8"	31,7	75,0	84,1	33,0	12,0	6,5	20,1	20	48,2
ESC10G02-L		17,5	G 1/4"	34,4	80,1	88,6	38,4	15,0	6,5	20,1	19	68,5
ESC10G03-L		17,5	G 3/8"	34,4	80,1	88,6	37,9	15,0	6,5	20,1	20	71,5
ESC10G04-L		17,5	G 1/2"	34,4	80,1	88,6	39,4	15,0	8,0	20,1	24	78,2
ESC12G02-L	12	20,5	G 1/4"	37,1	83,1	91,6	38,4	15,0	6,5	23,1	19	71,2
ESC12G03-L		20,5	G 3/8"	37,1	83,1	91,6	37,9	15,0	6,5	23,1	20	74,2
ESC12G04-L		20,5	G 1/2"	37,1	83,1	91,6	39,4	15,0	8,0	23,1	24	81,1

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 80°C

Working pressure:
from 0,5 to 10 Bar

Compressed air

- Parallel gas BSPP ISO 228
  from G1/8" to G1"
- Metric ISO 262
  M5
- NPT
  from N1/8" to N1/2"

Body: Nickel-plated brass
UNI EN 12165 CW617N

Membrane:
- NBR for M5 thread
- Polyurethane elastomer for all other sizes

Seal: Nylon

AVAILABILITY

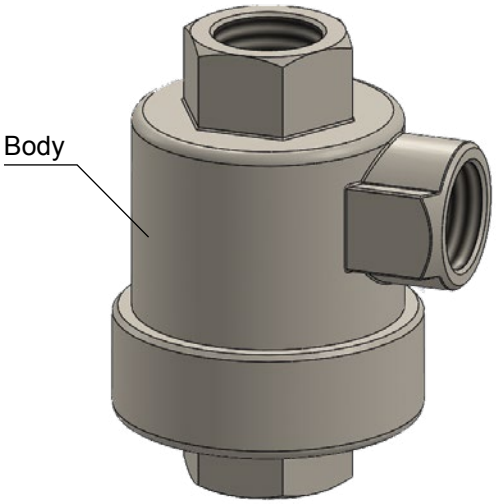
Available on request with Viton membrane from metric thread M5 to 1/2" BSPP thread

SILICONE FREE

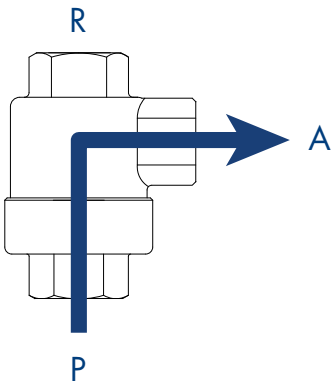
REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FLOW EXHAUST



This valve allows the air to be quickly expelled and consequently speeds up the working time.

The air entering "P" displaces the membrane closing the outlet "R" and exits from outlet "A".

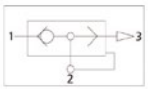
As soon as we remove the pressure coming from "P", the air at outlet "A" closes the outlet "P" due to the pressure difference, exiting quickly from exhaust outlet "R" where it is recommended to mount a silencer.

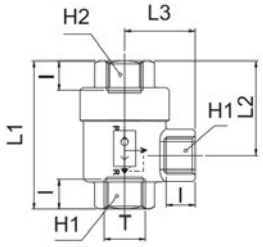
drawings and technical data are not binding & can be changed without notice

1100

Quick exhaust valve, BSPP & metric thread





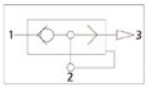


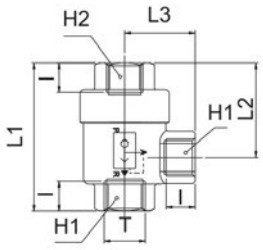
CODE	T	I	L1	L2	L3	H1	H2	g
1100TRM5	M5x0,8	4,5	24,8	15,6	10,5	10	10	27
1100TR18	G 1/8"	8,0	42,0	28,0	19,5	14	14	84
1100TR14	G 1/4"	11,0	53,0	34,5	25,0	19	19	146
1100TR38	G 3/8"	12,0	55,0	36,0	26,0	21	21	150
1100TR12	G 1/2"	14,0	71,0	44,0	35,0	26	26	314
1100TR34	G 3/4"	18,0	86,0	52,0	38,5	32	32	450
1100TR1	G 1"	19,0	94,0	56,0	42,0	38	38	525

1100-N

Quick exhaust valve, NPT thread



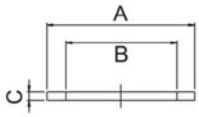




CODE	T	I	L1	L2	L3	H1	H2	g
1100TRN18	N 1/8"	8,0	42,0	28,0	19,5	14	14	84
1100TRN14	N 1/4"	11,0	53,0	34,5	25,0	19	19	146
1100TRN38	N 3/8"	12,0	55,0	36,0	26,0	21	21	150
1100TRN12	N 1/2"	14,0	71,0	44,0	35,0	26	26	314

1101

Nylon body seal

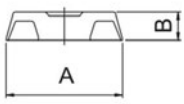


CODE	FOR VALVE	A	B	C	g
1101TRM5	M5x0,8	17,0	12,4	0,8	0,080
1101TR18	1/8"	23,8	20,0	1,0	0,014
1101TR14	1/4"	28,5	24,0	1,0	0,018
1101TR38	3/8"	28,5	24,0	1,0	0,018
1101TR12	1/2"	38,6	32,0	1,5	0,030
1101TR34	3/4"	45,0	38,0	1,5	0,760
1101TR1	1"	45,0	38,0	1,5	0,760

1102

Membrane for valve in polyurethane elastomer

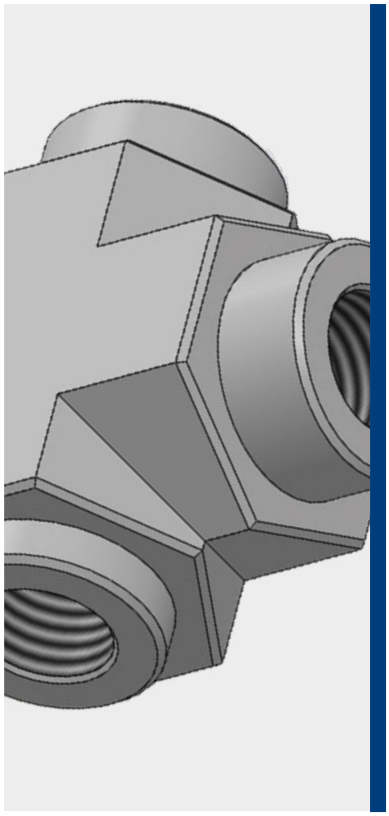




	CODE	FOR VALVE	A	B	g
*	1102TRM5	M5x0,8	13,5	4,5	0,4
	1102TR18	1/8"	20,5	5,0	1,1
	1102TR14	1/4"	25,5	5,8	1,9
	1102TR38	3/8"	25,5	5,8	1,9
	1102TR12	1/2"	35,5	8,2	2,5
	1102TR34	3/4"	40,5	9,0	7,0
	1102TR1	1"	40,5	9,0	7,0

* Membrane in NBR

drawings and technical data are not binding & can be changed without notice



VITON:
-20°C ÷ 120°C
POLYURETHANE:
-20°C ÷ 82°C

Working pressure:
from 0 to 40 Bar

Compressed air

- Parallel gas BSPP ISO 228
  from G1/8" to G1"
- NPT
  N1/4", N1/2", N1"

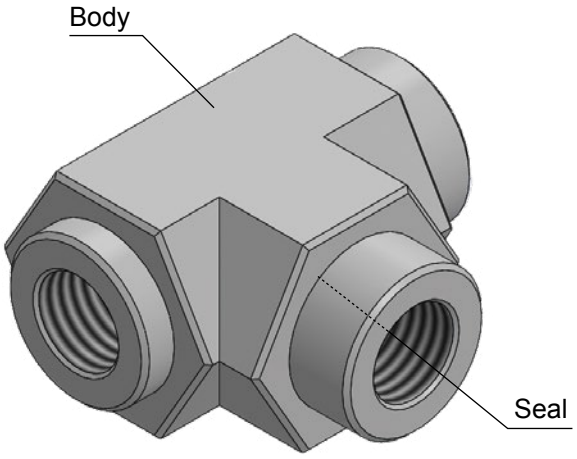
Body: Stainless steel AISI 316
Seal:
1/8" and 1/4" in Viton
from 3/8" to 1" in Polyurethane

SILICONE FREE

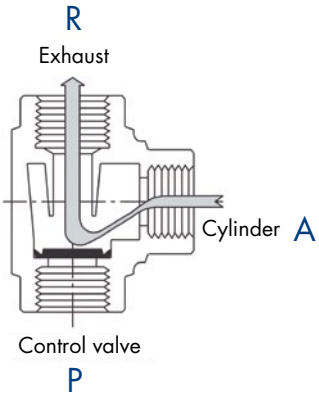
REACH COMPLIANT
Products in compliance with EC Regulation 1907/2006

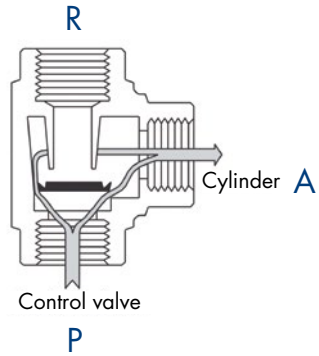
RoHS3
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FLOW DIRECTION

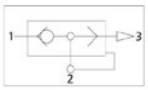


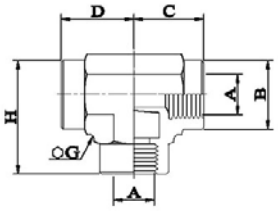


1400

Quick exhaust valve, BSPP thread





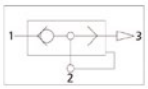


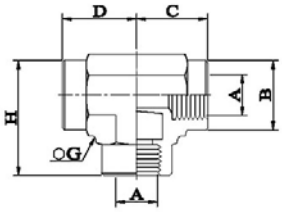
CODE	A	B	C	D	H	G	g
1400TR18	G 1/8"	17	21	16,5	31,5	22	125,0
1400TR14	G 1/4"	17	21	16,5	31,5	22	155,0
1400TR38	G 3/8"	22	25,5	19	37	27	202,0
1400TR12	G 1/2"	27	31	23	46	32	305,0
1400TR34	G 3/4"	38	44	35	46	46	915,0
1400TR1	G 1"	38	44	35	46	46	1380,0

1400-N

Quick exhaust valve, NPT thread







CODE	T	I	L1	L2	L3	H1	g
1400TRN14	N 1/4"	17	21	16,5	31,5	22	155,0
1400TRN12	N 1/2"	27	31	23	46	32	305,0
1400TRN1	N 1"	38	44	35	46	46	1380,0

drawings and technical data are not binding & can be changed without notice

FUNCTION FITTINGS STOP FITTINGS

PLUS

IDEAL FOR PERIODIC MAINTENANCE OF EQUIPMENT

IMPROVES THE SECUTIRY OF THE SYSTEM

COMPACT SIZE AND WIDE CHOISE OF SHAPES

AUTOMATICALLY CLOSES THE CIRCUIT WHEN THE TUBE IS DISCONNECTED



p. 370 / **SPC-R**



p. 370 / **SPC-G**



p. 370 / **SPUM**



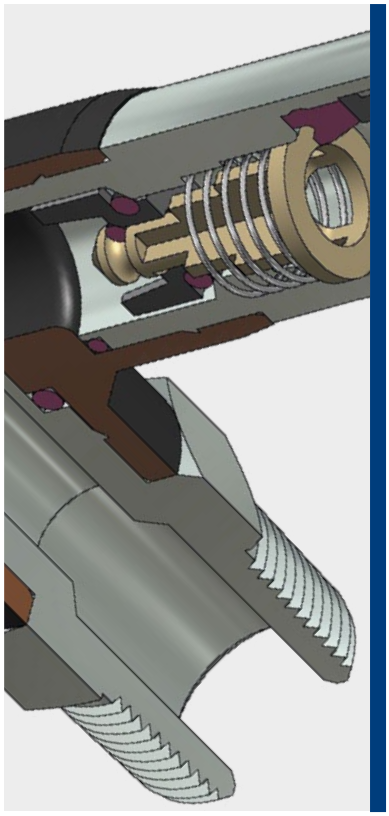
p. 371 / **SPL-R**



p. 371 / **SPL-G**



p. 371 / **SPU**



0°C ÷ 60°C

Working pressure:
from 0 to 10 Bar

Compressed air

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2" with o-ring
- Metric ISO 262
  M5 and M6

Polyamide PA, polyurethane PU

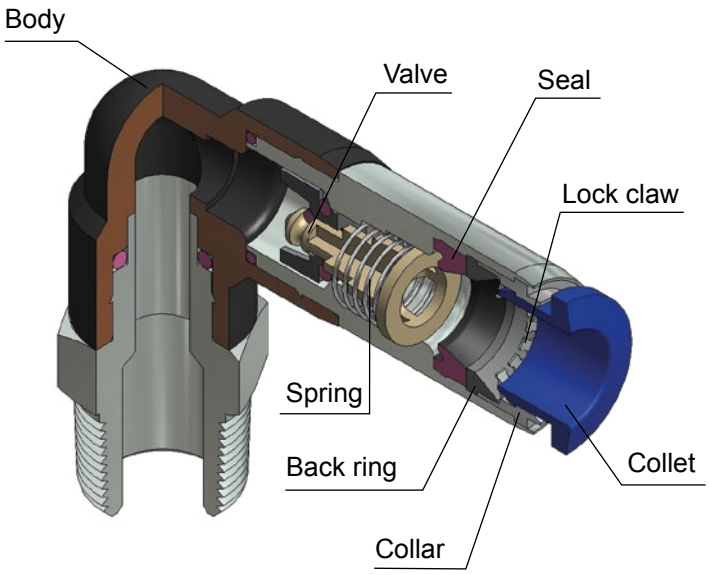
Body: Nickel-plated brass and PBT
Collet: POM
Collar: Zinc
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR
Spring: Stainless steel AISI 301
Valve: POM

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

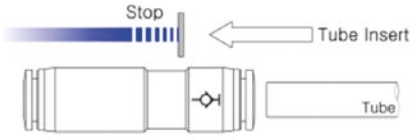
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

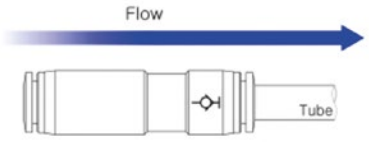


STOP FITTINGS

Stop fittings are designed to facilitate maintenance operations. They stop the flow of fluid when disconnected from the tube, and re-establish the flow of fluid in a bidirectional sense when reconnected.



Disconnection



Connection

TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

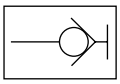
TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

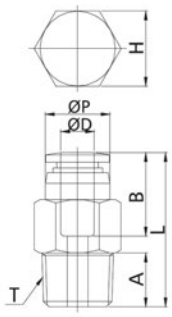
THREAD	M5x0,8	M6x1	1/8"	1/4"	3/8"	1/2"
Nm	1,5	2,3	10	15	25	40

SPC-R

Male connector stop fitting BSPT thread





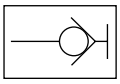


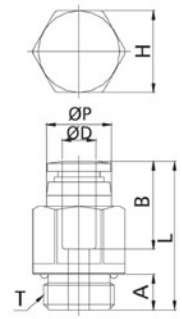
CODE	ØD	T	ØP	L	A	B	H	g
SPC04R01	4	R 1/8"	10,0	26,1	8,0	15,3	10	10,0
SPC06R01	6	R 1/8"	12,0	28,7	8,0	16,9	12	13,0
SPC06R02		R 1/4"	12,0	28,7	10,0	16,9	14	20,0
SPC08R02	8	R 1/4"	14,0	33,3	10,0	18,6	14	20,0
SPC08R03		R 3/8"	14,0	33,3	11,0	18,6	17	36,0
SPC10R02	10	R 1/4"	17,0	36,4	10,0	20,3	17	48,0
SPC10R03		R 3/8"	17,0	37,6	11,0	20,3	17	36,0
SPC10R04		R 1/2"	17,0	38,4	14,0	20,3	21	60,0
SPC12R02	12	R 1/4"	19,0	44,7	10,0	22,6	19	48,0
SPC12R03		R 3/8"	19,0	44,6	11,0	22,6	19	49,0
SPC12R04		R 1/2"	19,0	44,6	14,0	22,6	21	64,0

SPC-G

Male connector stop fitting BSPP thread





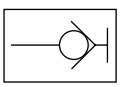


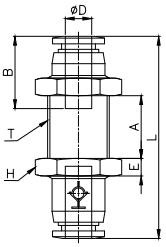
CODE	ØD	T	ØP	L	A	B	H	g
SPC04G01	4	G 1/8"	10,3	25,5	5,0	15,3	12	10,0
SPC06G01	6	G 1/8"	12,0	27,7	5,0	16,9	12	13,0
SPC06G02		G 1/4"	12,0	27,2	6,5	16,9	15	20,0
SPC08G02	8	G 1/4"	14,0	31,9	6,5	18,6	15	20,0
SPC08G03		G 3/8"	14,0	31,9	6,5	18,6	17	36,0
SPC10G02	10	G 1/4"	17,0	34,9	6,5	20,3	17	48,0
SPC10G03		G 3/8"	17,0	36,4	6,5	20,3	17	36,0
SPC10G04		G 1/2"	17,0	37,4	8,0	20,3	21	60,0
SPC12G02	12	G 1/4"	19,0	43,2	6,5	22,6	19	48,0
SPC12G03		G 3/8"	19,0	43,2	6,5	22,6	21	49,0
SPC12G04		G 1/2"	19,0	43,7	8,0	22,6	21	64,0

SPUM

Bulkhead connector stop fitting





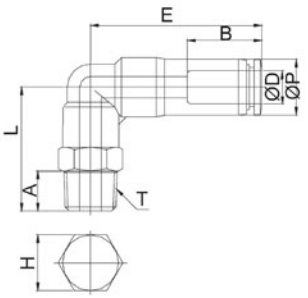


CODE	ØD	T	L	E	A MAX	B	H	g
SPUM04	4	M12x1	40,9	4	12,1	14,8	14	22,4
SPUM06	6	M14x1	45,9	4	14,1	16,4	17	32,2
SPUM08	8	M16x1	53,2	5	18,5	18,5	19	48,9
SPUM10	10	M20x1	58,6	5	20,8	20,3	24	81,2
SPUM12	12	M22x1	67,6	5	26,6	22,6	26	

SPL-R

Male elbow stop fitting BSPT thread



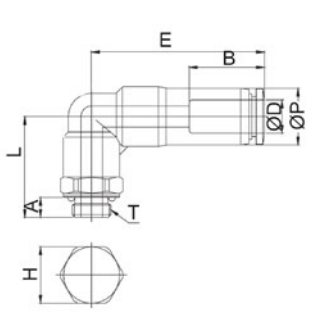


CODE	ØD	T	ØP	L	E	A	B	H	g
SPL04R01	4	R 1/8"	10,0	24,5	29,5	8,0	14,8	10	15,0
SPL06R01	6	R 1/8"	12,0	26,5	32,8	8,0	16,4	12	22,0
SPL06R02		R 1/4"	12,0	29,5	32,8	10,0	16,4	14	27,0
SPL08R01	8	R 1/8"	14,0	28,0	42,9	8,0	18,4	14	32,0
SPL08R02		R 1/4"	14,0	31,0	42,9	10,0	18,4	14	38,0
SPL08R03		R 3/8"	14,0	32,0	42,9	11,0	18,4	17	44,0
SPL10R02	10	R 1/4"	17,0	31,5	49,0	10,0	20,2	17	57,0
SPL10R03		R 3/8"	17,0	32,5	49,0	11,0	20,2	17	64,0
SPL10R04		R 1/2"	17,0	35,5	49,0	14,0	20,2	21	80,0
SPL12R03	12	R 3/8"	19,0	35,4	57,5	11,0	22,4	19	78,0
SPL12R04		R 1/2"	19,0	38,4	57,5	14,0	22,4	21	91,0

SPL-G

Male elbow stop fitting BSPP & metric thread



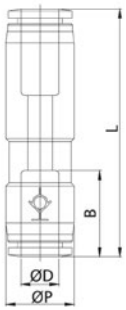


CODE	ØD	T	ØP	L	E	A	B	H	g
SPL04M5	4	M5x0,8	10,0	20,5	29,5	4,0	14,8	10	13,0
SPL04M6		M6x1,0	10,0	20,6	29,5	4,1	14,8	10	14,0
SPL04G01		G 1/8"	10,0	21,5	29,5	5,0	14,8	14	15,0
SPL06M5	6	M5x0,8	12,0	22,5	32,8	4,0	16,4	12	19,0
SPL06G01		G 1/8"	12,0	23,5	32,8	5,0	16,4	14	22,0
SPL06G02		G 1/4"	12,0	25,5	32,8	6,5	16,4	17	27,0
SPL08G02	8	G 1/4"	14,0	27,0	42,9	6,5	18,4	17	38,0
SPL08G03		G 3/8"	14,0	26,5	42,9	6,5	18,4	20	44,0
SPL10G02	10	G 1/4"	17,0	27,5	49,0	6,5	20,2	17	57,0
SPL10G03		G 3/8"	17,0	27,0	49,0	6,5	20,2	20	64,0
SPL10G04		G 1/2"	17,0	28,5	49,0	8,0	20,2	24	80,0
SPL12G03	12	G 3/8"	19,0	29,9	57,5	6,5	22,4	20	78,0
SPL12G04		G 1/2"	19,0	31,4	57,5	8,0	22,4	24	91,0

SPU

Union connector stop fitting





CODE	ØD	ØP	L	B	g
SPU04	4	10,5	41,7	16,2	5,0
SPU06	6	12,5	45,9	17,4	8,0
SPU08	8	14,8	52,8	18,9	11,0
SPU10	10	17,5	58,3	20,4	19,0
SPU12	12	20,5	67,1	23,0	30,0

TierreGroup®

Always a fittings solution



FOLLOW US!

FUNCTION FITTINGS CHECK VALVES

PLUS

AVAILABLE IN DIFFERENT MATERIALS TO BE USED IN MULTIPLE APPLICATIONS

DIFFERENT TECHNOLOGIES TO GUARANTEE MORE SOLUTIONS

INDICATOR OF FLOW DIRECTION ON VALVE BODY

FULL PASSAGE GUARANTEE

ALSO AVAILABLE FOR FOOD FLUIDS AND POTABLE WATER CONTACT (1700LF & HCVU)

Check valves are actuated directly by the fluid being conveyed, allowing it to flow in only one direction.
They are used to keep a part of the circuit under pressure even in the absence of supply pressure.

CHECK VALVES / CDC PNEUMATICS



p. 378 / **CVPC-R**



p. 378 / **CVPC-R-IN**



p. 378 / **CVPC-G**



p. 379 / **CVPC-G-IN**



p. 379 / **CVPU**



p. 379 / **CVPF-R**



p. 380 / **CVPF-R-IN**



p. 380 / **CVPF-G**



p. 380 / **CVPF-G-IN**



p. 380 / **CVFF**

CHECK VALVES / NICKEL-PLATED BRASS PN 10



p. 381 / **1700L**

CHECK VALVES / YELLOW BRASS PN 10



p. 382 / **1700LF**

CHECK VALVES / YELLOW BRASS PN 16



p. 384 / **1705L**

CHECK VALVES / FLUIDFIT



p. 386 / **HCVU**

CHECK VALVES PN20 / YELLOW BRASS, STAINLESS STEEL AISI 303 & STAINLESS STEEL AISI 316L



p. 389 / **1705**



p. 390 / **1710**



p. 391 / **1730**

PILOT CHECK VALVES / BRASS



p. 394 / **PVSF-R**

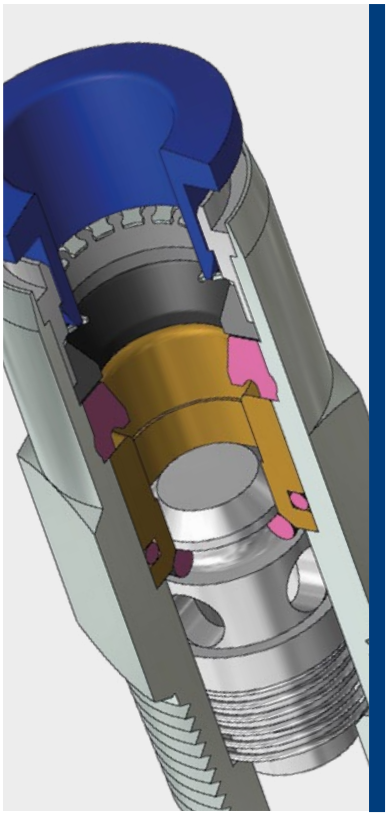


p. 394 / **PVSF-G**

TierreGroup®
Always a fittings solution



FOLLOW US!



0°C ÷ 60°C

Working pressure:
From 0 to 10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Min. opening pressure:
0,1 - 0,2 Bar

Compressed air & vacuum
(do not use with water)

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2" with o-ring
- Metric ISO 262
  M5 and M6

Polyamide PA, Polyurethane PU

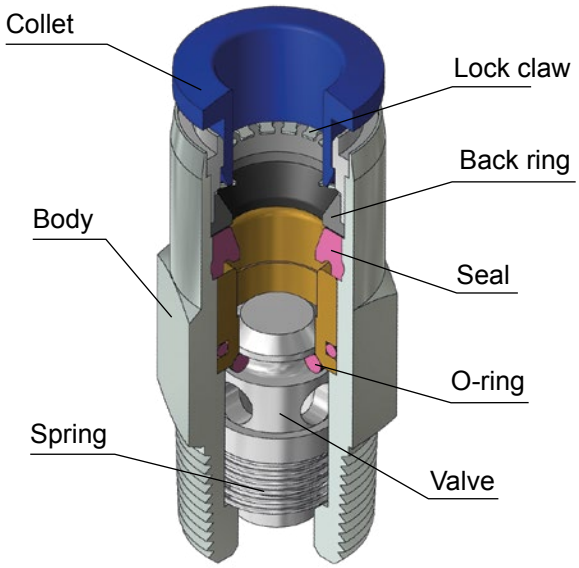
Body:
CVPC: Brass from Ø4 to Ø8
Alluminium from Ø10 to Ø12
CVPU: PBT from Ø4 to Ø8
Alluminium from Ø10 to Ø12
CVPF: Nickel-plated brass
CVFF: Nickel-plated brass
Collet: POM
Lock claw: Stainless steel AISI 301
Back ring: POM
Seal: NBR silicone free
O-ring: NBR silicone free
Spring: Stainless steel AISI 301
Valve: Aluminium

SILICONE FREE

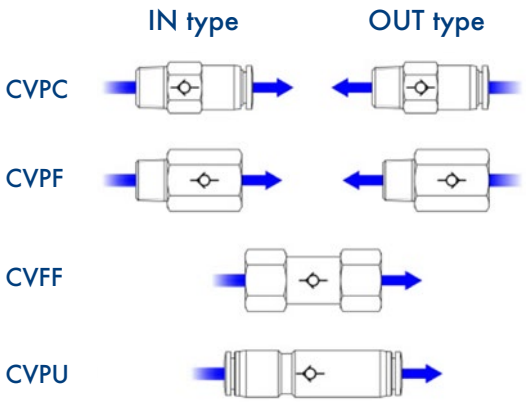
Products in compliance with EC Regulation 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FLOW



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

THREAD	M5x0,8	M6x1	1/8"	1/4"	3/8"	1/2"
Nm	1,5	2,3	10	15	25	40

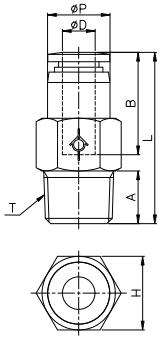
drawings and technical data are not binding & can be changed without notice

CVPC-R

Male connector check valve BSPT thread - OUT type







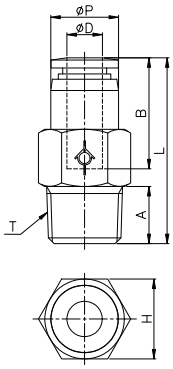
CODE	ØD	T	ØP	L	A	B	H	g
CVPC04R01	4	R 1/8"	10,0	27,3	8,0	14,8	10	11,0
CVPC06R01	6	R 1/8"	11,9	32,5	8,0	16,4	12	16,0
CVPC06R02		R 1/4"	11,9	32,5	10,0	16,4	14	24,0
CVPC08R01	8	R 1/8"	14,0	34,9	8,0	18,4	14	21,0
CVPC08R02		R 1/4"	14,0	37,2	10,0	18,4	14	24,0
CVPC10R03	10	R 3/8"	23,0	56,3	11,0	20,2	22	35,0
CVPC10R04		R 1/2"	23,0	58,3	14,0	20,2	22	41,0
CVPC12R03	12	R 3/8"	25,0	62,2	11,0	22,9	24	40,0
CVPC12R04		R 1/2"	25,0	65,2	14,0	22,9	24	40,0

CVPC-R-IN

Male connector check valve BSPT thread - IN type





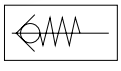


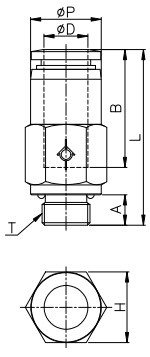
CODE	ØD	T	ØP	L	A	B	H	g
CVPC04R01-IN	4	R 1/8"	10,0	27,3	8,0	15,3	10	9,8
CVPC06R01-IN	6	R 1/8"	11,9	32,6	8,0	16,3	12	12,8
CVPC06R02-IN		R 1/4"	11,9	32,6	10,0	16,3	14	19,8
CVPC08R01-IN	8	R 1/8"	14,0	34,9	8,0	18,3	14	18,7
CVPC08R02-IN		R 1/4"	14,0	37,2	10,0	18,3	14	20,7
CVPC10R03-IN	10	R 3/8"	23,0	56,3	11,0	20,3	22	45,5
CVPC10R04-IN		R 1/2"	23,0	58,3	14,0	20,3	22	63,5
CVPC12R03-IN	12	R 3/8"	25,0	62,3	12,0	23,3	24	48,3
CVPC12R04-IN		R 1/2"	25,0	65,3	14,0	23,3	24	68,3

CVPC-G

Male connector check valve BSPP & metric thread - OUT type







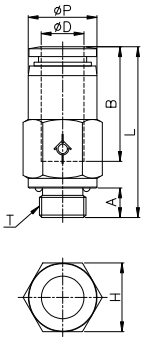
CODE	ØD	T	ØP	L	A	B	H	g
CVPC04M5	4	M5x0,8	10,0	31,4	3,6	14,8	10	11,0
CVPC04M6		M6x1,0	10,0	30,4	4,6	14,8	10	11,0
CVPC04G01		G 1/8"	10,0	27,3	6,0	14,8	10	11,0
CVPC06G01	6	G 1/8"	11,9	32,5	6,0	16,4	12	16,0
CVPC06G02		G 1/4"	11,9	32,5	7,0	16,4	15	24,0
CVPC08G01	8	G 1/8"	14,0	34,8	6,0	18,4	14	21,0
CVPC08G02		G 1/4"	14,0	36,9	7,0	18,4	15	24,0
CVPC10G03	10	G 3/8"	23,0	54,0	8,0	20,2	22	35,0
CVPC10G04		G 1/2"	23,0	55,3	9,0	20,2	24	41,0
CVPC12G03	12	G 3/8"	25,0	58,9	8,0	22,9	24	40,0
CVPC12G04		G 1/2"	25,0	60,2	9,0	22,9	24	40,0

drawings and technical data are not binding & can be changed without notice

CVPC-G-IN

Male connector check valve BSPP & metric thread - IN type



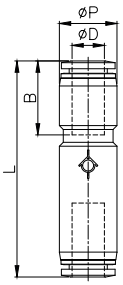


CODE	ØD	T	ØP	L	A	B	H	g
CVPC04M5-IN	4	M5x0,8	10,0	31,4	3,6	14,8	10	11,0
CVPC04M6-IN		M6x1,0	10,0	30,4	4,6	14,8	10	11,0
CVPC04G01-IN		G 1/8"	10,0	27,3	6,0	14,8	10	11,0
CVPC06G01-IN	6	G 1/8"	11,9	32,5	6,0	16,4	12	16,0
CVPC06G02-IN		G 1/4"	11,9	32,5	7,0	16,4	15	24,0
CVPC08G01-IN	8	G 1/8"	14,0	34,3	6,0	18,4	14	21,0
CVPC08G02-IN		G 1/4"	14,0	36,9	7,0	18,4	15	24,0
CVPC10G03-IN	10	G 3/8"	23,0	54,0	8,0	20,2	22	35,0
CVPC10G04-IN		G 1/2"	23,0	55,3	9,0	20,2	24	41,0
CVPC12G03-IN	12	G 3/8"	25,0	58,9	8,0	22,9	24	40,0
CVPC12G04-IN		G 1/2"	25,0	60,2	9,0	22,9	24	40,0

CVPU

Union connector check valve - PBT





CODE	ØD	ØP	L	B	g
CVPU04	4	10,5	41,9	14,8	4,9
CVPU06	6	12,5	47,4	16,4	8,2
CVPU08	8	14,8	55,5	18,3	12,9

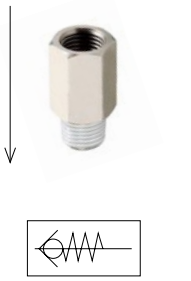
Union connector check valve - Alluminium

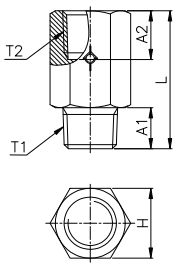


CODE	ØD	ØP	L	B	g
CVPU10	10	23,0	65,2	20,2	43,5
CVPU12	12	25,0	72,9	22,9	58,1

CVPF-R

M/F connector check valve BSPT thread - OUT type



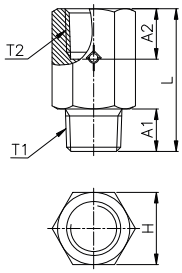


CODE	T1	T2	L	A1	A2	H	g
CVPF01R01	R 1/8"	R 1/8"	27,6	8	8,5	12	16,0
CVPF02R02	R 1/4"	R 1/4"	33,6	10	11	17	38,0
CVPF03R03	R 3/8"	R 3/8"	53,3	12	13	22	107,0
CVPF04R04	R 1/2"	R 1/2"	61,5	14	15	24	131,0

CVPF-R-IN

M/F connector check valve BSPT thread - IN type



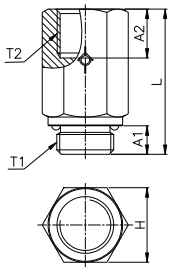


CODE	T1	T2	L	A1	A2	H	g
CVPF01R01-IN	R 1/8"	R 1/8"	27,6	8	8,5	12	16,0
CVPF02R02-IN	R 1/4"	R 1/4"	33,6	10	11	17	38,0
CVPF03R03-IN	R 3/8"	R 3/8"	53,3	12	13	22	107,0
CVPF04R04-IN	R 1/2"	R 1/2"	61,5	14	15	24	131,0

CVPF-G

M/F connector check valve BSPP thread - OUT type



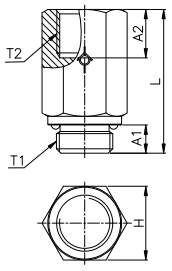


CODE	T1	T2	L	A1	A2	H	g
CVPF01G01	G 1/8"	G 1/8"	27,	5,0	8,5	14	23,0
CVPF02G02	G 1/4"	G 1/4"	33,3	6,5	11	17	39,0
CVPF03G03	G 3/8"	G 3/8"	50,5	6,5	13	22	102,0
CVPF04G04	G 1/2"	G 1/2"	56,7	8,0	15	24	121,0

CVPF-G-IN

M/F connector check valve BSPP thread - IN type



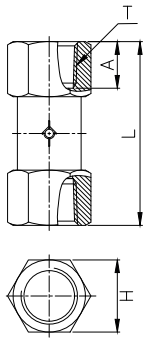


CODE	T1	T2	L	A1	A2	H	g
CVPF01G01-IN	G 1/8"	G 1/8"	27,6	5,0	8,5	14	23,0
CVPF02G02-IN	G 1/4"	G 1/4"	33,3	6,5	11	17	39,0
CVPF03G03-IN	G 3/8"	G 3/8"	50,5	6,5	13	22	102,0
CVPF04G04-IN	G 1/2"	G 1/2"	56,7	8,0	15	24	121,0

CVFF

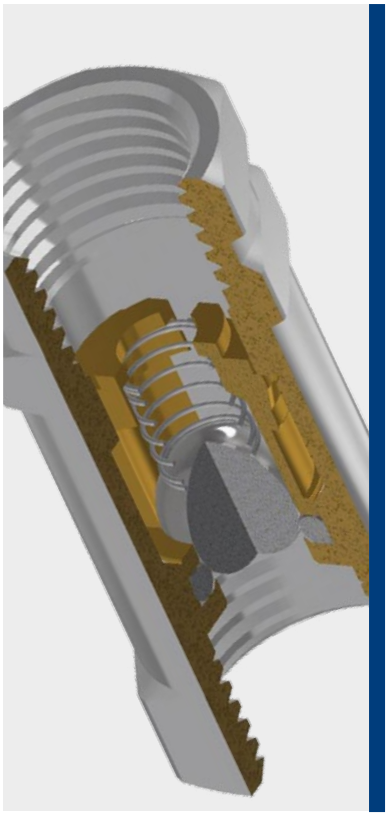
Female check valve BSPT thread





CODE	T	L	A	H	g
CVFF-R01	R 1/8"	35,6	9,0	12	20,0
CVFF-R02	R 1/4"	43,3	11,0	17	49,2
CVFF-R03	R 3/8"	53,2	12,0	22	93,9
CVFF-R04	R 1/2"	60,5	14,0	24	113,7

drawings and technical data are not binding & can be changed without notice



NBR: -5°C ÷ 70°C
EPDM: -40°C ÷ 140°C

Working pressure:
from 0,5 to 10 Bar
Min. opening pressure:
0,025 Bar
Max. opening pressure:
0,07 Bar

Compressed air and fluids suitable with construction materials

Fluid flow in one direction only. Flow direction marked on the body

- Parallel gas BSPP ISO 228 from G1/8" to G1/2"
- Metric ISO 262 M5

Body: Nickel-plated brass
Shutter with ball: Stainless steel AISI 304
Spring: Stainless steel AISI 302
O-ring: NBR 70

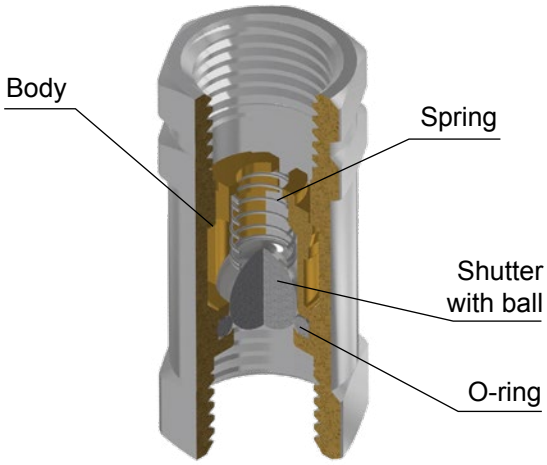
PLUS
Made with a ball shutter, which guarantees the advantage of eliminating the friction of the components and, at the same time, increases the lifetime.

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

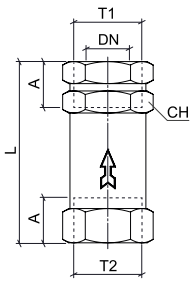
CONSTRUCTION DETAILS



1700L

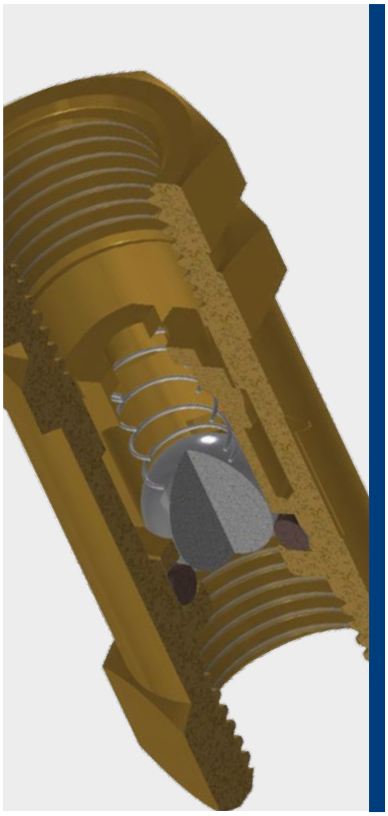
Female check valve BSPP & metric thread





CODE	T1	T2	ØD	L	A	CH	g
1700TRM5L	M5x0,8	M5x0,8	2,8	24,0	6,0	10	13,0
1700TR18L	G 1/8"	G 1/8"	5,0	31,0	8,0	13	28,0
1700TR14L	G 1/4"	G 1/4"	7,0	37,0	9,5	16	35,0
1700TR38L	G 3/8"	G 3/8"	8,5	42,0	10,5	20	59,0
1700TR12L	G 1/2"	G 1/2"	10,0	50,0	21,0	25	78,0

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 150°C

Working pressure:
from 0,5 to 10 Bar
Min. opening pressure:
0,025 Bar
Max. opening pressure:
0,07 Bar

Compressed air and fluids suitable with construction materials

Fluid flow in one direction only. Flow direction marked on the body

Parallel gas BSPP ISO 228 G1/8" and G1/4"

Body: Yellow brass CW510L NSF/ANSI 372 compliant
Shutter with ball: Stainless steel AISI 304
Spring: Stainless steel AISI 302
O-ring: FKM FDA compliant

LEAD FREE

Complies with the lead content requirements for "LEAD FREE" plumbing (U.S. Safe Drinking Water Act).

PLUS

Thanks to the shutter with ball technology the friction between the components is eliminated and that increasing the service life.

Materials in compliance for food contact - EC 1935/2004 and D.M.174/2004

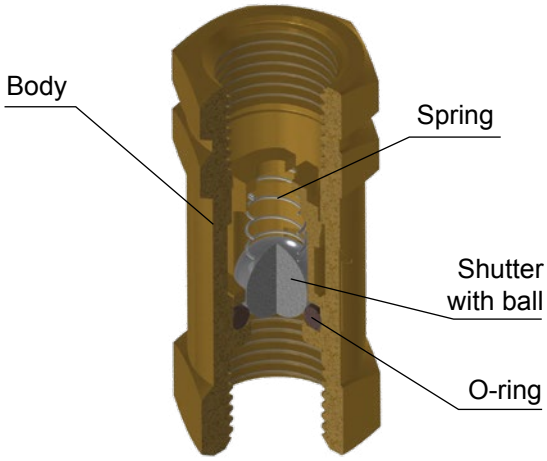
NSF/ANSI 169

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

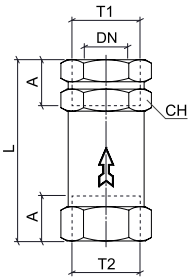
CONSTRUCTION DETAILS



1700LF

F/F check valve BSPP thread

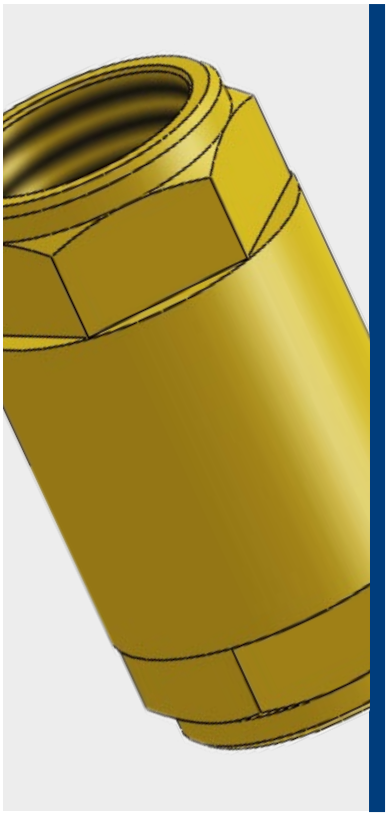






CODE	T1	T2	ØD	L	A	CH
1700LF01	G 1/8"	G 1/8"	5	8,0	31	13
1700LF02	G 1/4"	G 1/4"	7	9,0	37	16

drawings and technical data are not binding & can be changed without notice



0°C ÷ 90°C

Working pressure:
from G3/8" to G1": 16 Bar
from G1"-1/4" to G2": 10 Bar
from G2"-1/2" to G4": 8 Bar

Air, neutral gases and water

Fluid flow in one direction only. Flow direction marked on the body

Parallel gas BSPP ISO 228 from G3/8" to G4"

Body: Yellow brass CW617N UNI EN 12165/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Shutter: Acetal resin
Spring: Stainless steel AISI 302
Seal: NBR

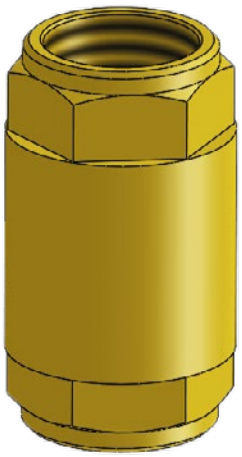
AVAILABILITY

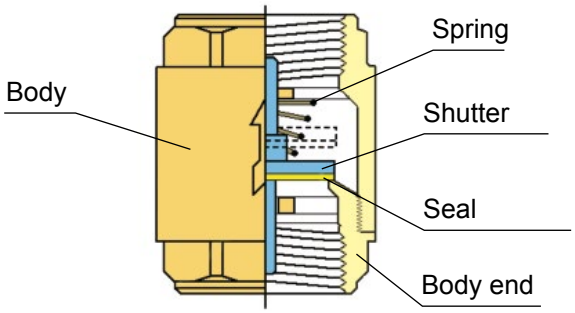
Available on request with shutter in stainless steel AISI 304

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

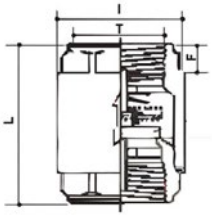




1705L

Check valve BSPP thread - yellow brass

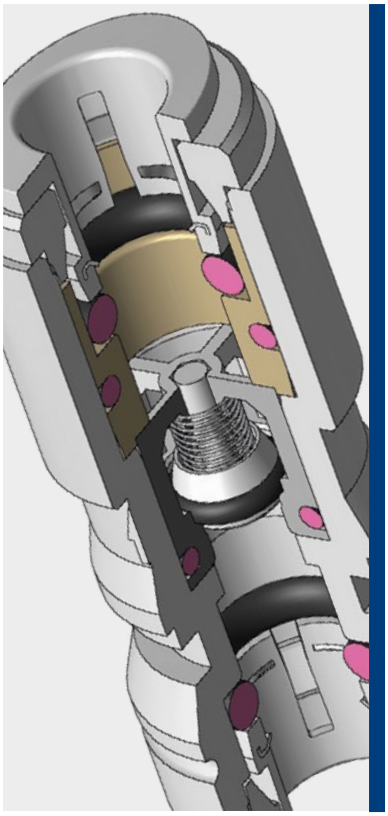






CODE	T	F	I	L	g
1705TR38L	G 3/8"	12	29	46,0	35,0
1705TR12L	G 1/2"	12	30	48,0	110,0
1705TR34L	G 3/4"	14	37	53,0	150,0
1705TR1L	G 1"	15	44	59,0	240,0
1705TR114L	G 1"-1/4"	14	56	66,0	360,0
1705TR112L	G 1"-1/2"	15	63	71,0	480,0
1705TR2L	G 2"	14	78	80,0	700,0
1705TR212L	G 1"-1/2"	16	103	93,0	380,0
1705TR3L	G 3"	18	120	104,0	850,0
1705TR4L	G 4"	20	155	115,0	1050,0

drawings and technical data are not binding & can be changed without notice



Dry air: -20°C ÷ 90°C
Air & Fluids: 1°C ÷ 90°C
The maximum recommended working temperature for continuous use is 65°C and 90°C for a maximum use of 5 minutes.

Working pressure:
Up to 10 Bar
From 0 to 8 Bar with dry air
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Data depend from the tubes and temperature used
Opening pressure:
0,02 Bar

Potable water, beverages, vacuum, compressed air, gases and fluids compatible with construction materials

Polyethylene PE, polyamide PA, PTFE, FEP
Tubes made of light metals:
Brass, copper and mild steel
Tubes made of hard materials:
See page 84 for information on the use of hard material tubes

Body: POM
Collet: POM
Lock claw: Stainless steel AISI 301
Seal: EPDM suitable for food contact
Guide: POM
Valve: POM, Stainless steel AISI 301 and EPDM

Food contact materials EC 1935/2004

D.M. 174/2004

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS

NSF51
NSF61

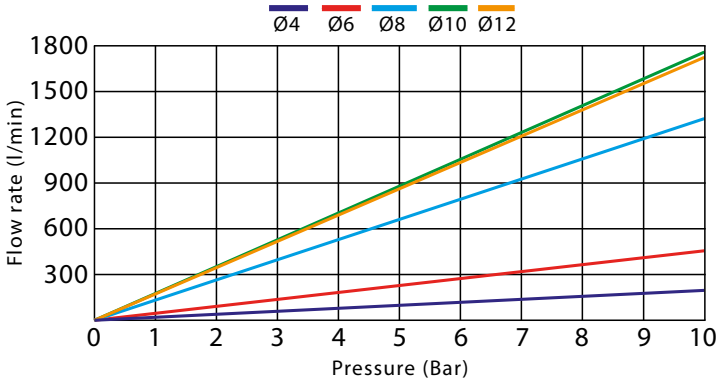
W270 DVGW - W270

KTW guidelines for cold water 23°C

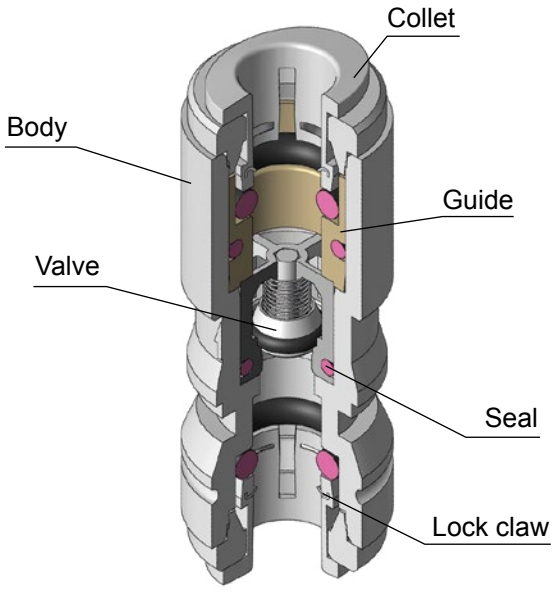
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

FLOW CHART



CONSTRUCTION DETAILS

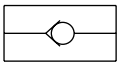


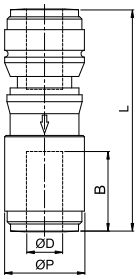
drawings and technical data are not binding & can be changed without notice

HCVU

Union connector check valve - acetal resin







CODE	ØD	ØP	L	B	g
HCVU0404W	4	13,2	44,4	14,7	6,1
HCVU0606W	6	15,5	45,5	16,1	7,4
HCVU0808W	8	17,6	48,6	17,5	10,0
HCVU1010W	10	20,0	57,6	19,4	14,5
HCVU1212W	12	23,6	67,5	23,9	22,1

FUNCTION FITTINGS CHECK VALVES PN20

PLUS

- POSSIBILITY TO ASSEMBLE DIFFERENT SPRINGS FOR DIFFERENT OPENING PRESSURES
- MAXIMUM CAPACITY WITH MINIMUM PRESSURE LOSS
- INDICATOR OF FLOW ON VALVE BODY
- STRONG DESPITE COMPACT SIZE
- POSSIBILITY TO ASSEMBLE SEALS IN NBR, FKM AND EPDM



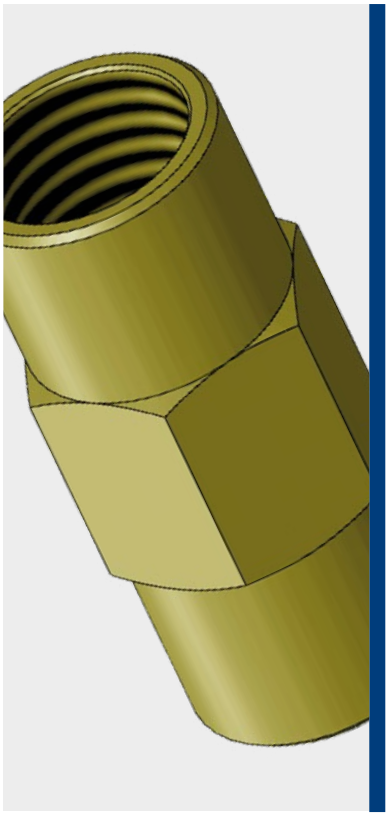
p. 389 / **1705**



p. 390 / **1710**



p. 391 / **1730**



NBR: -20°C ÷ 100°C
FKM: -20°C ÷ 205°C
EPDM: -40°C ÷ 130°C

Working pressure:
20 Bar

Compressed air, water, gases, mineral or synthetic non-aggressive oils in non-corrosive environments and fluids compatible with construction materials

Fluid flow in one direction only. Flow direction marked on the body

Parallel gas BSPP ISO 228 from G1/8" to G1"

Body: Yellow brass OT 58
Shutter: Yellow brass OT 58
Shutter support: Yellow brass OT 58
Spring: Stainless steel AISI 302
O-ring: NBR
Retaining ring: Stainless steel AISI 302

AVAILABILITY

- Can be fitted with O-rings made of FKM or EPDM;
- Different opening pressures on request;

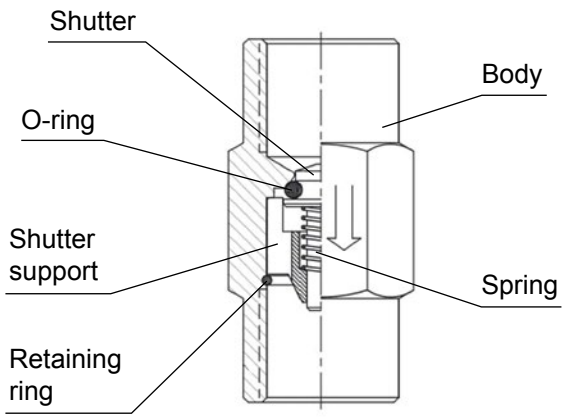
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

MINIMUM OPENING PRESSURE

THREAD	G 1/8"	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"
Bar	0,35	0,30	0,25	0,08	0,10	0,80

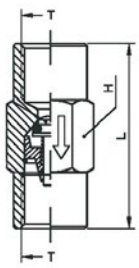
CONSTRUCTION DETAILS



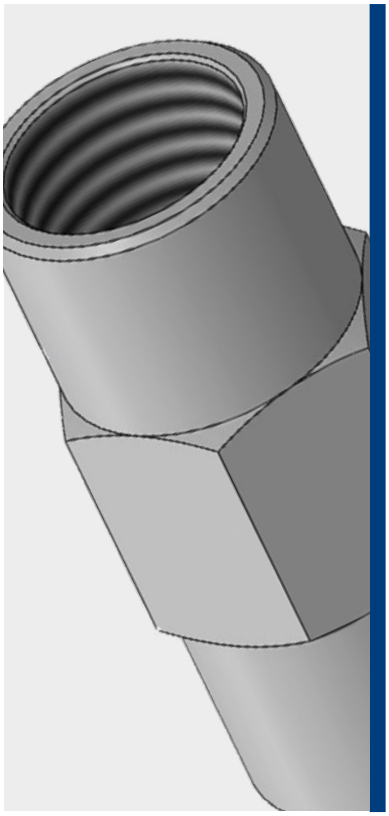
1705

Female check valve BSPP threa - yellow brass PN 20





CODE	T	L	H	g
1705TR18	G 1/8"	36,0	17	52,0
1705TR14	G 1/4"	38,5	17	45,0
1705TR38	G 3/8"	45,0	22	90,0
1705TR12	G 1/2"	56,0	27	153,0
1705TR34	G 3/4"	66,5	34	285,0
1705TR1	G 1"	79,0	40	388,0



NBR: -20°C ÷ 100°C
FKM: -20°C ÷ 205°C
EPDM: -40°C ÷ 130°C

Working pressure:
20 Bar

Compressed air, water, gases, mineral or synthetic non-aggressive oils in non-corrosive environments and fluids compatible with construction materials

Fluid flow in one direction only. Flow direction marked on the body

Parallel gas BSPP ISO 228 from G1/8" to G1"

Body: Stainless steel AISI 303
Shutter: Stainless steel AISI 303
Shutter support: Acciaio inox AISI 303
Spring: Stainless steel AISI 302
O-ring: FKM
Retaining ring: Stainless steel AISI 302

AVAILABILITY

- Can be fitted with NBR or EPDM O-rings;
- Different opening pressures on request;

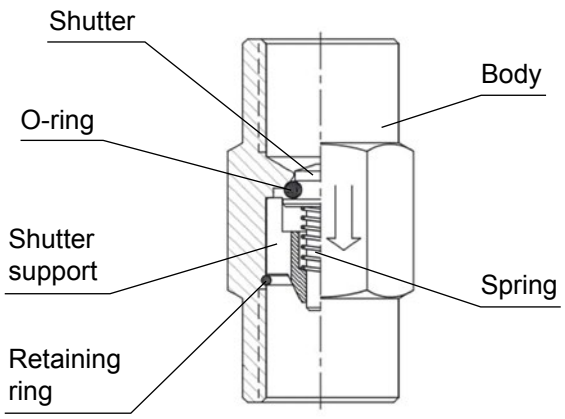
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

MINIMUM OPENING PRESSURE

THREAD	G 1/8"	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"
Bar	0,35	0,30	0,25	0,08	0,10	0,80

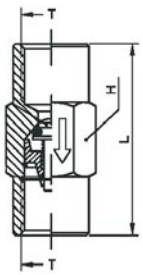
CONSTRUCTION DETAILS



1710

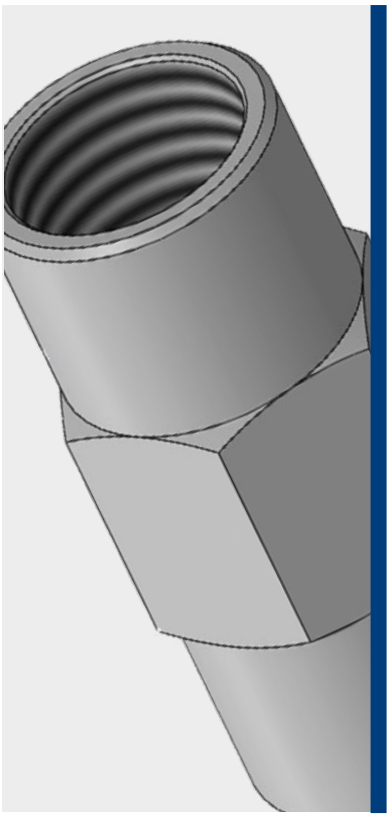
Female check valve BSPP thread - stainless steel AISI 303 PN 20





CODE	T	L	H	g
1710TR18	G 1/8"	36,0	17	48,0
1710TR14	G 1/4"	38,5	17	43,0
1710TR38	G 3/8"	45,0	22	82,0
1710TR12	G 1/2"	56,0	27	143,0
1710TR34	G 3/4"	66,5	36	325,0
1710TR1	G 1"	79,0	41	388,0

drawings and technical data are not binding & can be changed without notice



NBR: -20°C ÷ 100°C
FKM: -20°C ÷ 205°C
EPDM: -40°C ÷ 130°C

Working pressure:
20 Bar

Compressed air, oxidising, corrosive environments and fluids compatible with construction materials

Fluid flow in one direction only. Flow direction marked on the body

Parallel gas BSPP ISO 228 from G1/8" to G1"

Body: Stainless steel AISI 316L
Shutter: Stainless steel AISI 316L
Shutter support: Stainless steel AISI 316L
Spring: Stainless steel AISI 302
O-ring: FKM
Retaining ring: Stainless steel AISI 302

Food contact materials EC 1935/2004

D.M. 174/2004

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

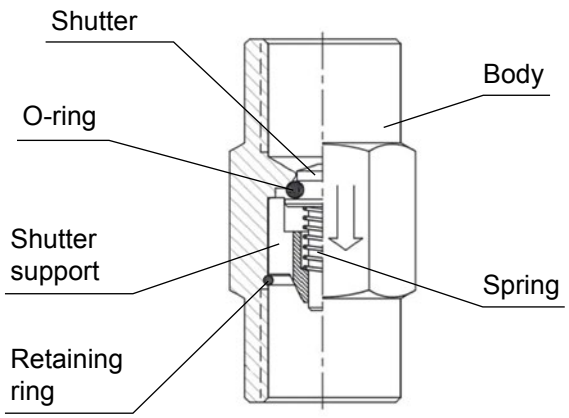
MINIMUM OPENING PRESSURE

FILETTO	G 1/8"	G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"
Bar	0,35	0,30	0,25	0,08	0,10	0,80

AVAILABILITY

- Can be fitted with NBR and EPDM O-rings;
- Different opening pressures on request;

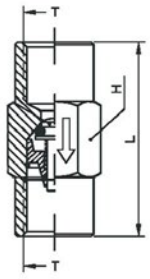
CONSTRUCTION DETAILS



1730

Female check valve BSPP thread - stainless steel AISI 316L PN 20



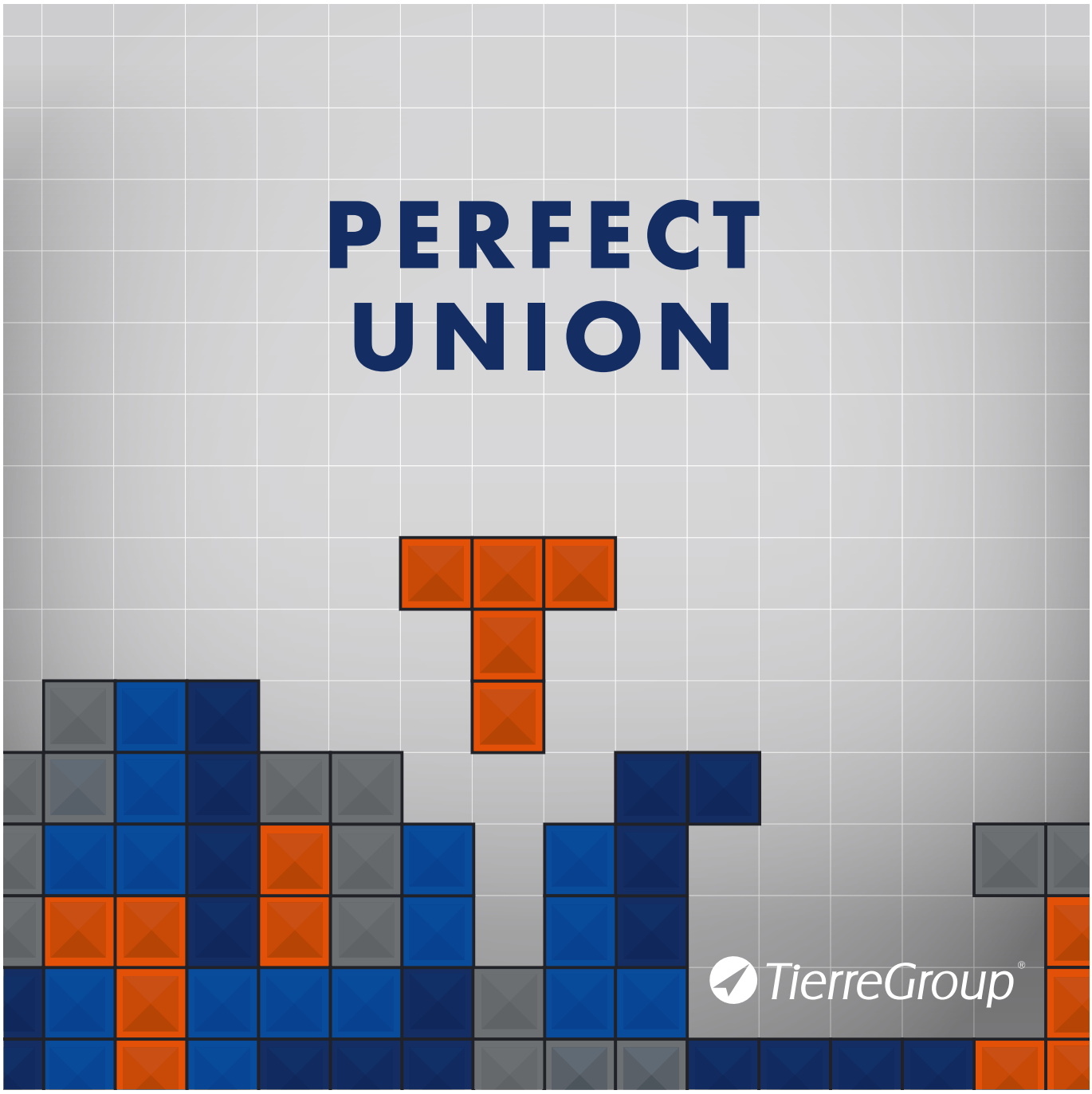


CODE	T	L	H	g
1730TR18	G 1/8"	36,0	17	48,0
1730TR14	G 1/4"	38,5	17	43,0
1730TR38	G 3/8"	45,0	22	84,0
1730TR12	G 1/2"	56,0	27	143,0
1730TR34	G 3/4"	66,5	36	330,0
1730TR1	G 1"	79,0	41	388,0

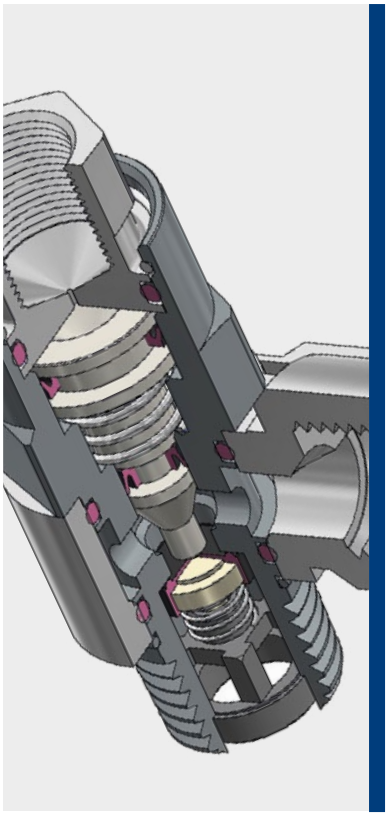
drawings and technical data are not binding & can be changed without notice

TierreGroup®

Always a fittings solution



FOLLOW US!



0°C ÷ 60°C

Working pressure:
10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Min. pilot pressure:
More than 50% of the working pressure (more than 1 Bar)

Compressed air & vacuum
(do not use with water)

- Taper gas BSPT ISO 7
from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
from G1/8" to G1/2"

Body: Nickel-plated brass and zinc
Shaft rod: Brass
Valve: NBR and Stainless steel
Valve holder: Brass
O-ring: NBR
Seal: NBR
Spring: Stainless steel AISI 301
Retaining ring: Stainless steel AISI 301

SILICONE FREE

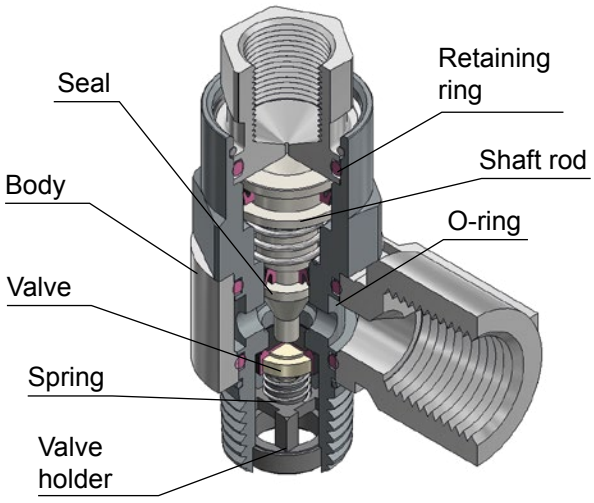
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

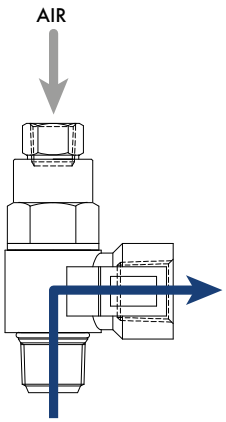
FEATURES

They are also used as stop valves, mounted directly on the cylinders to block stem travel in the event of a pilot pressure drop. They ensure that the stem is blocked in the event of a tube breakage or lack of air and can be used to block the stem in intermediate positions depending on the application.

CONSTRUCTION DETAILS



PILOTING



TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/8"	1/4"	3/8"	1/2"
Nm	7	12	22	28

TIGHTENING TORQUE
PARALLEL GAS BSPP ISO 228 & METRIC ISO 262

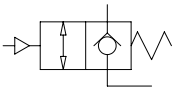
THREAD	1/8"	1/4"	3/8"	1/2"
Nm	10	15	25	40

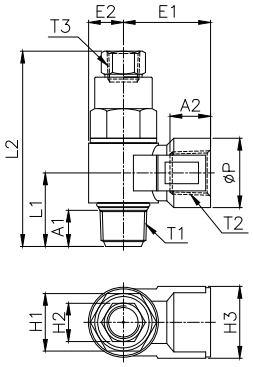
drawings and technical data are not binding & can be changed without notice

PVSF-R

Pilot check valve, BSPT thread





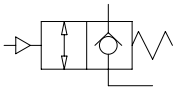


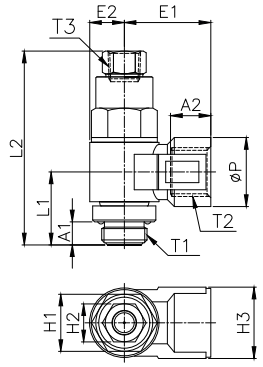
CODE	ØP	T1	A1	T2	A2	T3	L1	L2	E1	E2	H1	H2	H3	g
PVSF-R01	14,5	R 1/8"	7,6	R 1/8"	10,0	M5x0,8	15,4	40,8	18,2	7,3	12	8	15	34,5
PVSF-R02	18,0	R 1/4"	10,6	R 1/4"	13,0	R 1/8"	21,1	48,9	26,5	9,5	17	12	19	74,6
PVSF-R03	23,0	R 3/8"	12,6	R 3/8"	14,5	R 1/8"	24,8	56,7	30,8	11,6	20	12	24	123,4
PVSF-R04	26,5	R 1/2"	14,5	R 1/2"	19,0	R 1/4"	31,0	70,6	38,7	14,0	24	17	28	207,2

PVSF-G

Pilot check valve, BSPP thread



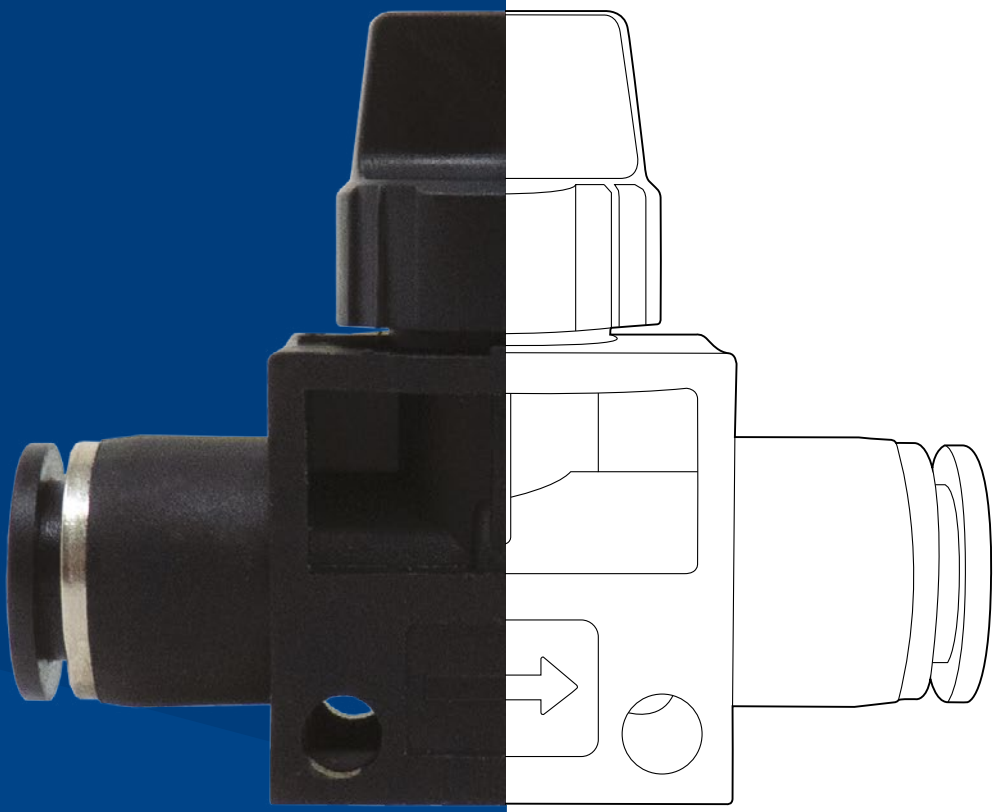




CODE	ØP	T1	T2	T3	A1	A2	L1	L2	E1	E2	H1	H2	H3	g
PVSF-G01	14,5	G 1/8"	G 1/8"	M5x0,8	5,1	9,5	16,2	40,8	17,7	7,3	12	8	15	35,4
PVSF-G02	18,0	G 1/4"	G 1/4"	G 1/8"	6,6	12,5	21,3	48,9	26,0	9,5	17	12	19	77,3
PVSF-G03	23,0	G 3/8"	G 3/8"	G 1/8"	7,2	14,0	24,8	56,7	30,3	11,6	20	12	24	127,7
PVSF-G04	26,5	G 1/2"	G 1/2"	G 1/4"	8,7	18,5	29,6	70,6	38,2	14,0	24	17	28	218,8

drawings and technical data are not binding & can be changed without notice

HAND VALVES



TECHNICAL INDEX



p. 397

SLIDE VALVES

Materials: Chromed brass
Pressure: from 0 to 10 Bar
Temperature: from -5°C to 70°C
Range: M5 to G3/4" (1610)
G1/4" to G1/2" (1605)
N1/8" to N1/2" (1620)



p. 403

WTR SERIES VALVES

Materials: Nickel-plated brass and PBT
Pressure: from 0 to 10 Bar
Temperature: from 0°C to 60°C
Range: Ø6 - Ø12 / R1/8" to R1/2"
Ø6 - Ø12 / G1/8" to G1/2"



p. 411

DUALTECH VALVES

Materials: POM and PVDF
Pressure: from 0 to 16 Bar
Temperature: from -20°C to 90°C
Range: R1/4"



p. 415

TRIOTECH VALVES

Materials: Polypropylene + 30% GF
Pressure: from 0 to 10 Bar
Temperature: from -5°C to 60°C
Range: R1/8" to R1/4"



p. 419

FLUIDFIT VALVES

W270 KTW

Materials: POM
Pressure: from 0 to 20 Bar
Temperature: from -20°C to 98°C
Range: Ø6 - Ø12 (HBVU)
Ø10 / R3/8" (HBVL-R)

disegni e dati tecnici non sono vincolanti e possono essere modificati senza preavviso

HAND VALVES SLIDE VALVES

PLUS

- SIMPLE AND INTUITIVE TO USE
- ALLOWS TO CLOSE AND DISCHARGE THE PRESSURE DOWNSTREAM
- WIDE RANGE AVAILABLE
- AVAILABLE WITH SAFETY SYSTEM WHICH PREVENTS ACCIDENTAL OPERATIONS IN CASE OF VIBRATIONS

HAND VALVES / SLIDE VALVES



p. 400 / **1610**

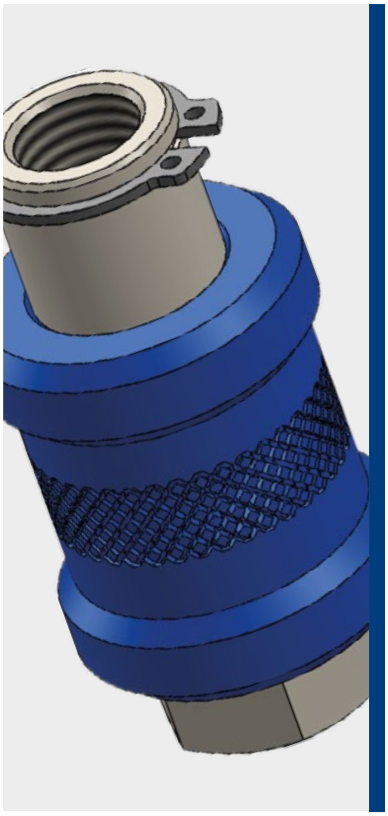


p. 400 / **1620**

HAND VALVES / SLIDE VALVES WITH SECURITY BLOCK



p. 402 / **1605**



-5°C ÷ 70°C

Working pressure:
from 0 to 10 Bar

Compressed air, lubricated compressed air, various gases suitable with construction materials (gases which when discharged into the atmosphere are not dangerous to persons or property)

- Parallel gas BSPP ISO 228
  from G1/8" to G3/4" (1610)
- NPT
  from N1/8" to N1/2" (1620)

Body: Chromed brass CW614N

Slider: Blue anodized aluminium

Seal: NBR 70

Elastic ring: Stainless steel

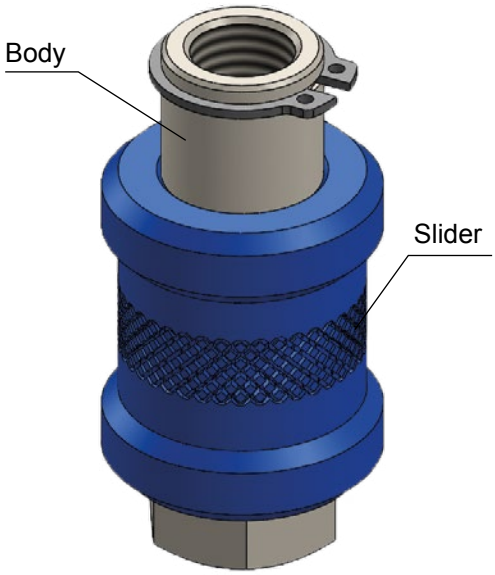
FLOW DIRECTION

Flow direction indication engraved on the valve body

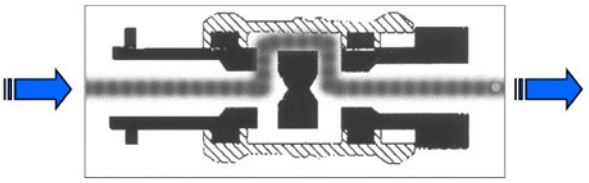
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

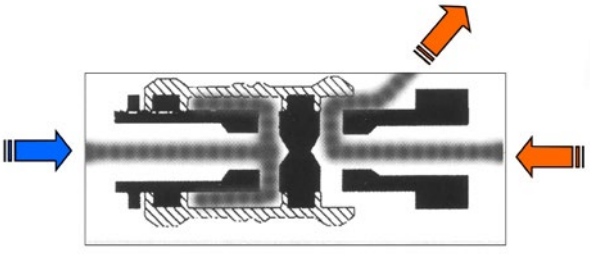
CONSTRUCTION DETAILS



FLOW DIRECTION



Slide in OPEN position



Slide in CLOSED position

AIR FLOW RATE

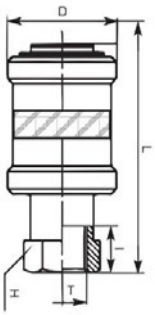
SLIDE VALVE - 1610

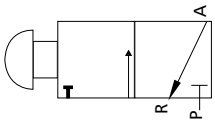
FLOW	M5x0,8	1/8"	1/4"	3/8"	1/2"	3/4"
Nl/min	100	680	1300	2100	3800	5700

1610

Slide valve BSPP & metric thread





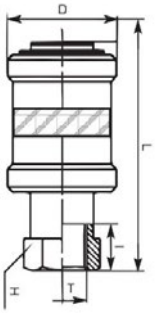


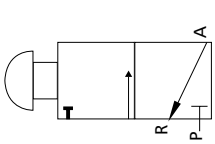
CODE	T	D	I	L	H	g
1610TRM5	M5x0,8	14	5,0	30,5	10	11
1610TR18	G 1/8"	25	9,0	48,0	14	51
1610TR14	G 1/4"	30	11,5	58,0	19	98
1610TR38	G 3/8"	35	12,0	70,0	22	156
1610TR12	G 1/2"	40	15,0	75,0	27	212
1610TR34	G 3/4"	50	16,5	83,0	32	317

1620

Slide valve NPT thread







CODE	T	D	I	L	H	g
1620TR18	N 1/8"	25	8	55,5	14	51
1620TR14	N 1/4"	30	11	69,0	19	98
1620TR38	N 3/8"	35	12	81,5	22	156
1620TR12	N 1/2"	40	15	90,0	27	212



-5°C ÷ 70°C

Working pressure:
from 0 to 10 Bar

Compressed air, lubricated compressed air, various gases suitable with construction materials (gases which when discharged into the atmosphere are not dangerous to persons or property)

Parallel gas BSPP ISO 228
from G1/4" to G1/2"

Body: Chromed brass CW614N
Slider: Red painted aluminium
Seal: NBR 70
Elastic ring: Stainless steel AISI 302
Cursor: Chromed brass
Spring: Stainless steel AISI 302

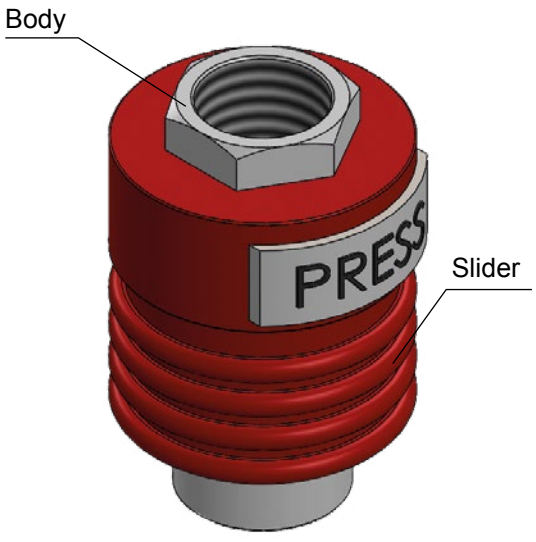
FLOW DIRECTION

Flow direction indication engraved on the valve body

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

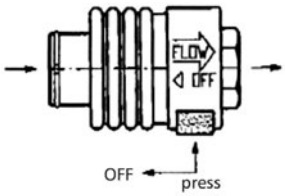
CONSTRUCTION DETAILS



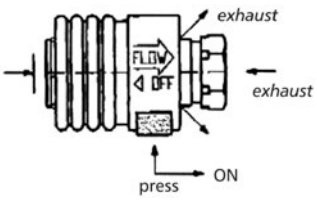
SAFETY

The double locking system is designed to prevent the valve from closing or opening accidentally.

Open



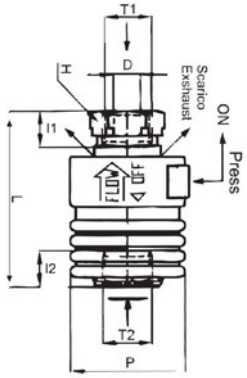
Closed

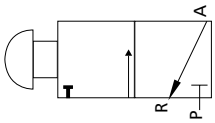


1605

Slide valves with security block BSPP thread







CODE	T1	T2	L	I1	I2	D	P	H	g
1605TR14	G 1/4"	G 1/4"	46,0	9,5	9,5	8	30	17	86,0
1605TR38	G 3/8"	G 3/8"	52,0	10,5	10,5	10	35	21	127,0
1605TR12	G 1/2"	G 1/2"	62,0	12,0	12,0	12,5	40	26	204,0

HAND VALVES
WTR SERIES VALVES

PLUS

- COMPACT AND EXTREMLY LIGHT
- GREAT VACUUM RESISTANCE
- AVAILABLE IN VARIOUS CONFIGURATIOS
- ALLOWS TO CLOSE AND DISCHARGE THE PRESSURE DOWNSTREAM



p. 406 / **WTRFS-R**



p. 406 / **WTRFS-G**



p. 407 / **WTRSF-R**



p. 407 / **WTRSF-G**



p. 408 / **WTRSS-R**



p. 408 / **WTRSS-G**



p. 409 / **WTRFF**



0°C ÷ 60°C

Working pressure:
from 0 to 10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & vacuum
(do not use with water)

- Taper gas BSPT ISO 7
  from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228
  from G1/8" to G1/2" with o-ring

Polyamide PA, Polyurethane PU

AVAILABILITY

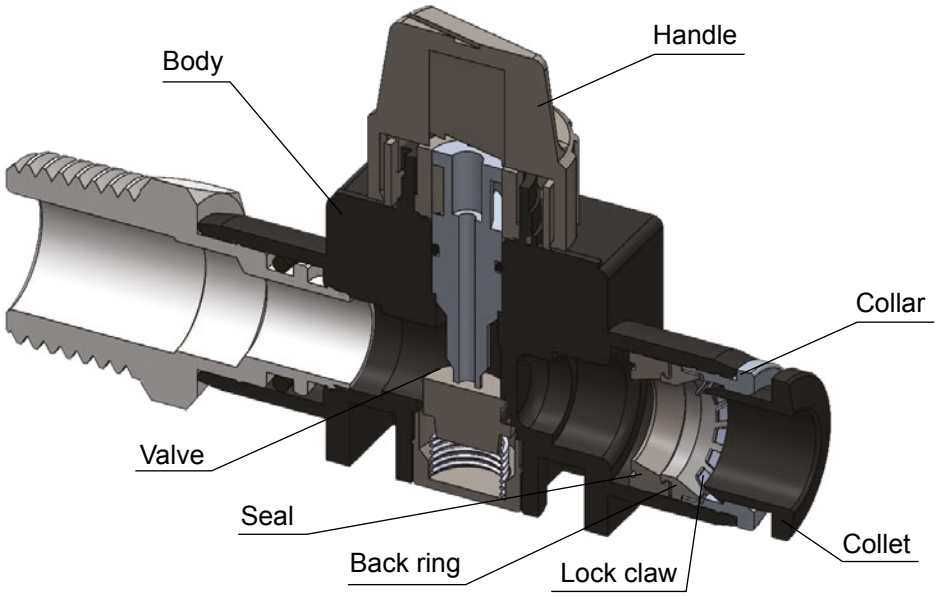
Available in 2-way version (with blue handle)

Body: Nickel-plated brass and PBT
Lock claw: Stainless steel AISI 301
Seal: NBR silicone free
Collet: POM
Valve: POM
Handle: POM (Black)
Back ring: POM
Collar: Nickel-plated zinc

Products in compliance with EC Regulation 1907/2006

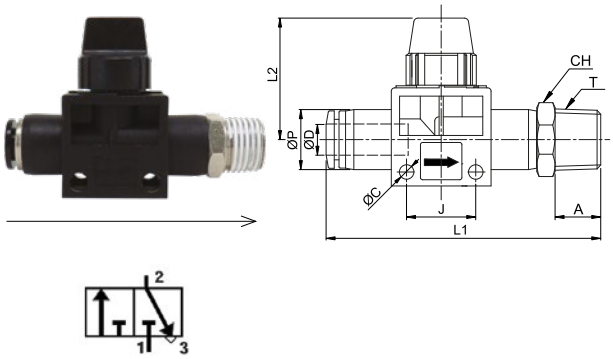
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



WTRFS-R

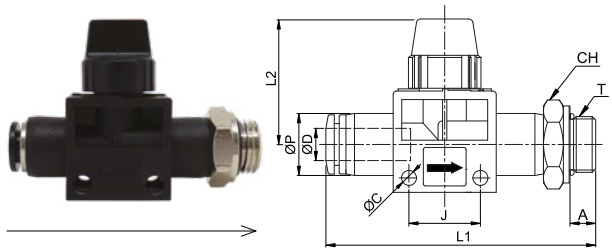
Male hand valve BSPT thread, flow tube-thread

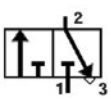


CODE	ØD	T	ØP	ØC	A	L1	L2	J	CH
WTRFS06R01	6	R 1/8"	14,5	4,2	7	58,3	29,5	16,5	14
WTRFS06R02		R 1/4"	14,5	4,2	9,5	60,8	29,5	16,5	14
WTRFS06R03		R 3/8"	14,5	4,2	10,5	62,3	29,5	16,5	17
WTRFS08R01	8	R 1/8"	14,5	4,2	7	59,4	29,5	16,5	17
WTRFS08R02		R 1/4"	14,5	4,2	9,5	61,9	29,5	16,5	17
WTRFS08R03		R 3/8"	14,5	4,2	10,5	62,9	29,5	16,5	17
WTRFS10R02	10	R 1/4"	20,9	4,2	9,5	73,8	31	21,5	20
WTRFS10R03		R 3/8"	20,9	4,2	10,5	74,8	31	21,5	20
WTRFS10R04		R 1/2"	20,9	4,2	13,5	77,8	31	21,5	21
WTRFS12R02	12	R 1/4"	20,9	4,2	9,5	73,4	31	21,5	21
WTRFS12R03		R 3/8"	20,9	4,2	10,5	74,4	31	21,5	21
WTRFS12R04		R 1/2"	20,9	4,2	13,5	77,4	31	21,5	21

WTRFS-G

Male hand valve BSPP thread, flow tube-thread

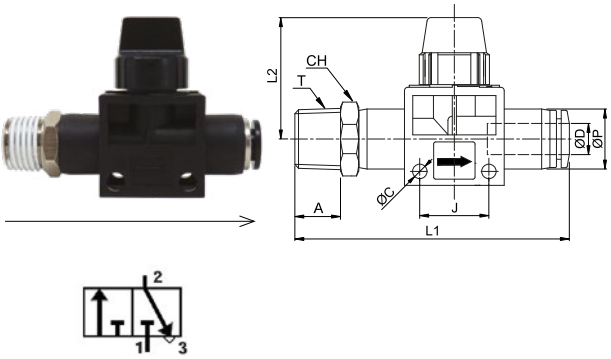




CODE	ØD	T	ØP	ØC	A	L1	L2	J	CH
WTRFS06G01	6	G 1/8"	14,5	4,2	5	57,8	29,5	16,5	14
WTRFS06G02		G 1/4"	14,5	4,2	5,8	59,1	29,5	16,5	14
WTRFS06G03		G 3/8"	14,5	4,2	6,8	60,6	29,5	16,5	17
WTRFS08G01	8	G 1/8"	14,5	4,2	5	58,9	29,5	16,5	17
WTRFS08G02		G 1/4"	14,5	4,2	5,8	59,7	29,5	16,5	17
WTRFS08G03		G 3/8"	14,5	4,2	6,8	61,2	29,5	16,5	20
WTRFS10G02	10	G 1/4"	20,9	4,2	5,8	72,1	31	21,5	20
WTRFS10G03		G 3/8"	20,9	4,2	6,8	73,1	31	21,5	20
WTRFS10G04		G 1/2"	20,9	4,2	8	74,8	31	21,5	24
WTRFS12G02	12	G 1/4"	20,9	4,2	5,8	71,7	31	21,5	21
WTRFS12G03		G 3/8"	20,9	4,2	6,8	72,7	31	21,5	21
WTRFS12G04		G 1/2"	20,9	4,2	8	74,4	31	21,5	24

WTRSF-R

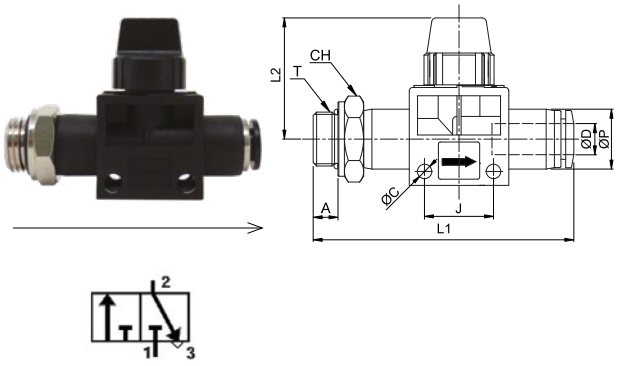
Male hand valve BSPT thread, flow thread-tube



CODE	ØD	T	ØP	ØC	A	L1	L2	J	CH
WTRSF06R01	6	R 1/8"	14,5	4,2	7	58,3	29,5	16,5	14
WTRSF06R02		R 1/4"	14,5	4,2	9,5	60,8	29,5	16,5	14
WTRSF06R03		R 3/8"	14,5	4,2	10,5	62,3	29,5	16,5	17
WTRSF08R01	8	R 1/8"	14,5	4,2	7	59,4	29,5	16,5	17
WTRSF08R02		R 1/4"	14,5	4,2	9,5	61,9	29,5	16,5	17
WTRSF08R03		R 3/8"	14,5	4,2	10,5	62,9	29,5	16,5	17
WTRSF10R02	10	R 1/4"	20,9	4,2	9,5	73,8	31	21,5	20
WTRSF10R03		R 3/8"	20,9	4,2	10,5	74,8	31	21,5	20
WTRSF10R04		R 1/2"	20,9	4,2	13,5	77,8	31	21,5	21
WTRSF12R02	12	R 1/4"	20,9	4,2	9,5	73,4	31	21,5	21
WTRSF12R03		R 3/8"	20,9	4,2	10,5	74,4	31	21,5	21
WTRSF12R04		R 1/2"	20,9	4,2	13,5	77,4	31	21,5	21

WTRSF-G

Male hand valve BSPP thread, flow thread-tube

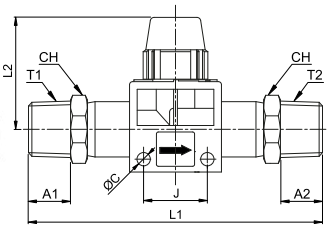


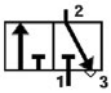
CODE	ØD	T	ØP	ØC	A	L1	L2	J	CH
WTRSF06G01	6	G 1/8"	14,5	4,2	5	57,8	29,5	16,5	14
WTRSF06G02		G 1/4"	14,5	4,2	5,8	59,1	29,5	16,5	14
WTRSF06G03		G 3/8"	14,5	4,2	6,8	60,6	29,5	16,5	17
WTRSF08G01	8	G 1/8"	14,5	4,2	5	58,9	29,5	16,5	17
WTRSF08G02		G 1/4"	14,5	4,2	5,8	59,7	29,5	16,5	17
WTRSF08G03		G 3/8"	14,5	4,2	6,8	61,2	29,5	16,5	20
WTRSF10G02	10	G 1/4"	20,9	4,2	5,8	72,1	31	21,5	20
WTRSF10G03		G 3/8"	20,9	4,2	6,8	73,1	31	21,5	20
WTRSF10G04		G 1/2"	20,9	4,2	8	74,8	31	21,5	24
WTRSF12G02	12	G 1/4"	20,9	4,2	5,8	71,7	31	21,5	21
WTRSF12G03		G 3/8"	20,9	4,2	6,8	72,7	31	21,5	21
WTRSF12G04		G 1/2"	20,9	4,2	8	74,4	31	21,5	24

WTRSS-R

Male hand valve BSPT thread, flow thread-thread





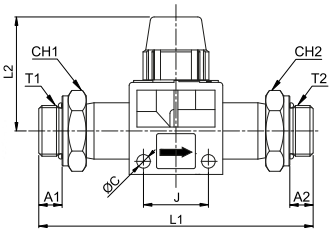


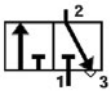
CODE	T1	T2	ØC	A1	A2	L1	L2	J	CH1	CH2
WTRSS01R01	R 1/8"	R 1/8"	4,2	7	7	65	29,5	16,5	14	14
WTRSS02R02	R 1/4"	R 1/4"	4,2	9,5	9,5	70	29,5	16,5	14	14
WTRSS03R03	R 3/8"	R 3/8"	4,2	10,5	10,5	74	29,5	16,5	17	17
WTRSS04R04	R 1/2"	R 1/2"	4,2	13,5	13,5	90,5	31	21,5	21	21
REDUCED MALE HAND VALVE BSPT THREAD, FLOW THREAD-THREAD										
WTRSS02R01	R 1/4"	R 1/8"	4,2	9,5	7	67,5	29,5	16,5	14	14
WTRSS03R02	R 3/8"	R 1/4"	4,2	10,5	9,5	73	29,5	16,5	17	17
WTRSS04R03	R 1/2"	R 3/8"	4,2	13,5	10,5	87,5	31	21,5	21	21

WTRSS-G

Male hand valve BSPP thread, flow thread-thread





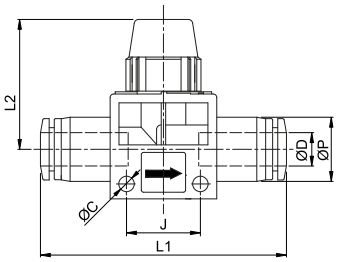


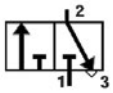
CODE	T1	T2	ØC	A1	A2	L1	L2	J	CH1	CH2
WTRSS01G01	G 1/8"	G 1/8"	4,2	5	5	64	29,5	16,5	14	14
WTRSS02G02	G 1/4"	G 1/4"	4,2	5,8	5,8	66,6	29,5	16,5	17	17
WTRSS03G03	G 3/8"	G 3/8"	4,2	6,8	6,8	70,6	29,5	16,5	20	20
WTRSS04G04	G 1/2"	G 1/2"	4,2	8	8	84,5	31	16,5	24	24
REDUCED HAND VALVE BSPP THREAD, FLOW THREAD-THREAD										
WTRSS02G01	G 1/4"	G 1/8"	4,2	5,8	5	65,3	29,5	16,5	17	14
WTRSS03G02	G 3/8"	G 1/4"	4,2	6,8	5,8	69,6	29,5	16,5	20	17
WTRSS04G03	G 1/2"	G 3/8"	4,2	8	6,8	82,8	31	21,5	24	20

WTRFF

Union hand valve, flow tube-tube







CODE	ØD	ØP	ØC	L1	L2	J
WTRFF0606	6	14,5	4,2	51,6	29,5	16,5
WTRFF0808	8	14,5	4,2	52,8	29,5	16,5
WTRFF1010	10	20,9	4,2	65,1	31	21,5
WTRFF1212	12	20,9	4,2	64,3	31	21,5

TierreGroup®

Always a fittings solution



FOLLOW US!

HAND VALVES DUALTECH VALVES

PLUS

- LIMITED PRESSURE LOSSES
- SIMPLE AND FAST TO INSTALL
- ECO-FRIENDLY AND NON-TOXIC
- EXCELLENT CHEMICAL RESISTANCE IN PVDF VERSION
- WIDE RANGE OF TEMPERATURES IN PVDF VERSION



p. 413 / **9020**



p. 414 / **9020-PVDF**



-20°C ÷ 90°C

Working pressure:
from 0 to 16 Bar

Water and fluids suitable with construction materials

Taper gas BSPT ISO 7
R1/4"

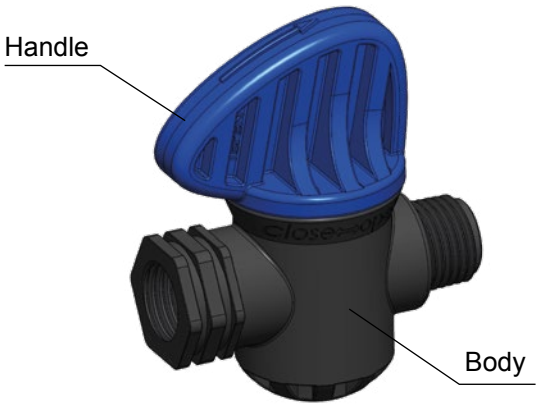
Body: POM
Handle: POM
O-ring: NBR

Product certified WRAS water contact materials

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



HANDLE

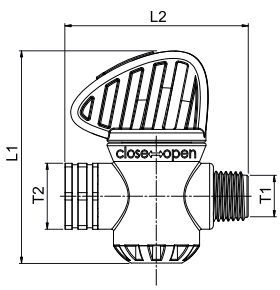
Two-position handle: opening and closing



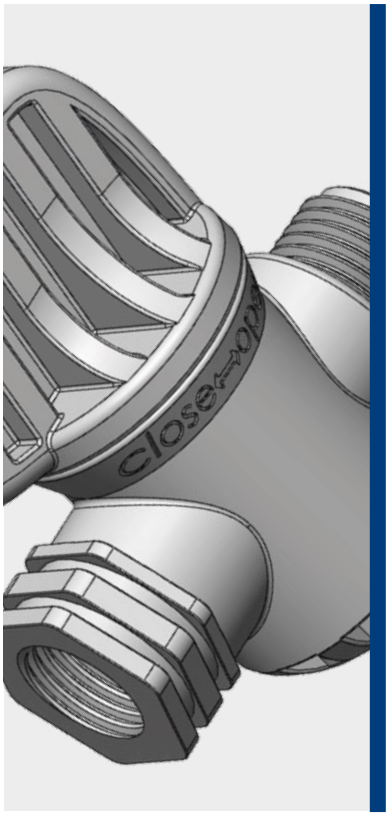
9020

Two-way valve in POM M/F, BSPT thread





CODE	T1	T2	L1	L2	g
9020TR14	R 1/4"	R 1/4"	57,6	51,2	70,0



-20°C ÷ 110°C

Working pressure:
from 0 to 16 Bar

Water and fluids suitable with construction materials

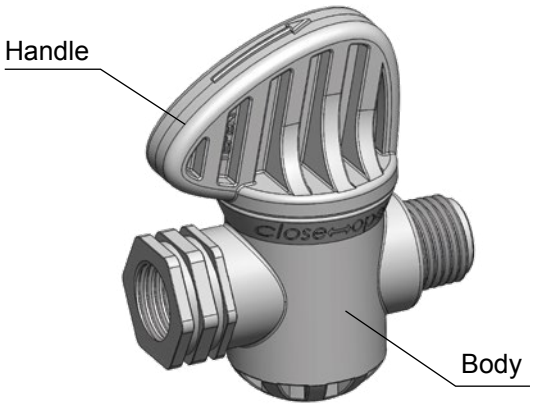
Taper gas BSPT ISO 7
R1/4"

Body: PVDF
Handle: PVDF
O-ring: Viton

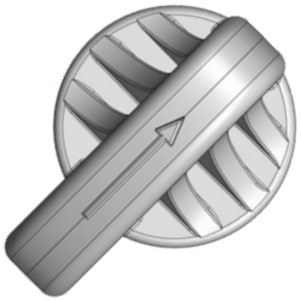
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



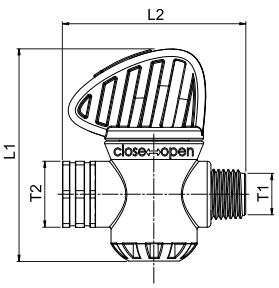
HANDLE
Two-position handle: opening and closing



9020-PVDF

Two-way valve in PVDF M/F, BSPT thread





CODE	T1	T2	L1	L2	g
9020TR14-PVDF	R 1/4"	R 1/4"	59,0	51,8	36,0

drawings and technical data are not binding & can be changed without notice

HAND VALVES TRIOTECH VALVES

PLUS

GOOD RESISTANCE TO AGGRESSIVE FLUIDS

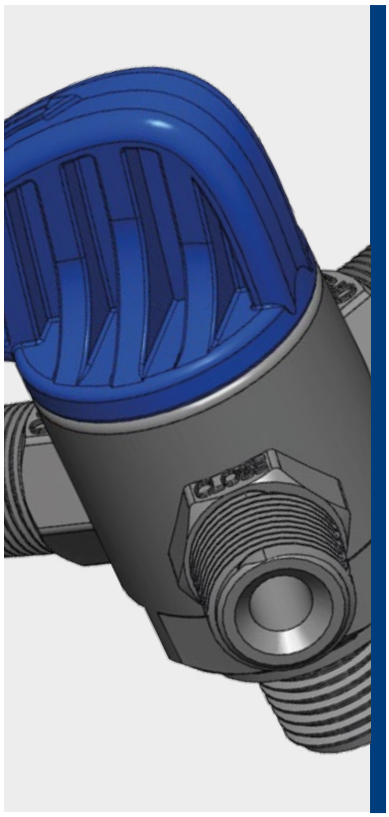
SUITABLE FOR APPLICATIONS ON FILTRATION PLANTS



p. 418 / **9030**



p. 418 / **9031**



-5°C ÷ 60°C

Working pressure:
from 0 to 16 Bar

Water and fluids suitable with construction materials

FLOW DROP

12 % approximated

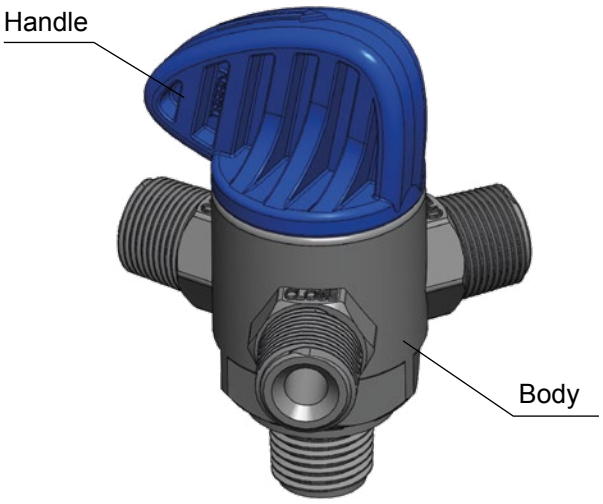
Taper gas BSPT ISO 7
R1/8" and R1/4"

Body: Polypropylene
Handle: Polypropylene
Nut: Polypropylene
O-ring: EPDM

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



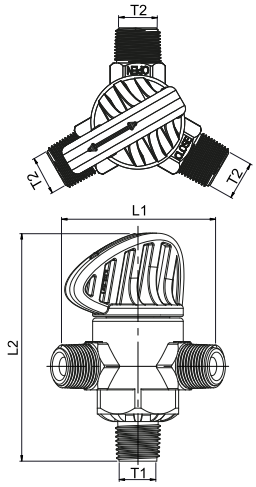
HANDLE
Three-position handle.
In the intermediate positions the valve is totally closed.



9030

Triotech polypropylene valve, male BSPT thread



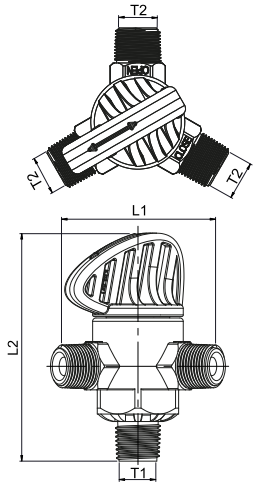


CODE	T1	T2	L1	L2	g
9030TR18	R 1/4"	R 1/8"	49,7	68,3	70,0
9030TR14	R 1/4"	R 1/4"	52,0	68,3	70,0

9031

Triotech polypropylene valve, BSPT thread for 8/5.5 tubes





CODE	T1	T2	L1	L2	g
9031TR8	R 1/4"	8/5,5	51,7	58,8	70,0

HAND VALVES FLUIDFIT VALVES

D.M. 174

W270 KTW

PLUS

- SUITABLE FOR AIR AND FLUIDS USES
- COMPACT SIZE, CAN BE USED IN LIMITED SPACES
- FULL PASSAGE TO ENSURE AN EXCELLENT FLOW RATE
- IDEAL FOR WATER TREATMENT IN VENDING SECTORS



p. 422 / **HBVU**



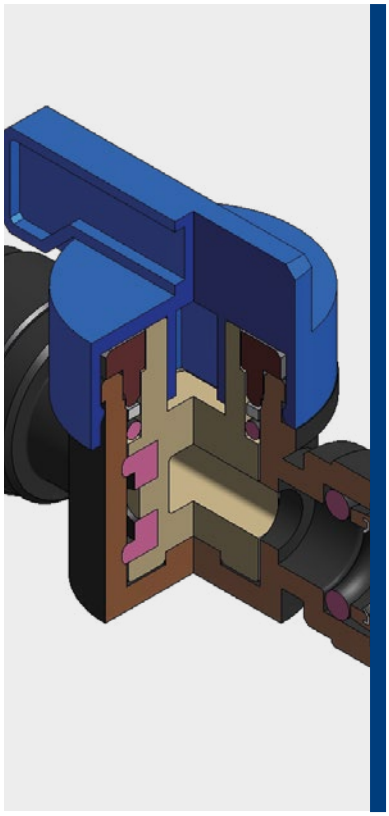
p. 422 / **HBVL-R**



p. 422 / **HBVU-S**



p. 422 / **HMCP**



Dry air: -20°C ÷ 90°C
Air & Fluids: 1°C ÷ 90°C
The maximum recommended working temperature for continuous use is 65°C and 90°C for a maximum use of 5 minutes.

Working pressure:
Up to 10 Bar
From 0 to 8 Bar with dry air
Negative pressure:
- 0,95 Bar (- 95 Kpa)
Data depend from the tubes and temperature

Potable water, beverages, vacuum, compressed air, selected gases and liquids, compatible fluids with construction materials

Polyethylene PE, polyamide PA, polyurethane PU, PTFE, FEP
Tubes made of light metals: Brass, copper and mild steel
Tubes made of hard materials: See page 84 for information on the use of hard material tubes

HBVL-R:
Taper gas BSPT ISO 7 R3/8"

Body: POM
Collet: POM
Lock claw: Stainless steel AISI 301
Seal: EPDM suitable for food contact
Handle: POM
Shaft: POM

Food contact materials EC 1935/2004

D.M. 174/2004

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS

NSF51
NSF61

W270 DVGW - W270

KTW KTW guidelines for cold water at 23°C

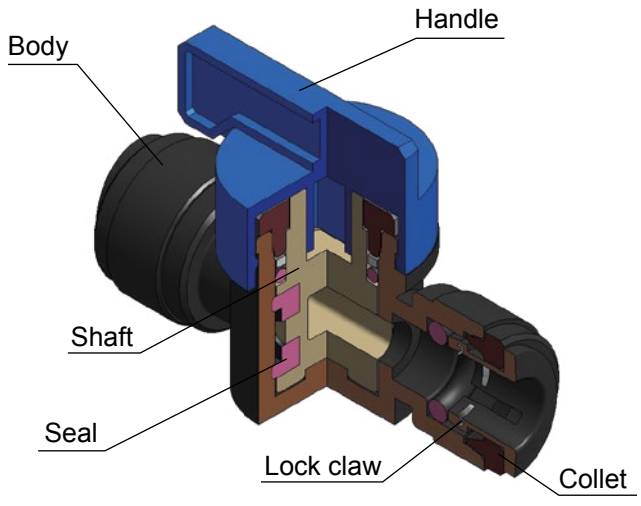
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

INSERTION - METRIC TUBE

Ø TUBE (mm)	6	8	10	12
TUBE INSERTION LENGTH (mm)	15,5	17,5	20,1	24,7

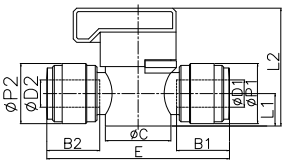
CONSTRUCTION DETAILS

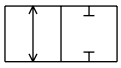


HBVU

Two-ways union hand valve, flow tube-tube





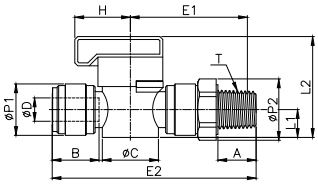


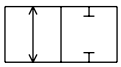
CODE	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E	ØC	g
HBVU0606B	6	6	16,1	16,1	15,5	15,5	9,5	34,5	51,7	19,2	16
HBVU0808B	8	8	17,5	17,5	17,6	17,6	9,5	34,5	53,5	19,2	17,4
HBVU1010B	10	10	20,1	20,1	20,0	20,0	12,5	42,3	63,0	24,2	29
HBVU1212B	12	12	23,7	23,7	23,0	23,0	12,5	42,3	70,4	24,2	35,4

HBVL-R

Two-ways hand valve BSPT thread, flow tube-thread





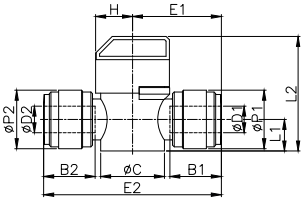


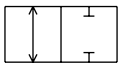
CODE	ØD	T	B	A	ØP1	ØP2	L1	L2	E1	E2	H	ØC	g
HBVL10R03B	10	R 3/8"	20,1	13,5	20	23	12,5	42,3	48,3	79,8	26,3	24,2	34,3

HBVU-S

Two-ways union hand valve with short handle, flow tube-tube





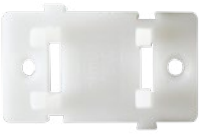


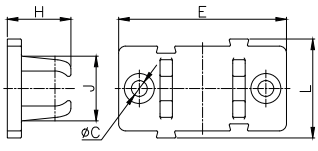
CODE	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E1	E2	H	ØC	g
HBVU-S0606B	6	6	16,1	16,1	15,5	15,5	9,5	34,5	25,9	51,7	11,1	19,2	15,8
HBVU-S0808B	8	8	17,5	17,5	17,6	17,6	9,5	34,5	26,8	53,5	11,1	19,2	17,2
HBVU-S1010B	10	10	20,1	20,1	20,0	20,0	12,5	42,3	31,5	63,0	13,7	24,2	28,6
HBVU-S1212B	12	12	23,7	23,7	23,0	23,0	12,5	42,3	35,2	70,4	13,7	24,2	35,0

HBVU-S: to be used with HMCP brackets

HMCP

Modular brackets







CODE	E	L	H	J	ØC	g
HMCP06-1/4	47,5	28,0	18,0	18,3	4,5	3,8
HMCP10-3/8	55,2	34,0	22,0	22,0	4,5	6,3

HMCP06-1/4: compliant with HBVU-S Ø6
HMCP10-3/8: compliant with HBVU-S Ø10

SIZES	WHITE	BLACK	GREY
06-1/4	HMCP06-1/4W	HMCP06-1/4B	HMCP06-1/4G
10-3/8	HMCP10-3/8W	HMCP10-3/8B	HMCP10-3/8G

ACCESSORIES & AIR GUNS



TECHNICAL INDEX



p. 425
SILENCERS



p. 435
DISTRIBUTION MANIFOLDS



p. 441
PRESSURE GAUGES



p. 451
TANKS
PED



p. 455
SEALING FOR THREADED ELEMENTS



p. 467
AIR GUN - CAF



p. 471
AIR GUN - CB WITH HIGH FLOWRATE



p. 475
AIR GUN - ALUMINUM PSF



p. 479
UGPT-7 BLOW COMB COMPRESSED AIR

ACCESSORIES & AIR GUNS SILENCERS

PLUS

WIDE TEMPERATURE RANGE THANKS TO MULTIPLE CONSTRUCTION MATERIALS

FILTRATION DEGREES BETWEEN 5 AND 120 NM RESULT SUITABLE FOR PNEUMATIC APPLICATIONS

CONSTRUCTION QUALITY GUARANTEED BY RAW MATERIALS USED AND THE METICOLOUS CONTROLS PERFORMED

EXCELLENT NOISE REDUCTION IN AUTOMATIC SYSTEMS

ALSO USED FOR SAFETY APPLICATIONS IN PNEUMATIC EQUIPMENT



p. 428 / **6100**



p. 428 / **6150**



p. 428 / **6200**



p. 428 / **6250**



p. 429 / **6300**



p. 429 / **6350**



p. 429 / **6400**



p. 429 / **6450**



p. 430 / **6500**



p. 430 / **6550**



p. 430 / **6600**



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p. 431 / **6655**



p. 431 / **6670**



p. 431 / **6700**



p. 431 / **6750**



p. 432 / **6780**



p. 432 / **6820**



p. 432 / **6850**



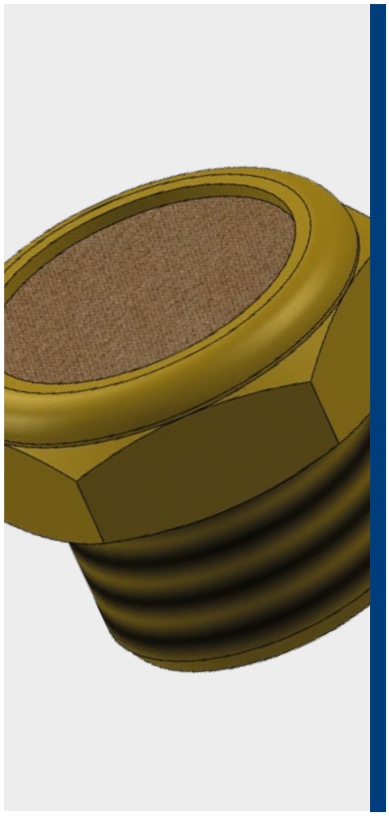
p. 432 / **6880**



p. 433 / **6882**



p. 433 / **6885**



-20°C ÷ 80°C
-10°C ÷ 80°C (6650)
-10°C ÷ 50°C (6700 & 6750)
-40°C ÷ 200°C (6885)
-20°C ÷ 300°C (6880 & 6882)

Working pressure:
10 Bar
6 Bar (6700, 6750 and 6780)

Compressed air

NOISE LEVEL
Noise level in dB 4 & 6 Bar, indicated in the tables.

- Parallel gas BSPP ISO 228
  from G1/8" to G1"
- Metric ISO 262
  M5
- NPT
  from N1/8" to N1"

6100, 6150, 6550, 6600: Sintered spherical bronze on copper-plated steel hexagonal base

6200, 6250, 6300, 6350, 6400, 6650, 6670: Sintered spherical bronze on brass hexagonal base

6420, 6500: Stainless steel AISI 304 wire on brass base

6700, 6750: Acetal resin

6780, 6655: Polyethylene

6820: Stainless steel AISI 304 wire on nylon base

6850: Stainless steel AISI 304

6885: Stainless steel AISI 316

6880, 6882: Stainless steel AISI 316L

Products in compliance with EC Regulation 1907/2006

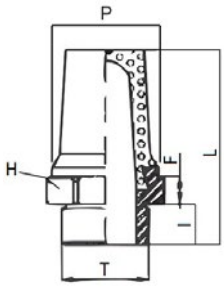
Products in compliance with the directive EU 2015/863

FEATURES
Silencers are use to reduce the noise levels in a pneumatic system, silencing the discharges of compressed air in the environment and reducing the valves noise during the operation.

6100

Sintered spherical bronze cone silencer on copper-plated steel hexagonal base



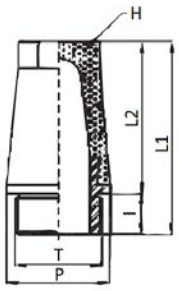


CODE	T	P	I	F	L	H	dB 4 Bar	dB 6 Bar	g
6100TRM5	M5x0,8	5,5	3,5	4,0	17,0	7	-	-	2,0
6100TR18	G 1/8"	10,5	4,5	3,8	21,0	12	76	79	6,0
6100TR14	G 1/4"	12,5	6,0	4,5	27,0	15	75	78	12,5
6100TR38	G 3/8"	17,0	7,0	5,4	35,0	19	81	82	23,0
6100TR12	G 1/2"	20,5	8,0	6,0	41,5	23	84	85	39,0
6100TR34	G 3/4"	26,5	9,0	7,5	54,0	30	90	94	78,5
6100TR1	G 1"	33,0	11,0	9,0	66,0	36	92	95	149,5

6150

Sintered spherical bronze silencer with hexagonal cone on round copper-plated steel base



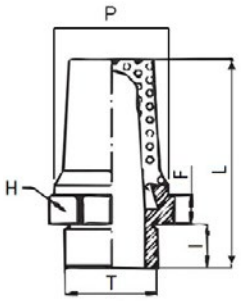


CODE	T	P	I	L1	L2	H	dB 4 Bar	dB 6 Bar	g
6150TR18	G 1/8"	11,5	4,5	22,5	18,0	8	77	80	6,5
6150TR14	G 1/4"	15,0	6,0	28,5	23,5	10	76	79	12,5
6150TR38	G 3/8"	19,0	7,0	36,0	29,0	13	82	83	23,5
6150TR12	G 1/2"	23,0	8,0	44,0	36,0	15	84	85	39,0
6150TR34	G 3/4"	30,0	9,0	56,0	47,0	19	91	95	77,5
6150TR1	G 1"	37,0	11,0	69,0	58,0	24	92	95	139,0

6200

Sintered spherical bronze silencer with rebated cone on brass hexagonal base



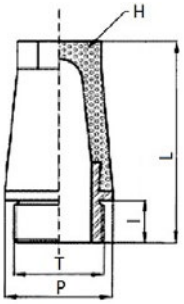


CODE	T	P	I	F	L	H	dB 4 Bar	dB 6 Bar	g
6200TRM5	M5x0,8	4,0	3,5	3,0	17,0	8	-	-	2,5
6200TR18	G 1/8"	8,5	6,0	4,0	26,0	13	70	75	9,5
6200TR14	G 1/4"	10,5	8,0	5,0	34,0	16	75	81	16,5
6200TR38	G 3/8"	13,0	8,0	5,0	41,0	19	78	82	26,5
6200TR12	G 1/2"	18,0	10,0	6,0	46,0	24	81	85	46,5
6200TR34	G 3/4"	25,5	10,0	6,0	56,0	30	83	-	81,5
6200TR1	G 1"	30,5	10,0	6,0	66,0	36	84	-	134,0

6250

Sintered spherical bronze silencer with hexagonal cone head rebated on circular brass base





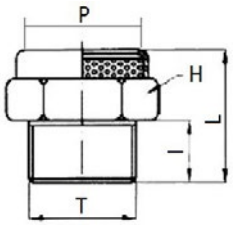
CODE	T	P	I	L	H	dB 4 Bar	dB 6 Bar	g
6250TR18	G 1/8"	13,0	7,0	27,0	6,0	70	75	8,5
6250TR14	G 1/4"	16,0	8,0	30,0	7,0	75	81	13
6250TR38	G 3/8"	19,0	8,0	40,0	10,0	78	82	23
6250TR12	G 1/2"	24,0	10,0	46,0	13,0	81	85	40
6250TR34	G 3/4"	30,0	10,0	54,0	17,0	83	-	73,5
6250TR1	G 1"	38,0	10,0	61,0	22,0	84	-	145

drawings and technical data are not binding & can be changed without notice

6300

Sintered spherical bronze silencer with riveted pastille on brass hexagonal base



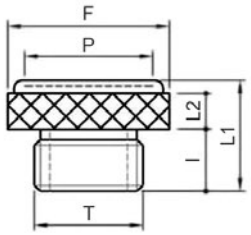


CODE	T	P	I	L	H	dB 4 Bar	dB 6 Bar	g
6300TRM5	M5x0,8	5,0	4,0	8,5	8	-	-	2,0
6300TR18	G 1/8"	9,0	6,0	12,0	13	70	73	6,5
6300TR14	G 1/4"	11,0	8,0	16,0	16	71	74	11,0
6300TR38	G 3/8"	14,0	8,0	17,0	19	83	85	16,5
6300TR12	G 1/2"	19,0	10,0	18,0	24	85	89	26,0
6300TR34	G 3/4"	25,0	10,0	19,0	30	87	89	39,5
6300TR1	G 1"	31,0	10,0	20,0	36	87	90	60,0

6350

Sintered spherical bronze silencer with riveted pastille on circular knurled brass base



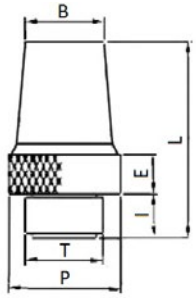


CODE	T	P	F	I	L1	L2	dB 4 Bar	dB 6 Bar	g
6350TR18	G 1/8"	8,0	13,0	7,0	13,0	4,0	70	73	7,0
6350TR14	G 1/4"	12,0	16,0	8,0	16,0	4,5	71	74	7,0
6350TR38	G 3/8"	15,0	19,0	8,0	14,0	5,0	83	85	10,0
6350TR12	G 1/2"	19,0	24,0	10,0	18,0	5,0	85	89	10,0
6350TR34	G 3/4"	24,0	30,0	10,0	18,0	5,0	87	89	12,0
6350TR1	G 1"	30,0	38,0	10,0	19,0	6,0	87	90	12,0

6400

Sintered spherical bronze silencer with rebated cone on circular knurled brass base



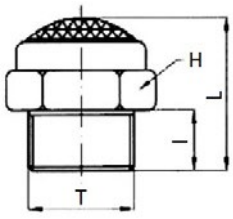


CODE	T	P	I	B	E	L	dB 4 Bar	dB 6 Bar	g
6400TR18	G 1/8"	13,0	7,0	8,5	4,0	27,0	70	75	9
6400TR14	G 1/4"	16,0	8,0	11,0	4,5	34,0	75	81	13,5
6400TR38	G 3/8"	19,0	8,0	14,0	5,0	41,0	78	82	23
6400TR12	G 1/2"	24,0	10,0	17,0	5,0	46,0	81	85	45
6400TR34	G 3/4"	30,0	10,0	21,0	5,0	56,0	83	-	80
6400TR1	G 1"	38,0	10,0	26,5	6,0	66,0	84	-	133,5

6450

Silencer with stainless steel AISI 304 wire mesh on brass hexagonal





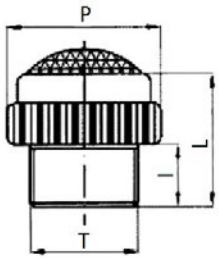
CODE	T	I	L	H	dB 4 Bar	dB 6 Bar	g
6450TRM5	M5x0,8	4,0	8,8	8,0	-	-	1,5
6450TR18	G 1/8"	6,0	15,0	13,0	70	74	6,0
6450TR14	G 1/4"	8,0	18,0	16,0	69	72	10,5
6450TR38	G 3/8"	8,0	20,0	19,0	85	88	16,5
6450TR12	G 1/2"	10,0	22,0	24,0	85	90	24,5
6450TR34	G 3/4"	10,0	26,0	30,0	86	90	37,0
6450TR1	G 1"	10,0	28,0	36,0	88	92	56,5

drawings and technical data are not binding & can be changed without notice

6500

Silencer with stainless steel AISI 304 wire mesh on circular knurled brass base



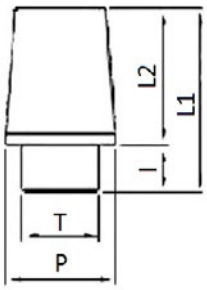


CODE	T	P	I	L	dB 4 Bar	dB 6 Bar	g
6500TR18	G 1/8"	13,0	7,0	14,0	70	74	5
6500TR14	G 1/4"	16,0	8,0	18,0	69	72	8,5
6500TR38	G 3/8"	19,0	8,0	20,0	85	88	13,5
6500TR12	G 1/2"	24,0	10,0	22,0	85	90	23,5
6500TR34	G 3/4"	30,0	10,0	24,0	86	90	30,5
6500TR1	G 1"	38,0	10,5	27,0	88	92	57,5

6550

Sintered spherical bronze cone silencer on circular copper-plated steel base



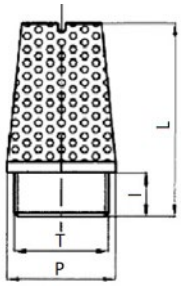


CODE	T	P	I	L1	L2	dB 4 Bar	dB 6 Bar	g
6550TR18	G 1/8"	11,5	4,5	21,0	16,5	68	60	6,0
6550TR14	G 1/4"	15,0	6,0	25,0	19,0	65	67	11,5
6550TR38	G 3/8"	19,0	7,0	34,5	27,5	74	77	24,0
6550TR12	G 1/2"	23,0	8,0	43,0	35,0	76	80	44,5
6550TR34	G 3/4"	30,0	9,0	50,0	41,0	80	84	73,0
6550TR1	G 1"	37,0	11,0	60,5	49,5	82	85	137,5

6600

Sintered spherical bronze silencer with screwdriver-cut cone on round copper-plated steel base



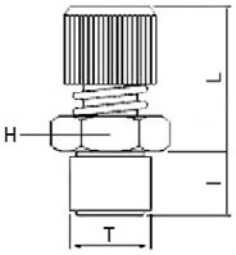


CODE	T	P	I	L	dB 4 Bar	dB 6 Bar	g
6600TR18	G 1/8"	11,5	4,5	22,0	68	70	6,0
6600TR14	G 1/4"	15,0	6,0	26,0	65	67	13,0
6600TR38	G 3/8"	19,0	7,0	34,5	75	77	24,5
6600TR12	G 1/2"	23,0	8,0	43,0	76	80	42,0
6600TR34	G 3/4"	30,0	9,0	50,0	80	84	75,0
6600TR1	G 1"	37,0	11,0	60,5	82	85	136,0

6650

Regulated silencer with sintered bronze pastille





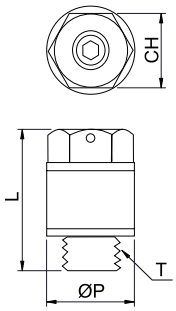
CODE	T	L MIN	L MAX	I	H	dB 4 Bar	dB 6 Bar	g
6650TR18	G 1/8"	20,0	22,0	6,0	13	69	72	16,0
6650TR14	G 1/4"	22,0	24,0	8,0	15	70	73	23,0
6650TR38	G 3/8"	25,0	28,0	10,0	22	82	84	48,0
6650TR12	G 1/2"	26,0	29,0	11,0	22	84	88	59,0

drawings and technical data are not binding & can be changed without notice

6655

Silencer with a regulated flow in polyethylene



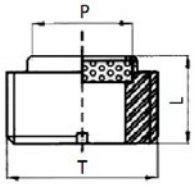


CODE	T	ØP	L	CH	dB 4 Bar	dB 6 Bar	g
6655TR18	G 1/8"	15	20,5	13	-	-	3,0
6655TR14	G 1/4"	18	29,0	15	-	-	6,0
6655TR38	G 3/8"	24	28,0	20	-	-	18,0
6655TR12	G 1/2"	30	50,0	25	-	-	45,0

6670

Sintered spherical bronze silencer with screwdriver



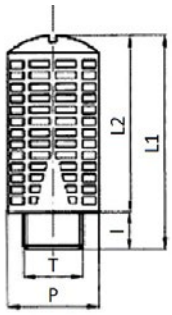


CODE	T	ØP	L	dB 4 Bar	dB 6 Bar	g
6670TR18	G 1/8"	6,0	5,0	69	72	1,37
6670TR14	G 1/4"	8,0	6,0	70	73	2,91
6670TR38	G 3/8"	10,0	7,0	82	84	6,33
6670TR12	G 1/2"	15,0	8,0	84	88	11,69
6670TR34	G 3/4"	20,0	9,0	85	88	14,56
6670TR1	G 1"	26,0	10,0	85	89	28,26

6700

Dynamic acetal resin silencer with balls



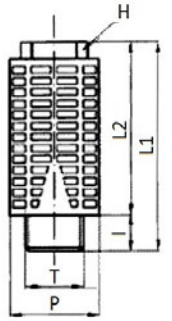


CODE	T	P	I	L1	L2	dB 4 Bar	dB 6 Bar	g
6700TR18	G 1/8"	15	6	32,5	26,5	84	87	4,0
6700TR14	G 1/4"	19,5	8	43	35	81	84	8,0
6700TR38	G 3/8"	24,5	11	58	47	83	90	18,0
6700TR12	G 1/2"	24,5	11	58	47	83	90	19,0
6700TR34	G 3/4"	48	18	115	97	85	91	115,0
6700TR1	G 1"	48	18	115	97	85	90	115,0

6750

Static acetal resin silencer with felt inside





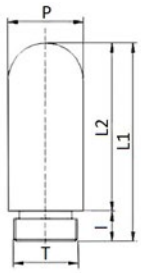
CODE	T	P	I	L1	L2	H	dB 4 Bar	dB 6 Bar	g
6750TR18	G 1/8"	16	6	34	28	10	85	87	4,0
6750TR14	G 1/4"	19	8	44	36	12	86	90	7,0
6750TR38	G 3/8"	24	10	56	47	16	87	92	14,0
6750TR12	G 1/2"	24	10	56	47	16	87	92	15,0

drawings and technical data are not binding & can be changed without notice

6780

Polyethylene silencer



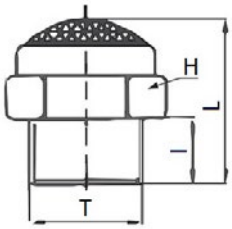


CODE	T	ØP	I	L1	L2	g
6780TRM5	M5x0,8	7,0	4,0	24,5	20,5	2,8
6780TR18	G 1/8"	13,0	7,5	32,5	25,0	3,7
6780TR14	G 1/4"	17,0	8,0	39,0	31,0	10,0
6780TR38	G 3/8"	25,0	11,0	65,0	54,0	13,5
6780TR12	G 1/2"	25,0	11,0	69,0	58,0	37,0
6780TR34	G 3/4"	37,0	15,5	138,0	122,5	47,0
6780TR1	G 1"	48,0	19,5	157,0	137,5	90,0

6820

Silencer with stainless steel AISI 304 wire mesh on nylon base



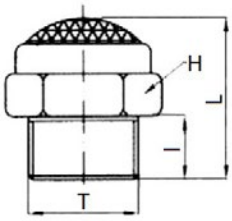


CODE	T	I	L	H	dB 4 Bar	dB 6 Bar	g
6820TR18	G 1/8"	6	15	13	70	74	1,5
6820TR14	G 1/4"	8	20	16	69	72	2,8
6820TR38	G 3/8"	8	20	19	85	88	4,5
6820TR12	G 1/2"	10	22	24	85	90	7,5

6850

Silencer with stainless steel AISI 304 wire mesh on an stainless steel AISI 304 hexagonal



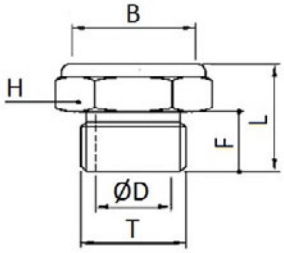


CODE	T	I	L	H	dB 4 Bar	dB 6 Bar	g
6850TR18	G 1/8"	6	15	13	70	74	5,0
6850TR14	G 1/4"	7	18	16	69	72	1,0
6850TR38	G 3/8"	8	20	19	85	88	1,5
6850TR12	G 1/2"	10	22	24	85	90	2,5
6850TR34	G 3/4"	10	26	30	86	90	4,0
6850TR1	G 1"	12	28	36	88	92	9,5

6880

Silencer with stainless steel AISI 316L mesh on stainless steel AISI 316L base - BSPP thread



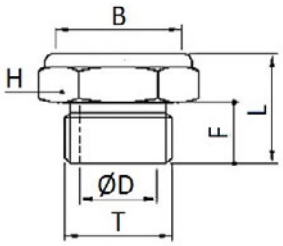


CODE	T	ØD	B	F	L	H	dB 4 Bar	dB 6 Bar	g
6880TR18	G 1/8"	6,0	10,0	8,0	15,0	14,0	-	-	8,0
6880TR14	G 1/4"	8,0	12,5	8,0	15,0	17,0	-	-	12,0
6880TR38	G 3/8"	12,0	17,5	10,0	18,0	22,0	-	-	20,0
6880TR12	G 1/2"	15,0	21,5	12,0	22,0	27,0	-	-	38,0
6880TR34	G 3/4"	20,0	28,0	15,0	27,0	32,0	-	-	62,0
6880TR1	G 1"	26,0	34,0	18,0	32,0	41,0	-	-	118,0

drawings and technical data are not binding & can be changed without notice

6882 Silencer with stainless steel AISI 316L mesh on stainless steel AISI 316L base - NPT thread

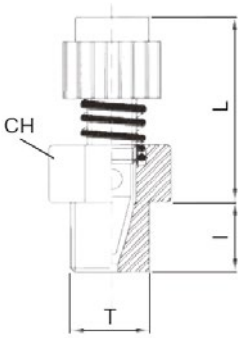




CODE	T	ØD	B	F	L	H	dB 4 Bar	dB 6 Bar	g
6882TR18	N 1/8"	6,0	9,0	7,0	14,0	14,0	-	-	8,0
6882TR14	N 1/4"	8,0	13,0	11,0	18,0	17,0	-	-	12,0
6882TR38	N 3/8"	12,0	18,0	11,0	18,0	22,0	-	-	20,0
6882TR12	N 1/2"	15,0	22,5	15,0	25,0	27,0	-	-	38,0
6882TR34	N 3/4"	20,0	28,0	16,0	27,0	32,0	-	-	62,0
6882TR1	N 1"	26,0	34,0	19,0	32,0	41,0	-	-	118,0

6885 Regulated silencer with stainless steel AISI 316 wire mesh on stainless steel AISI 316 hexagonal





CODE	T	I	L min	L max	CH	dB 4 Bar	dB 6 Bar
6885TR18	G 1/8"	6	20,0	22,0	13	69	72
6885TR14	G 1/4"	8	22,0	24,0	15	70	73



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p. 438 / **4150**

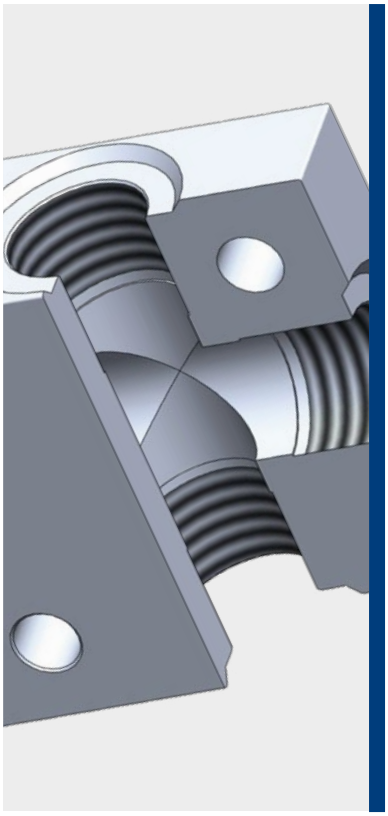


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DISTRIBUTION MANIFOLDS / STAINLESS STEEL AISI 304



p. 440 / **4150TRX**



-10°C ÷ 80°C

Working pressure:
20 Bar

Compressed air and fluids suitable with construction materials

- Parallel gas BSPP ISO 228 from G1/8" to G1/2"
- Metric ISO 262 M5

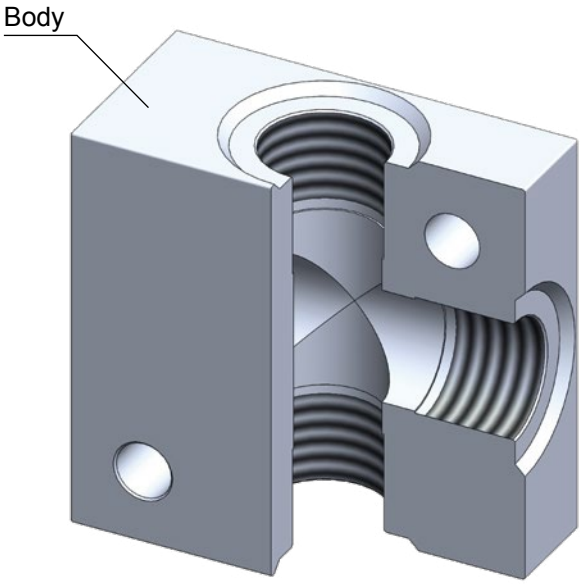
Body: Anodized aluminium (4100)
Aluminium (4150 and 4200)

AVAILABILITY:
Customized manifolds available on request

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

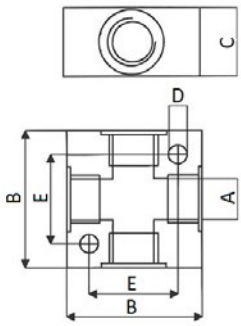
CONSTRUCTION DETAILS



4100

Anodized aluminium cross manifold



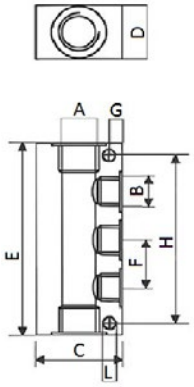


CODE	A	B	C	D	E	g
4100TR18-A	G 1/8"	25,0	15,0	4,5	17,0	17,5
4100TR14-A	G 1/4"	40,0	20,0	5,5	26,0	60,0
4100TR38	G 3/8"	40,0	25,0	5,5	26,0	70,0
4100TR38-A	G 3/8"	50,0	25,0	5,5	34,0	95,0
4100TR12-A	G 1/2"	50,0	30,0	5,5	34,0	129,0

4150

Aluminium distribution manifold with single outputs





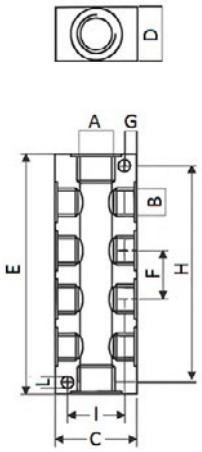
CODE	A	B	C	D	E	F	G	H	L	g
4150TR18M52	G 1/8"	M5-2	25,0	15,0	45,0	15,0	3,5	33,0	4,5	38,0
4150TR18M53	G 1/8"	M5-3	25,0	15,0	60,0	15,0	3,5	48,0	4,5	50,0
4150TR18M54	G 1/8"	M5-4	25,0	15,0	75,0	15,0	3,5	63,0	4,5	64,0
4150TR18M55	G 1/8"	M5-5	25,0	15,0	90,0	15,0	3,5	78,0	4,5	79,0
4150TR18M56	G 1/8"	M5-6	25,0	15,0	105,0	15,0	3,5	93,0	4,5	90,0
4150TR14182	G 1/4"	G 1/8"-2	30,0	20,0	54,0	18,0	4,5	45,0	4,5	64,0
4150TR14183	G 1/4"	G 1/8"-3	30,0	20,0	72,0	18,0	4,5	63,0	4,5	86,0
4150TR14184	G 1/4"	G 1/8"-4	30,0	20,0	90,0	18,0	4,5	81,0	4,5	110,0
4150TR14185	G 1/4"	G 1/8"-5	30,0	20,0	108,0	18,0	4,5	99,0	4,5	130,0
4150TR14186	G 1/4"	G 1/8"-6	30,0	20,0	126,0	18,0	4,5	117,0	4,5	154,0
4150TR38142	G 3/8"	G 1/4"-2	40,0	25,0	68,0	24,0	6,0	51,0	5,5	136,0
4150TR38143	G 3/8"	G 1/4"-3	40,0	25,0	92,0	24,0	6,0	75,0	5,5	184,0
4150TR38144	G 3/8"	G 1/4"-4	40,0	25,0	116,0	24,0	6,0	99,0	5,5	238,0
4150TR38145	G 3/8"	G 1/4"-5	40,0	25,0	140,0	24,0	6,0	123,0	5,5	298,0
4150TR38146	G 3/8"	G 1/4"-6	40,0	25,0	164,0	24,0	6,0	147,0	5,5	338,0
4150TR12382	G 1/2"	G 3/8"-2	50,0	30,0	78,0	26,0	6,5	59,0	5,5	228,0
4150TR12383	G 1/2"	G 3/8"-3	50,0	30,0	104,0	26,0	6,5	85,0	5,5	304,0
4150TR12384	G 1/2"	G 3/8"-4	50,0	30,0	130,0	26,0	6,5	111,0	5,5	380,0
4150TR12385	G 1/2"	G 3/8"-5	50,0	30,0	156,0	26,0	6,5	137,0	5,5	456,0
4150TR12386	G 1/2"	G 3/8"-6	50,0	30,0	182,0	26,0	6,5	163,0	5,5	530,0
4150TR12122	G 1/2"	G 1/2"-2	50,0	30,0	102,0	34,0	6,5	83,0	5,5	292,0
4150TR12123	G 1/2"	G 1/2"-3	50,0	30,0	136,0	34,0	6,5	117,0	5,5	392,0
4150TR12124	G 1/2"	G 1/2"-4	50,0	30,0	170,0	34,0	6,5	151,0	5,5	488,0
4150TR12125	G 1/2"	G 1/2"-5	50,0	30,0	204,0	34,0	6,5	185,0	5,5	584,0
4150TR12126	G 1/2"	G 1/2"-6	50,0	30,0	238,0	34,0	6,5	219,0	5,5	682,0

drawings and technical data are not binding & can be changed without notice

4200

Aluminium distribution manifold with double outputs





CODE	A	B	C	D	E	F	G	H	L	I	g
4200TR18M522	G 1/8"	M5-2+2	25,0	15,0	45,0	15,0	3,5	33,0	4,5	18,0	37,0
4200TR18M533	G 1/8"	M5-3+3	25,0	15,0	60,0	15,0	3,5	48,0	4,5	18,0	50,0
4200TR18M544	G 1/8"	M5-4+4	25,0	15,0	75,0	15,0	3,5	63,0	4,5	18,0	62,0
4200TR18M555	G 1/8"	M5-5+5	25,0	15,0	90,0	15,0	3,5	78,0	4,5	18,0	74,0
4200TR18M566	G 1/8"	M5-6+6	25,0	15,0	105,0	15,0	3,5	93,0	4,5	18,0	98,0
4200TR141822	G 1/4"	G 1/8"-2+2	30,0	20,0	54,0	18,0	4,5	45,0	4,5	21,0	60,0
4200TR141833	G 1/4"	G 1/8"-3+3	30,0	20,0	72,0	18,0	4,5	63,0	4,5	21,0	81,0
4200TR141844	G 1/4"	G 1/8"-4+4	30,0	20,0	90,0	18,0	4,5	81,0	4,5	21,0	100,0
4200TR141855	G 1/4"	G 1/8"-5+5	30,0	20,0	108,0	18,0	4,5	99,0	4,5	21,0	122,0
4200TR141866	G 1/4"	G 1/8"-6+6	30,0	20,0	126,0	18,0	4,5	117,0	4,5	21,0	142,0
4200TR381422	G 3/8"	G 1/4"-2+2	40,0	25,0	68,0	24,0	6	51,0	5,5	28,0	127,0
4200TR381433	G 3/8"	G 1/4"-3+3	40,0	25,0	92,0	24,0	6	75,0	5,5	28,0	170,0
4200TR381444	G 3/8"	G 1/4"-4+4	40,0	25,0	116,0	24,0	6	99,0	5,5	28,0	216,0
4200TR381455	G 3/8"	G 1/4"-5+5	40,0	25,0	140,0	24,0	6	123,0	5,5	28,0	266,0
4200TR381466	G 3/8"	G 1/4"-6+6	40,0	25,0	164,0	24,0	6	147,0	5,5	28,0	312,0
4200TR123822	G 1/2"	G 3/8"-2+2	50,0	30,0	78,0	26,0	6,5	59,0	5,5	37,0	210,0
4200TR123833	G 1/2"	G 3/8"-3+3	50,0	30,0	104,0	26,0	6,5	85,0	5,5	37,0	278,0
4200TR123844	G 1/2"	G 3/8"-4+4	50,0	30,0	130,0	26,0	6,5	111,0	5,5	37,0	344,0
4200TR123855	G 1/2"	G 3/8"-5+5	50,0	30,0	156,0	26,0	6,5	137,0	5,5	37,0	412,0
4200TR123866	G 1/2"	G 3/8"-6+6	50,0	30,0	182,0	26,0	6,5	163,0	5,5	37,0	478,0
4200TR121222	G 1/2"	G 1/2"-2+2	50,0	30,0	102,0	34,0	6,5	83,0	5,5	37,0	268,0
4200TR121233	G 1/2"	G 1/2"-3+3	50,0	30,0	136,0	34,0	6,5	117,0	5,5	37,0	348,0
4200TR121244	G 1/2"	G 1/2"-4+4	50,0	30,0	170,0	34,0	6,5	151,0	5,5	37,0	430,0
4200TR121255	G 1/2"	G 1/2"-5+5	50,0	30,0	204,0	34,0	6,5	185,0	5,5	37,0	512,0
4200TR121266	G 1/2"	G 1/2"-6+6	50,0	30,0	238,0	34,0	6,5	219,0	5,5	37,0	596,0



-25°C ÷ 100°C
Below 0°C in the presence of water with antifreeze glycol

Working pressure:
Up to 25 Bar

Compressed air, water, oil and fluids suitable with construction materials

Inlet thread:
Parallel gas BSPP ISO 228 from G1-1/2" to G2"
Outlet thread:
Taper gas BSPT ISO 7 R3/4"
Pressure Gauge thread:
Parallel gas BSPP ISO 228 G1/2"

Body: Stainless steel AISI 304 with treatment of electropolishing

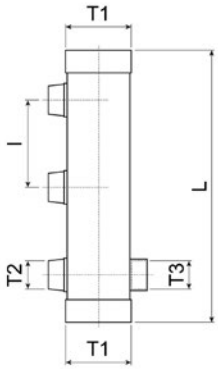
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

4150TRX

Stainless steel AISI 304 distribution manifold





CODE	T1	T2	T3	I	L	N°HOLES
4150TRX112344	G 1-1/2"	R 3/4"	G 1/2"	70,0	291,0	4
4150TRX112345	G 1-1/2"	R 3/4"	G 1/2"	70,0	361,0	5
4150TRX112346	G 1-1/2"	R 3/4"	G 1/2"	70,0	431,0	6
4150TRX112347	G 1-1/2"	R 3/4"	G 1/2"	70,0	501,0	7
4150TRX112348	G 1-1/2"	R 3/4"	G 1/2"	70,0	571,0	8
4150TRX112349	G 1-1/2"	R 3/4"	G 1/2"	70,0	641,0	9
4150TRX1123410	G 1-1/2"	R 3/4"	G 1/2"	70,0	711,0	10
4150TRX1123411	G 1-1/2"	R 3/4"	G 1/2"	70,0	781,0	11
4150TRX1123412	G 1-1/2"	R 3/4"	G 1/2"	70,0	851,0	12
4150TRX1123413	G 1-1/2"	R 3/4"	G 1/2"	70,0	921,0	13
4150TRX1123414	G 1-1/2"	R 3/4"	G 1/2"	70,0	991,0	14
4150TRX2344	G 2"	R 3/4"	G 1/2"	70,0	299,0	4
4150TRX2345	G 2"	R 3/4"	G 1/2"	70,0	369,0	5
4150TRX2346	G 2"	R 3/4"	G 1/2"	70,0	439,0	6
4150TRX2347	G 2"	R 3/4"	G 1/2"	70,0	509,0	7
4150TRX2348	G 2"	R 3/4"	G 1/2"	70,0	579,0	8
4150TRX2349	G 2"	R 3/4"	G 1/2"	70,0	649,0	9
4150TRX23410	G 2"	R 3/4"	G 1/2"	70,0	719,0	10
4150TRX23411	G 2"	R 3/4"	G 1/2"	70,0	789,0	11
4150TRX23412	G 2"	R 3/4"	G 1/2"	70,0	859,0	12
4150TRX23413	G 2"	R 3/4"	G 1/2"	70,0	929,0	13
4150TRX23414	G 2"	R 3/4"	G 1/2"	70,0	999,0	14

T1 & T3: Female thread
T2: Male thread

drawings and technical data are not binding & can be changed without notice

ACCESSORIES & AIR GUNS PRESSURE GAUGES

PLUS

WIDE RANGE TO SATISFY MULTIPLE USES IN INDUSTRIAL SECTOR

POSSIBILITY OF CHOICE WITH A WIDE PRESSURE RANGE

DESIGN IN DIFFERENT MATERIALS FOR DIFFERENT USES



p. 443 / **MABR**



p. 444 / **MABP**



p. 446 / **MXBR**



p. 447 / **MXBP**



p. 448 / **MXBF**



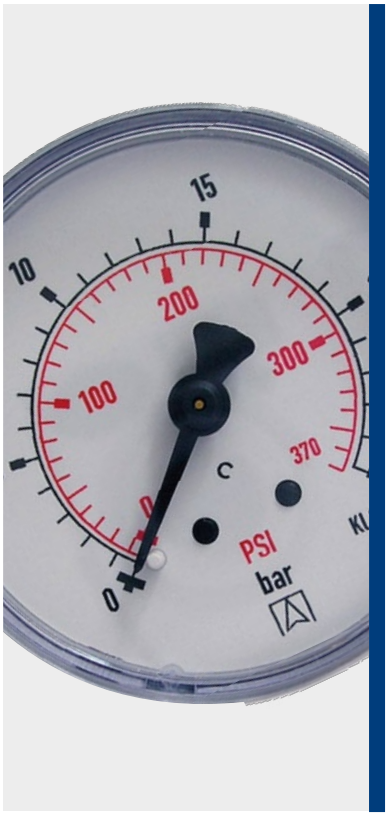
p. 448 / **MXBS**



p. 450 / **MXXR**



p. 450 / **MXXP**



-20°C ÷ 60°C

Working pressure:
Max. 3/4 of full scale value for static pressure.
100% of full scale value for short time.

Air, gases and fluids suitable with construction materials

Taper gas BSPT ISO 7
R1/8" and R1/4"

DEGREE PROTECTION*
IP 32 (EN 60 529)
*To be requested when you order

Connection: Brass
Measuring element: Copper alloy
Movement: Brass
Dial: Plastic with white background
Pointer: Black plastic
Case: ABS shock-resistant
Window: Plastic

APPLICATIONS

- For gases and liquids which are not highly viscous, do not crystallize and are not aggressive to copper alloys.
- For measuring points subject to vibration and high pressures.
- To measure gases or vapor, these instruments must be used in compliance with the standards EN 837-2.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

MABR

Dry pressure gauge for industry with ABS case, EN 837-1, radial connection, BSPT thread



	CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
*	MABR40R0120	R 1/8"	40	-1-0	
	MABR40R0132	R 1/8"	40	0-1	
	MABR40R0133	R 1/8"	40	0-1,6	
	MABR40R0134	R 1/8"	40	0-2,5	
	MABR40R0135	R 1/8"	40	0-4	
	MABR40R0136	R 1/8"	40	0-6	
	MABR40R0137	R 1/8"	40	0-10	
	MABR40R0138	R 1/8"	40	0-12	
	MABR40R0139	R 1/8"	40	0-16	
	MABR40R0140	R 1/8"	40	0-25	
	MABR50R0234	R 1/4"	50	0-2,5	
	MABR50R0235	R 1/4"	50	0-4	
	MABR50R0236	R 1/4"	50	0-6	CLASS 2,5
	MABR50R0238	R 1/4"	50	0-12	
	MABR50R0239	R 1/4"	50	0-16	
	MABR50R0240	R 1/4"	50	0-25	
	MABR63R0220	R 1/4"	63	-1-0	
	MABR63R0232	R 1/4"	63	0-1,0	
	MABR63R0233	R 1/4"	63	0-1,6	
	MABR63R0234	R 1/4"	63	0-2,5	
	MABR63R0235	R 1/4"	63	0-4	
	MABR63R0236	R 1/4"	63	0-6	
	MABR63R0237	R 1/4"	63	0-10	
	MABR63R0238	R 1/4"	63	0-12	
	MABR63R0239	R 1/4"	63	0-16	
	MABR63R0240	R 1/4"	63	0-25	

* Vacuum gauge

drawings and technical data are not binding & can be changed without notice

MABP

Dry pressure gauge for industry with ABS case, EN 837-1, back connection, BSPT thread



CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
* MABP40R0120	R 1/8"	40	-1-0	
MABP40R0132	R 1/8"	40	0-1,0	
MABP40R0133	R 1/8"	40	0-1,6	
MABP40R0134	R 1/8"	40	0-2,5	
MABP40R0135	R 1/8"	40	0-4	
MABP40R0136	R 1/8"	40	0-6	
MABP40R0137	R 1/8"	40	0-10	
MABP40R0138	R 1/8"	40	0-12	
MABP40R0139	R 1/8"	40	0-16	
MABP40R0140	R 1/8"	40	0-25	
MABP40R0143	R 1/8"	40	0-100	
MABP50R0120	R 1/8"	50	-1-0	
MABP50R0132	R 1/8"	50	0-1,0	
MABP50R0133	R 1/8"	50	0-1,6	
MABP50R0134	R 1/8"	50	0-2,5	
MABP50R0135	R 1/8"	50	0-4	
MABP50R0136	R 1/8"	50	0-6	
MABP50R0138	R 1/8"	50	0-12	
MABP50R0139	R 1/8"	50	0-16	CLASS 2,5
MABP50R0140	R 1/8"	50	0-25	
MABP50R0234	R 1/4"	50	0-2,5	
MABP50R0235	R 1/4"	50	0-4	
MABP50R0236	R 1/4"	50	0-6	
MABP50R0238	R 1/4"	50	0-12	
MABP50R0239	R 1/4"	50	0-16	
MABP50R0240	R 1/4"	50	0-25	
MABP63R0220	R 1/4"	63	-1-0	
MABP63R0232	R 1/4"	63	0-1,0	
MABP63R0233	R 1/4"	63	0-1,6	
MABP63R0234	R 1/4"	63	0-2,5	
MABP63R0235	R 1/4"	63	0-4	
MABP63R0236	R 1/4"	63	0-6	
MABP63R0237	R 1/4"	63	0-10	
MABP63R0238	R 1/4"	63	0-12	
MABP63R0239	R 1/4"	63	0-16	
MABP63R0240	R 1/4"	63	0-25	
MABP63R0245	R 1/4"	63	0-250	

* Vacuum gauge



-20°C ÷ 60°C

Working pressure:
Max 3/4 of full scale value for static pressures.
Max. 2/3 of full scale value for water hammer pressures.
100% of full scale value for short time.

Air, gases and fluids suitable for construction materials

Parallel gas BSPP ISO 228
G1/8" and G1/4"

DEGREE PROTECTION*
IP 65 (EN 60 529)
IP 54 (25 Bar) plug allows air release from the case
*To be requested when you order

Connection: Brass
Measuring element: Copper alloy
Movement: Brass
Dial: Plastic with white background
Pointer: Black aluminium
Case: Stainless steel AISI 304
Ring: Stainless steel AISI 304
Window: Plastic

APPLICATIONS

- For gases and liquids which are not highly viscous, do not crystallize and are not aggressive to copper alloys.
- For measuring points subject to vibration and high pressures.
- To measure gases or vapor, these instruments must be used in compliance with the standards EN 837-2.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

MXBR Glycerine pressure gauge with case stainless steel AISI 304, EN 837-1, radial connection, BSPP thread



CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
MXBR40G0135	G 1/8"	40	0-4	
MXBR40G0136	G 1/8"	40	0-6	
MXBR40G0137	G 1/8"	40	0-10	
MXBR40G0139	G 1/8"	40	0-16	
MXBR40G0140	G 1/8"	40	0-25	
MXBR40G0142	G 1/8"	40	0-60	
MXBR40G0143	G 1/8"	40	0-100	
MXBR40G0144	G 1/8"	40	0-160	
MXBR40G0145	G 1/8"	40	0-250	
MXBR40G0147	G 1/8"	40	0-400	
MXBR50G0234	G 1/4"	50	0-2,5	CLASS 2,5
MXBR50G0235	G 1/4"	50	0-4	
MXBR50G0236	G 1/4"	50	0-6	
MXBR50G0237	G 1/4"	50	0-10	
MXBR50G0239	G 1/4"	50	0-16	
MXBR50G0240	G 1/4"	50	0-25	
MXBR50G0241	G 1/4"	50	0-40	
MXBR50G0242	G 1/4"	50	0-60	
MXBR50G0243	G 1/4"	50	0-100	
MXBR50G0244	G 1/4"	50	0-160	
MXBR50G0245	G 1/4"	50	0-250	
MXBR50G0247	G 1/4"	50	0-400	
MXBR63G0220	G 1/4"	63	-1-0	
MXBR63G0232	G 1/4"	63	0-1,0	
MXBR63G0233	G 1/4"	63	0-1,6	
MXBR63G0234	G 1/4"	63	0-2,5	
MXBR63G0235	G 1/4"	63	0-4	
MXBR63G0236	G 1/4"	63	0-6	
MXBR63G0237	G 1/4"	63	0-10	
MXBR63G0239	G 1/4"	63	0-16	
MXBR63G0240	G 1/4"	63	0-25	CLASS 1,6
MXBR63G0241	G 1/4"	63	0-40	
MXBR63G0242	G 1/4"	63	0-60	
MXBR63G0243	G 1/4"	63	0-100	
MXBR63G0244	G 1/4"	63	0-160	
MXBR63G0245	G 1/4"	63	0-250	
MXBR63G0246	G 1/4"	63	0-315	
MXBR63G0247	G 1/4"	63	0-400	
MXBR63G0248	G 1/4"	63	0-600	
MXBR63G0250	G 1/4"	63	0-1000	

MXBP Glycerine pressure gauge with stainless steel case AISI 304, EN 837-1, back connection, BSPP thread



CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
MXBP40G0135	G 1/8"	40	0-4	
MXBP40G0136	G 1/8"	40	0-6	
MXBP40G0137	G 1/8"	40	0-10	
MXBP40G0139	G 1/8"	40	0-16	
MXBP40G0140	G 1/8"	40	0-25	
MXBP40G0142	G 1/8"	40	0-60	
MXBP40G0143	G 1/8"	40	0-100	
MXBP40G0144	G 1/8"	40	0-160	
MXBP40G0145	G 1/8"	40	0-250	
MXBP40G0147	G 1/8"	40	0-400	
MXBP40G0148	G 1/8"	40	0-600	
MXBP50G0234	G 1/4"	50	0-2,5	CLASS 2,5
MXBP50G0235	G 1/4"	50	0-4	
MXBP50G0236	G 1/4"	50	0-6	
MXBP50G0237	G 1/4"	50	0-10	
MXBP50G0239	G 1/4"	50	0-16	
MXBP50G0240	G 1/4"	50	0-25	
MXBP50G0241	G 1/4"	50	0-40	
MXBP50G0242	G 1/4"	50	0-60	
MXBP50G0243	G 1/4"	50	0-100	
MXBP50G0244	G 1/4"	50	0-160	
MXBP50G0245	G 1/4"	50	0-250	
MXBP63G0220	G 1/4"	63	-1-0	
MXBP63G0232	G 1/4"	63	0-1,0	
MXBP63G0233	G 1/4"	63	0-1,6	
MXBP63G0234	G 1/4"	63	0-2,5	
MXBP63G0235	G 1/4"	63	0-4	
MXBP63G0236	G 1/4"	63	0-6	
MXBP63G0237	G 1/4"	63	0-10	
MXBP63G0239	G 1/4"	63	0-16	
MXBP63G0240	G 1/4"	63	0-25	CLASS 1,6
MXBP63G0241	G 1/4"	63	0-40	
MXBP63G0242	G 1/4"	63	0-60	
MXBP63G0243	G 1/4"	63	0-100	
MXBP63G0244	G 1/4"	63	0-160	
MXBP63G0245	G 1/4"	63	0-250	
MXBP63G0246	G 1/4"	63	0-315	
MXBP63G0247	G 1/4"	63	0-400	
MXBP63G0248	G 1/4"	63	0-600	

MXBF Glycerine pressure gauge with 3 holes flange and case stainless steel AISI 304, EN 837-1, BSPP thread





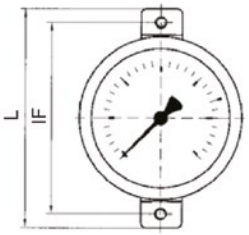
	CODE	CONNECTION THREAD	Ø CASE	SCALE	IF WHEELBASES	ACCURACY
*	MXBF63G0220	G 1/4"	63	-1-0	75,0	CLASS 1,6
	MXBF63G0232	G 1/4"	63	0-1,0	75,0	
	MXBF63G0233	G 1/4"	63	0-1,6	75,0	
	MXBF63G0234	G 1/4"	63	0-2,5	75,0	
	MXBF63G0235	G 1/4"	63	0-4	75,0	
	MXBF63G0236	G 1/4"	63	0-6	75,0	
	MXBF63G0237	G 1/4"	63	0-10	75,0	
	MXBF63G0239	G 1/4"	63	0-16	75,0	
	MXBF63G0240	G 1/4"	63	0-25	75,0	
	MXBF63G0241	G 1/4"	63	0-40	75,0	
	MXBF63G0242	G 1/4"	63	0-60	75,0	
	MXBF63G0243	G 1/4"	63	0-100	75,0	
	MXBF63G0244	G 1/4"	63	0-160	75,0	
	MXBF63G0245	G 1/4"	63	0-250	75,0	
	MXBF63G0246	G 1/4"	63	0-315	75,0	
	MXBF63G0247	G 1/4"	63	0-400	75,0	
	MXBF63G0248	G 1/4"	63	0-600	75,0	
	MXBF63G0250	G 1/4"	63	0-1000	75,0	

* Vacuum gauge

Flange fixing holes Ø: 3,6 mm

MXBS Glycerine pressure gauge with bracket, case stainless steel AISI 304, EN 837-1, BSPP thread





	CODE	CONNECTION THREAD	Ø CASE	SCALE	IF WHEELBASES	L	ACCURACY
*	MXBS63G0220	G 1/4"	63	-1-0	82,0	94,0	CLASS1,6
	MXBS63G0232	G 1/4"	63	0-1,0	82,0	94,0	
	MXBS63G0233	G 1/4"	63	0-1,6	82,0	94,0	
	MXBS63G0234	G 1/4"	63	0-2,5	82,0	94,0	
	MXBS63G0235	G 1/4"	63	0-4	82,0	94,0	
	MXBS63G0236	G 1/4"	63	0-6	82,0	94,0	
	MXBS63G0237	G 1/4"	63	0-10	82,0	94,0	
	MXBS63G0239	G 1/4"	63	0-16	82,0	94,0	
	MXBS63G0240	G 1/4"	63	0-25	82,0	94,0	
	MXBS63G0241	G 1/4"	63	0-40	82,0	94,0	
	MXBS63G0242	G 1/4"	63	0-60	82,0	94,0	
	MXBS63G0243	G 1/4"	63	0-100	82,0	94,0	
	MXBS63G0244	G 1/4"	63	0-160	82,0	94,0	
	MXBS63G0245	G 1/4"	63	0-250	82,0	94,0	
	MXBS63G0246	G 1/4"	63	0-315	82,0	94,0	
	MXBS63G0247	G 1/4"	63	0-400	82,0	94,0	
	MXBS63G0248	G 1/4"	63	0-600	82,0	94,0	
	MXBS63G0250	G 1/4"	63	0-1000	82,0	94,0	

* Vacuum gauge

Flange fixing holes Ø: 3,6 mm

drawings and technical data are not binding & can be changed without notice



Environment temperature:
Max 150°C
Working temperature:
-20°C ÷ 60°C

Working pressure:
Max 3/4 of full scale value for static pressures.
Max. 2/3 of full scale value for water hammer pressures (when using a glycerine bath pressure gauge) .
100% of full scale value for short time.

Air, gases and fluids suitable with construction materials

Parallel gas BSPP ISO 228 G1/8" and R1/4"

DEGREE PROTECTION*
IP 65 (EN 60 529)
IP 54 (25 Bar) plug allows air release from the case
*To be requested when you order

Connection: Stainless steel AISI 316L
Measuring elements: Stainless steel AISI 316L
Movement: Stainless steel
Dial: Plastic with white background
Pointer: Black aluminium
Case: Stainless steel AISI 304
Ring Ø63: Stainless steel AISI 304
Ring Ø100: Bayonet in stainless steel AISI 304
Window: Double-layer safety glass

APPLICATIONS

- For gases and liquids which are not highly viscous, do not crystallize and are not aggressive to copper alloys.
- For measuring points subject to vibration and high pressures.
- To measure gases or vapor, these instruments must be used in compliance with the standards EN 837-2.

AVAILABILITY

Available on request with glycerine bath

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

MXXR

All stainless steel dry pressure gauge, EN 837-1, radial connection, BSPP thread



CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
* MXXR63G0220	G 1/4"	63	-1-0	CLASS 1,6
MXXR63G0232	G 1/4"	63	0-1,0	
MXXR63G0233	G 1/4"	63	0-1,6	
MXXR63G0234	G 1/4"	63	0-2,5	
MXXR63G0235	G 1/4"	63	0-4	
MXXR63G0236	G 1/4"	63	0-6	
MXXR63G0237	G 1/4"	63	0-10	
MXXR63G0239	G 1/4"	63	0-16	
MXXR63G0240	G 1/4"	63	0-25	
MXXR63G0241	G 1/4"	63	0-40	
MXXR63G0242	G 1/4"	63	0-60	
MXXR63G0243	G 1/4"	63	0-100	
MXXR63G0244	G 1/4"	63	0-160	
MXXR63G0245	G 1/4"	63	0-250	
MXXR100G0220	G 1/2"	100	-1-0	CLASS 1,0
MXXR100G0432	G 1/2"	100	0-1,0	
MXXR100G0433	G 1/2"	100	0-1,6	
MXXR100G0434	G 1/2"	100	0-2,5	
MXXR100G0435	G 1/2"	100	0-4	
MXXR100G0436	G 1/2"	100	0-6	
MXXR100G0437	G 1/2"	100	0-10	
MXXR100G0439	G 1/2"	100	0-16	
MXXR100G0440	G 1/2"	100	0-25	
MXXR100G0441	G 1/2"	100	0-40	
MXXR100G0442	G 1/2"	100	0-60	
MXXR100G0443	G 1/2"	100	0-100	

* Vacuum gauge

MXXP

All stainless steel dry pressure gauge, EN 837-1, back connection, BSPP thread



CODE	CONNECTION THREAD	Ø CASE	SCALE	ACCURACY
* MXXP63G0220	G 1/4"	63	-1-0	CLASS 1,6
MXXP63G0232	G 1/4"	63	0-1,0	
MXXP63G0233	G 1/4"	63	0-1,6	
MXXP63G0234	G 1/4"	63	0-2,5	
MXXP63G0235	G 1/4"	63	0-4	
MXXP63G0236	G 1/4"	63	0-6	
MXXP63G0237	G 1/4"	63	0-10	
MXXP63G0239	G 1/4"	63	0-16	
MXXP63G0240	G 1/4"	63	0-25	
MXXP63G0241	G 1/4"	63	0-40	
MXXP63G0242	G 1/4"	63	0-60	
MXXP63G0243	G 1/4"	63	0-100	
MXXP63G0244	G 1/4"	63	0-160	
MXXP63G0245	G 1/4"	63	0-250	

* Vacuum gauge

drawings and technical data are not binding & can be changed without notice

ACCESSORIES & AIR GUNS TANK

PLUS

AVAILABLE WITH DIFFERENT CAPACITIES AND FIXINGS FOR VARIOUS MACHINE AND SYSTEM TYPES

IN ORDER TO GUARANTEE LONGEVITY AND RESISTANCE, OUR TANKS ARE PICKLED SO THE IMPURITIES RESULTING FROM OXIDATION AND THE MANUFACTURING PROCESSES ARE ELIMINATED

TESTED TO GUARANTEE MAXIMUM QUALITY AND SECURITY



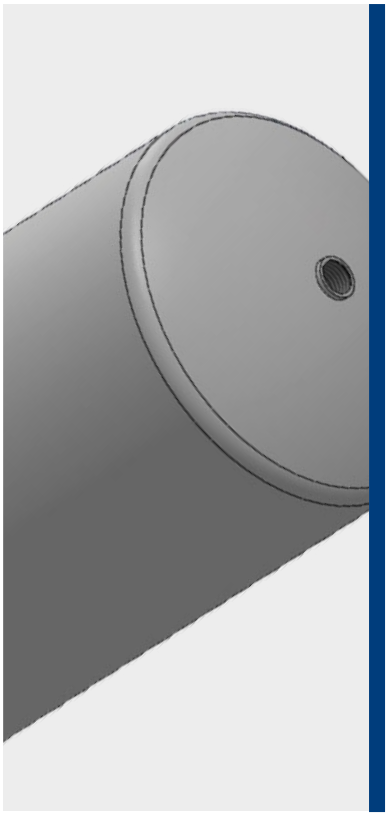
p. 454 / **SB304TR**



p. 454 / **SB304TR-STL**



p. 454 / **SB304TR-STC**



-40°C ÷ 100°C

Working pressure:
Up to 10 Bar

Compressed air

Parallel gas BSPP ISO 228
G1/2" and G1"

Body: Stainless steel AISI 304 with pickling treatment

AVAILABILITY

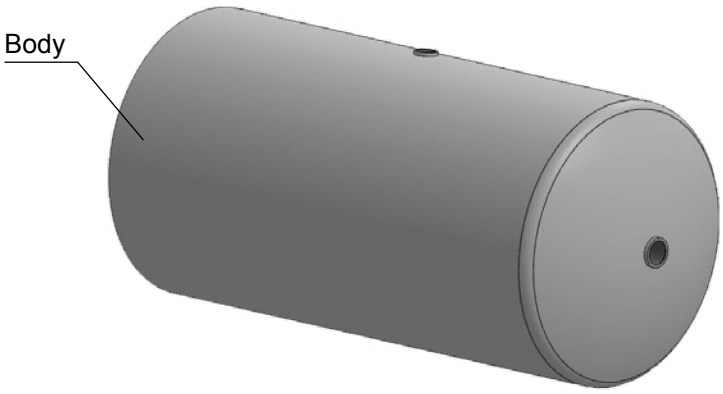
Available on demand in stainless steel AISI 316 with electropolishing and pickling treatment

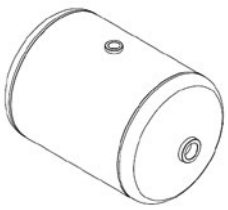
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Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

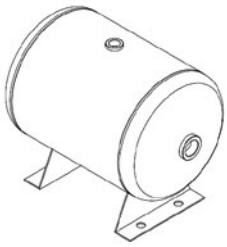




STANDARD TANK
without brackets



STL TANK
aluminium brackets supplied separately with assembly fittings



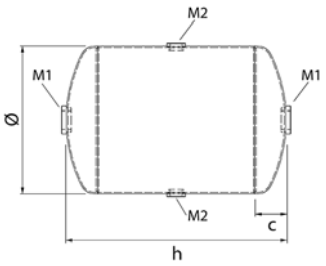
STC TANK
brackets welded on the shell

drawings and technical data are not binding & can be changed without notice

SB304TR

Stainless steel AISI 304 tank without brackets



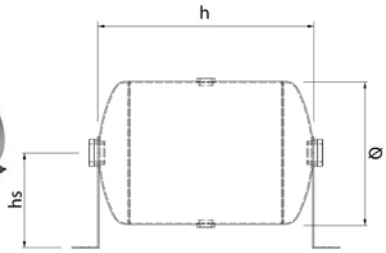


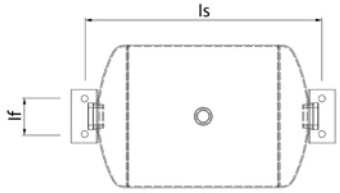
CODE	Ø	H	VOLUME	C	M1	M2	Kg
SB304TR130175-DP	130	175	2	87,5	2x1/2"	2x1/4"	1,00
SB304TR150350-DP	150	350	5	45	2x1/2"	2x1/4"	2,20
SB304TR170560-DP	170	560	10	50	2x1/2"	2x1/4"	3,80
SB304TR220540-DP	220	540	19	60	2x1/2"	2x1/4"	4,85

SB304TR-STL

Stainless steel AISI 304 tank with L-brackets and assembly fittings







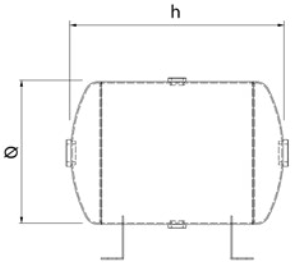
CODE	Ø	H	VOLUME	IF	IS	HS	IS
SB304TR130175-STL-DP	130	175	2	40	2x15MM	120	1,00
SB304TR150350-STL-DP	150	350	5	40	2x15MM	120	2,20
SB304TR170560-STL-DP	170	560	10	40	2x15MM	175	3,80
SB304TR220540-STL-DP	220	540	19	40	2x15MM	175	4,85

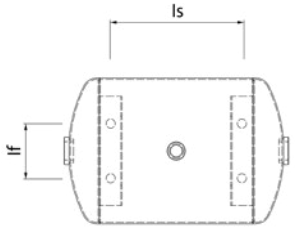
IF (Bracket hole distance):
The brackets are supplied with two taper reductions for assembly: M 1/2" - F 1/2"

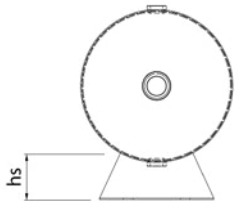
SB304TR-STC

Stainless steel AISI 304 tank with cradle brackets welded onto the shell









CODE	Ø	H	VOLUME	IF	IS	HS	Kg
SB304TR130175-STC-DP	130	175	2	60	60	35	1,00
SB304TR150350-STC-DP	150	350	5	60	80	35	2,20
SB304TR170560-STC-DP	170	560	10	60	220	40	3,80
SB304TR220540-STC-DP	220	540	19	80	225	45	4,85

IF (Bracket hole distance)

drawings and technical data are not binding & can be changed without notice

ACCESSORIES & AIR GUNS
SEALING FOR THREADED ELEMENTS

PLUS

DIFFERENT CATEGORIES AVAILABLE WHICH ALLOW A PERFECT SEAL ON MOST OF OUR FITTINGS

WASHERS OF DIFFERENT MATERIALS TO SATISFY COUNTLESS NEEDS IN THE INDUSTRIAL SECTOR



p. 457 / **LOX1810**



p. 458 / **LOX5811**



p. 459 / **LOX5314**



p. 460 / **LOX5503**



p. 461 / **LOX5920**



p. 462 / **IS43S**



p. 463 / **LOC5331**



p. 464 / **R-PTFE**



p. 464 / **R-PTFE-PROF**



p. 465 / **2605**



p. 465 / **2610**

p. 465 / **2612**



p. 465 / **2615**



p. 466 / **2620**



-55°C ÷ 150°C
-20°C ÷ 150°C (Natural gas)
-10°C ÷ 150°C (LP gas)

FEATURES

Anaerobic adhesive for sealing of metal thread pipe joints. Suitable for gas, LP gas, compressed air, gasoline and oil, industrial fluids, CFC, water and several chemicals. Low friction coefficient will assure easy assembly. Thixotropic property prevents migration from thread of the sealant before or during curing. It replaces P.T.F.E. tape and yarn. Cured product provides elastic film. Shocks and vibrations resistant; unaffected sealing properties in the temperature range from -55 to +150°C. Easy dismantling is assured even after years.

CURING PERFORMANCE

Curing rate depends on the assembly clearance, material surfaces and temperature. Functional strength is usually reached in 1 - 3 hours and full curing takes 24 - 36 hours.

Composition: anaerobic methacrylate

PROPERTIES

Handling cure time: 20 - 40 minutes
Functional cure time: 1 - 3 hours
Full cure time: 5 - 10 hours
Locking torque breakaway (ISO 10964): 6 - 11 Nm
Locking torque prevailing (ISO 10964): 2 - 5 Nm
Shear strength (ISO 10123): 4 - 6 Nm
Tensile strength (ASTM D2095): 3 - 5 N/mm^2
Elongation at break: over 100%
Viscosity (25°C-mPa s): 17.000 - 70.000 thixotropic
Max Ø of thread/gap filling: 2"/0,30 mm

DVGW — Product approved by DIN-DVGW according to EN 751-1 (use with natural gas)

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

LOX1810

PTFE anaerobic adhesive for fittings and tubes with low mechanical resistance



CODE	QUANTITY
LOX1810	75 ml



-55°C ÷ 150°C
-20°C ÷ 150°C (Natural gas)
-10°C ÷ 150°C (LP gas)

FEATURES

Anaerobic curing adhesive for sealing of metal thread joints only.
It replaces PTFE tape and yarn and gives instant sealing against moderate pressure.
It seals against gas, water, LPG, hydrocarbons, oils and other chemicals.
Thixotropic property prevents migration of sealant from thread before or during curing.
Shock and vibrations resistant, sealing properties unaffected over the temperature range from -55°C to +150°C.

CURING PERFORMANCE

The curing rate depends on the clearance between the parts, the type of material and the temperature. Functional strength is usually reached after 1 - 3 hours. Final strength takes 24 - 36 hours.

USE WITH POTABLE WATER

WRAS approved for use with cold and hot water up to +85°C.
The following cure times are recommended for contact with potable water:
- For brass, copper and cast iron allow 24 hours at +21.1°C
- For stainless steel and aluminium allow 7 days at +21.1°C

Composition: anaerobic methacrylate

PROPERTIES

Handling cure time: 15 - 30 minutes
Functional cure time: 1 - 2 hours
Full cure time: 3 - 6 hours
Locking torque breakaway (ISO 10964): 18 - 24 Nm
Locking torque prevailing (ISO 10964): 7 - 14 Nm
Shear strength (ISO 10123): 6 - 13 Nm/mm²
Viscosity (25°C-mPa s): 20.000 - 80.000 thixotropic
Max Ø of thread/gap filling: M56/2"/0,30 mm

Product approved WRAS for contact with potable water

NSF registered in cat. S4 as acceptable for use as an adhesive in and around food processing area

Product approved by DIN-DVGW according to EN 751-1 (use with natural gas)

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

LOX5811

Medium strength anaerobic curing adhesive for sealing of metallic threaded joints up to 2"



CODE	QUANTITY
LOX5811	75 ml



-55°C ÷ 150°C
-20°C ÷ 150°C (Natural gas)

FEATURES

Medium strength anaerobic adhesive for sealing hydraulic and pneumatic threads connectors up to 3/4" and small pipes.
To replace P.T.F.E. tapes in the sealing of gases, water, LPG, hydrocarbons, oils and other chemicals.
Highly resistant to heat, corrosion, shocks and vibrations.

CURING PERFORMANCE

Curing rate depends on the assembly clearance, material surfaces and temperature.
Functional strength is usually reached in 1 - 3 hours and full curing takes 24 - 36 hours.

Composition: Anaerobic methacrylic resin

PROPERTIES

Handling cure time: 10 - 20 minutes
Functional cure time: 1 - 3 hours
Full cure time: 3 - 6 hours
Locking torque - breakaway (ISO 10964): 12 - 18 Nm
Locking torque - prevailing (ISO 10964): 10 - 20 Nm
Shear strength (ISO 10123): 8 - 12 Nm
Viscosity (25°C-mPa s): 430 - 630
Max Ø of thread/gap filling: M20/3/4"/0,15mm

DVGW — Product approved by DIN-DVGW according to EN 751-1 (use with natural gas)

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

LOX5314

Medium strength anaerobic liquid adhesive sealant for pneumatic and hydraulic fittings up to 3/4"



CODE	QUANTITY
LOX5314	50 ml



-55°C ÷ 200°C
-20°C ÷ 150°C (Natural gas)

FEATURES

Medium strength anaerobic adhesive for thread locking of nuts and bolts of all types that require to be dismantled.
Suitable to be used on oily surfaces.
Highly resistant to heat, corrosion, vibrations, water, gas, oils, hydrocarbons and many chemicals.
Proven unscrewing resistance at +200°C.
It keeps sealing properties unchanged between -55°C/+200°C and up to +250°C for short times.

CURING PERFORMANCE

Curing rate depends on the assembly gap, substrates and temperature.
Functional strength is usually reached in 1 - 3 hours and full curing takes 24 - 36 hours.

Composition: Anaerobic methacrylic resin

PROPERTIES

Handling cure time: 10 - 20 minutes
Functional cure time: 1 - 3 hours
Full cure time: 3 - 6 hours
Locking torque - breakaway (ISO 10964): 18 - 23 Nm
Locking torque - prevailing (ISO 10964): 9 - 16 Nm
Shear strength (ISO 10123): 9 - 13 N/mm²
Viscosity (25°C-mPa s): 1.700 - 9.000 thixo
Max Ø of thread/gap filling: M36/0,25 mm

WRAS APPROVED PRODUCT — Product approved WRAS for contact with potable water

DVGW — Product approved by DIN-DVGW according to EN 751-1 (use with natural gas)

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

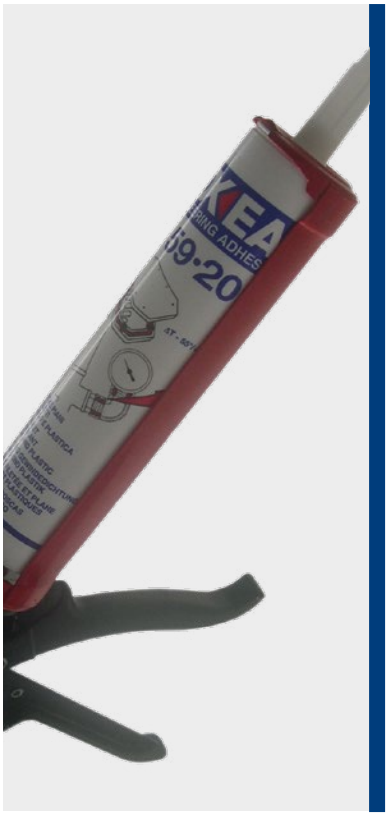
RoHS3 — Products in compliance with the directive EU 2015/863

LOX5503

Medium strength anaerobic adhesive for thread locking of nuts and bolts



CODE	QUANTITY
LOX5503	50 ml



-50°C ÷ 180°C

FEATURES

One component moisture curing silicone based sealant and adhesive releasing non corrosive and low-odour by products.
Provides an extremely flexible gasket between surfaces made of various materials (metal, plastics, glass, ceramics).
Suitable for sealing gear boxes, pumps and motors flanges, oil and water containers, air forced pipes.
Resistant to vibrations, thermal shocks, pressurized air, water, oils and several chemicals.
Sealed parts can be disassembled using normal tools.

CURING PROPERTIES

Tack free time (+20°C): 15 - 30 minutes
Functional curing time: 3 - 6 hours
Final curing time: 24 - 36 hours

Composition: Silicon neutral curing

PROPERTIES (AFTER 7 DAYS - 23°C)

Hardness Shore A (ASTM D-2240):
25 ± 5
Tensile strength (ASTM D-412):
0,5 - 1,0 MPa
Elongation at break (ASTM D-412):
400% - 600%
Joint movement capability (ASTM C-290):
± 25%

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

LOX5920

Highly oil resistant transparent sealant silicone



CODE	QUANTITY
LOX5920	310 ml



-55°C ÷ 120°C

FEATURES

General purpose, surface insensitive medium viscosity instant adhesive based on ethyl cyanoacrylate.
Insensitive to acidic surfaces, it is recommended for bonding of leather, wood and metals.
Proven temperature strength up to +120°C with peaks for short times up to +150°C.

CURING PROPERTIES

Curing rate depends on the substrate used, on the gap, on the temperature and on the environmental humidity.

MATERIAL FIXING TIMES:
- **Plastics:** 2 - 10 seconds
- **Steel:** 5 - 20 seconds
- **Aluminum:** 2 - 10 seconds
- **Zinc:** 10 - 20 seconds

Composition: Modified ethyl cyanoacrylate

PROPERTIES

Tensile strength ISO 6922:
15 - 25 N/mm^2

Shear strength ISO 4587:
15 - 20 N/mm^2

Softening range:
+160°C - +170°C

NSF registered as acceptable for use as an instant adhesive (cat. S4) in and around food processing area.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

IS43S

Universal fast setting cyanoacrylate adhesive



CODE	QUANTITY
IS43S	20 g



-50°C ÷ 150°C

FEATURES

Recommended for use on plastic pipe threaded fittings carrying hot or cold water.
This product cures at ambient temperatures under the influence of atmospheric moisture to form a low strength flexible seal against hot and cold water.
This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

ENVIRONMENTAL RESISTANCE

The low strength of this sealant is maintained at temperatures up to 150 °C.
Sealing capability is maintained up to 0.3 MPa in water at 90 °C.
Tests on steel fittings using water/glycol maintained seals cycling 20 to 90 °C for 12 months without leaking.

CURING PERFORMANCE

The cure speed of this product is independent of substrates but requires atmospheric humidity 40% minimum to develop full sealing capability (0.3 MPa) within 12 hours.
Instant seal capability is 0.05 MPa water pressure as measured on 25.4 mm fittings.
Low temperatures do not reduce the effectiveness of this sealant unless the atmospheric moisture is also low.

Composition: Anaerobic silicone

PROPERTIES (AFTER 72 HOURS - 22°C)

Breakaway Torque (ISO 10964): 1,5 Nm

Prevail Torque (ISO 10964): 0,5 Nm

Breakloose Torque (ISO 10964): 4,5 Nm

Max. Prevail Torque (ISO 10964): 1,0 Nm

Viscosity (25°C-mPa s): 50.000

Max Ø of thread/gap filling: M80/3"

NSF registered in cat. P1 as acceptable for use as an adhesive in and around food processing area

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

LOC5331

Anaerobic adhesive for fittings



CODE	QUANTITY
LOC5331	100 ml



-200°C ÷ 260°C

FEATURES

The PTFE thread sealing tape of unsintered PTFE is mainly used as a thread sealing element. It resists all known chemical compound and solvents, with the exception of gaseous Flourine at high temperature, Trifluoro Chlorine, alkali metals either molten or in solution. It can be used in a temperature range: -200°C to +260°C; has a low coefficient of friction, is tasteless, insolubile, and doesn't smell.
The tapes are normally available on plastic reels. Is compounded from virgin material and is produced through a process called "Paste Extrusion".

RESISTANCE

- **Pressure resistance:** 210 Bar
- **Chemical resistance:** pH 0 - 14

Composition: PTFE resin (teflon)

R-PTFE

- **Width:** 1/2"
- **Length:** 12 m
- **Thickness:** 0,1 mm

R-PTFE-PROF

- **Width:** 3/4"
- **Length:** 15 m
- **Thickness:** 0,2 mm

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

R-PTFE — Teflon tape



CODE	QUANTITY
R-PTFE12012	12 m

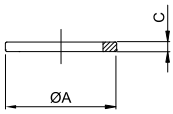
R-PTFE-PROF — Teflon tape for professional use



CODE	QUANTITY
R-PTFE190215-PROF	15 m

2605 Metal-nitrile composite gasket

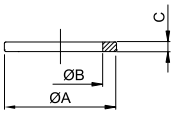




CODE	T	ØA	C	g
2605TR18	1/8"	14,0	1,0	-
2605TR14	1/4"	17,0	1,0	-
2605TR38	3/8"	22,0	1,3	-
2605TR12	1/2"	26,0	1,6	-
2605TR34	3/4"	32,0	1,6	-
2605TR1	1"	39,0	3,5	-

2610 Notched nylon washer

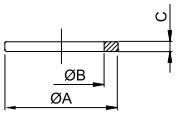




CODE	T	ØA	ØB	C	g
2610TRM5	M5	8,0	5,2	1,0	2,0
2610TR18	G 1/8"	14,0	10,0	1,5	26,0
2610TR14	G 1/4"	18,0	13,5	1,5	42,0
2610TR38	G 3/8"	21,0	16,8	2,0	28,0
2610TR12	G 1/2"	26,0	21,1	2,0	38,0

2612 PVC washer

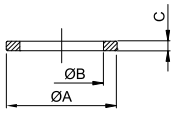




CODE	T	ØA	ØB	C	g
2612TR18	G 1/8"	14,0	10,0	1,5	18,0
2612TR14	G 1/4"	17,5	13,5	1,5	18,0
2612TR38	G 3/8"	21,0	16,7	1,5	18,0
2612TR12	G 1/2"	26,0	21,3	1,5	18,0

2615 Nylon washer

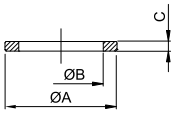




CODE	T	ØA	ØB	C	g
2615TRM5	M5	8,5	5,0	1,5	4,0
2615TR18	G 1/8"	14,0	9,8	1,5	24,0
2615TR14	G 1/4"	18,0	13,2	1,5	40,0
2615TR38	G 3/8"	21,0	16,7	1,5	20,0
2615TR12	G 1/2"	26,0	21,1	2,0	38,0
2615TR34	G 3/4"	32,0	26,7	2,5	62,0

2620 Aluminium washer





CODE	T	ØA	ØB	C	g
2620TR18	G 1/8"	14,0	10,0	1,5	58,0
2620TR14	G 1/4"	17,3	13,3	1,5	76,0
2620TR38	G 3/8"	21,0	16,9	1,5	46,0
2620TR12	G 1/2"	26,0	21,1	1,5	70,0

ACCESSORIES & AIR GUNS
CAF

PLUS

VARIABLE FLOW THROUGH PROGRESSIVE CONTROL TO REDUCE AIR CONSUMPTION

DESIGN STUDIED FOR A COMFORTABLE HANDLING THAT FACILITATES PROLONGED USE

DESIGNED WITH MATERIALS THAT MAKE THEM LIGHTWEIGHT AND IMPACT RESISTANT

THANKS TO FOUR NOZZLE TYPES IT CAN BE USED IN DIFFERENT APPLICATIONS



p. 470 / **CAF**



0°C ÷ 60°C

Working pressure:
from 0 to 10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & Vacuum
(do not use with water)

Parallel gas BSPP ISO 228
G1/4"

Body: POM (black)
Nozzle: Stainless steel AISI 304

SUPPLY

Progressive

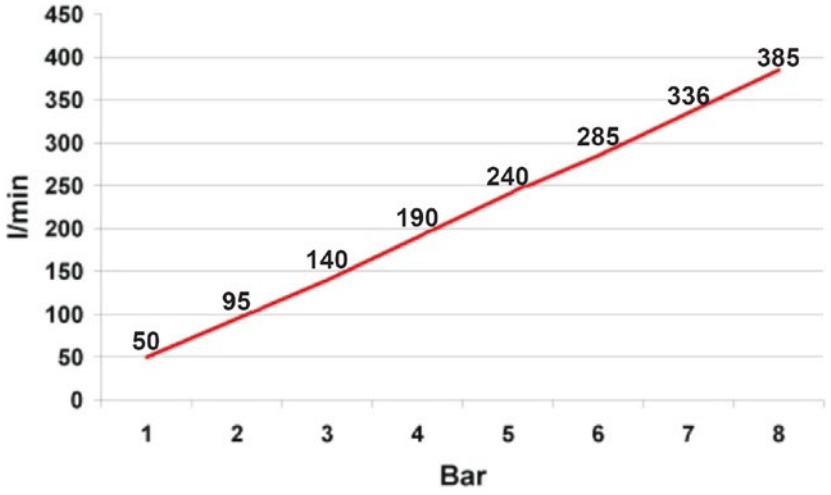
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FLOWRATE
CAF AIR GUNS

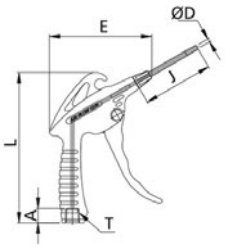


NOZZLE LENGTH
CAF AIR GUNS

CODE	CAF0055FG	CAF010FG	CAF020FG	CAF030FG
LENGTH (mm)	50	100	200	300
CAF				

CAF
Air gun with female BSPP thread





CODE	ØD	T	L	E	A	J	g
CAF005FG	3,0	G 1/4"	142,1	96,8	13,5	50,0	93,0
CAF010FG	3,0	G 1/4"	142,1	96,8	13,5	100,0	106,0
CAF020FG	3,0	G 1/4"	142,1	96,8	13,5	200,0	113,0
CAF030FG	3,0	G 1/4"	142,1	96,8	13,5	300,0	128,0

drawings and technical data are not binding & can be changed without notice

ACCESSORIES & AIR GUNS
CB WITH HIGH FLOWRATE

PLUS

VARIABLE FLOW THROUGH PROGRESSIVE CONTROL TO REDUCE AIR CONSUMPTION

DESIGNED TO GUARANTEE A HIGH AIR FLOW

DESIGN STUDIED FOR A COMFORTABLE HANDLING THAT FACILITATES PROLONGED USE

DESIGNED WITH MATERIALS THAT MAKE THEM LIGHTWEIGHT AND IMPACT RESISTANT

THREE NOZZLE TYPOLOGIES AVAILABLE TO MEET MULTIPLE NEEDS



p. 474 / **CB01**



0°C ÷ 60°C

Working pressure:
from 0 to 10 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & Vacuum
(do not use with water)

Parallel gas BSPP ISO 228
G1/4"

Body: POM blu
Nozzle: Stainless steel AISI 304

SUPPLY
Progressive

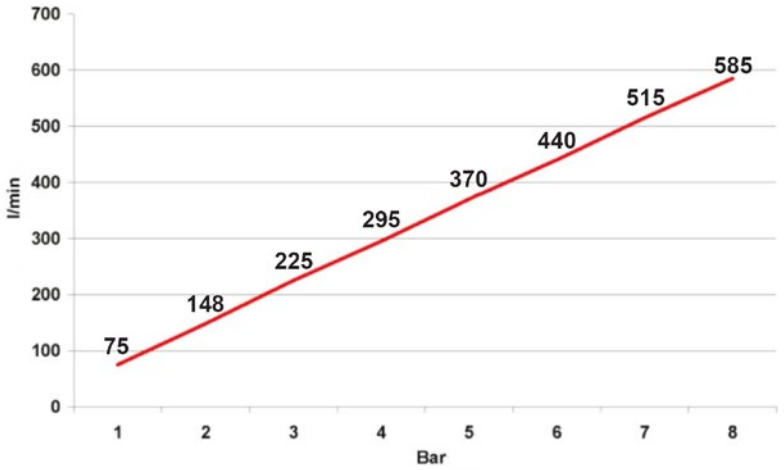
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FLOWRATE
CB01 AIR GUNS

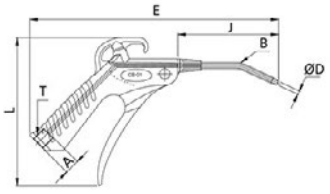


NOZZLE LENGTH
CB01 AIR GUNS

CODE	CB01F010FG	CB01F020FG	CB01F030FG
LENGTH (mm)	100	200	300
CB01			

CB01
Air gun with high flowrate, female BSPP thread





CODE	ØD	T	L	E	A	J	B	g
CB01F010FG	3,5	G 1/4"	143,6	242,7	13,5	100,0	BENT	118,0
CB01F020FG	3,5	G 1/4"	143,6	342,7	13,5	200,0	STRAIGHT	132,0
CB01F030FG	3,5	G 1/4"	143,6	442,7	13,5	300,0	STRAIGHT	147,0

drawings and technical data are not binding & can be changed without notice

ACCESSORIES & AIR GUNS
PSF ALUMINIUM

PLUS

EASY TO USE THANKS TO PUSH-BUTTON OPERATION REDUCING FATIGUE

BODY MADE ENTIRELY FROM PAINTED ALUMINIUM WHICH MAKES IT PARTICULARLY STRONG

POSSIBILITY TO ASSEMBLY EXTENDED BRASS NOZZLES FOR MULTIPLE USES



p. 478 / **PSF**



p. 478 / **L150&L225**



p. 478 / **PSF1010-4**



0°C ÷ 60°C

Working pressure:
12 Bar

Compressed air, water, grease, oil and fluids compatible with construction materials

Parallel gas BSPP ISO 228
G1/4"

Body: Painted aluminium
Standard nozzle: NBR
Button: PA-11
Seals: NBR
Spring: Stainless steel AISI 302

L150&L225: Brass
PSF1010-4: NBR

FLOWRATE

210 l/min at 6 Bar

FEATURES

It is suitable for any type of use in industry, as its main function is the cleaning of elements containing dust, bacterial and oil.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



PSF

Aluminium air gun with female BSPP thread



CODE	THREAD	SIZES	g
PSF1010	G 1/4"	120 x 62 x 25	110,0

L150&L225

Brass nozzles for PSF1010



CODE	THREAD	LENGTH	g
L-150	G 1/8"	158,0	35,0
L-225	G 1/8"	233,0	45,0

PSF1010-4

NBR nozzle for PSF1010



CODE	THREAD	LENGTH	g
PSF1010-4	G 1/8"	20,0	2,0

ACCESSORIES & AIR GUNS

UGPT-7 BLOW COMB COMPRESSED AIR

PLUS

SUITABLE FOR COOLING SYSTEM WITH AIR, FOR MATERIAL HANDLING AND CLEANING OPERATIONS

UNIFORM JET WITH EXCELLENT AIR FLOW

INTERNAL HOLES IN THE COMB TO PREVENT CLOGGING

THESE NOZZLES ENSURE AN UNIFORM DISTRIBUTION AT LOW PRESSURE (7 BAR)



p. 482 / **UGPT7**



0°C ÷ 77°C

Working pressure:
7 Bar

Compressed air

Taper gas BSPT ISO 7
R1/4"

Body: ABS plastic

FLOWRATE - CAPACITY

0,7 Bar: 193 Nlpm
2 Bar: 357 Nlpm
4 Bar: 586 Nlpm
6 Bar: 816 Nlpm

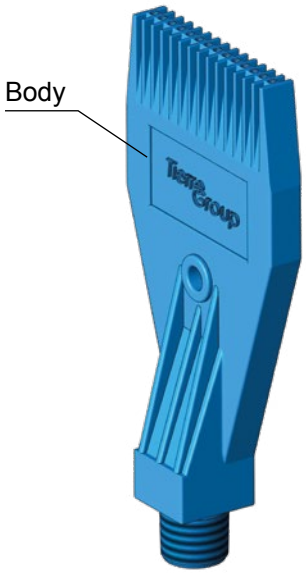
FEATURES

Generate efficient, controlled flat fan air pattern for a uniform spray distribution.
Recessed orifices protect against external damage and offer air escape should the nozzles accidentally be placed against a flat surface.
Low noise levels.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

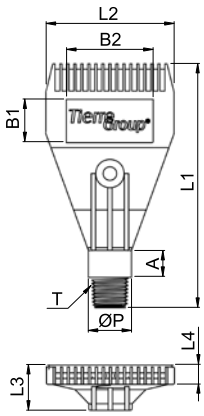
CONSTRUCTION DETAILS



UGPT7

Blow comb compressed air with male BSPT thread

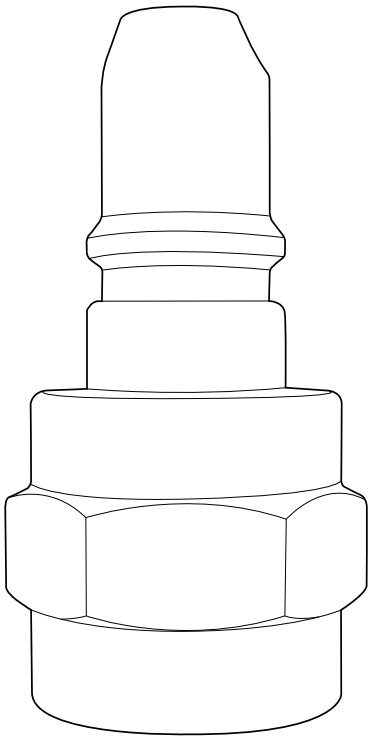




CODE	T	ØP	A	B1	B2	L1	L2	L3	L4
UGPT-7	G 1/4"	15,8	10	16	32	90,5	47,4	16,5	7,0

QUICK COUPLINGS





TECHNICAL INDEX



p. 485
NYLON



p. 489
ACETAL RESIN



p. 497
COMPRESSED AIR



p. 533
AIR&FLUIDS HIGH PERFORMANCE SERIE CD



p. 563
AIR&FLUIDS HIGH PERFORMANCE

QUICK COUPLINGS NYLON

PLUS

AUTOMATIC AND FAST CONNECTION SYSTEM

A VARIETY OF PLUGS IS AVAILABLE TO OPTIMISE CONNECTIONS WITH THE TUBES

LIGHTWEIGHT AND STRONG MATERIALS

CAN BE USE FOR HYDRAULIC AND PNEUMATIC APPLICATIONS



p. 488 / **8001**



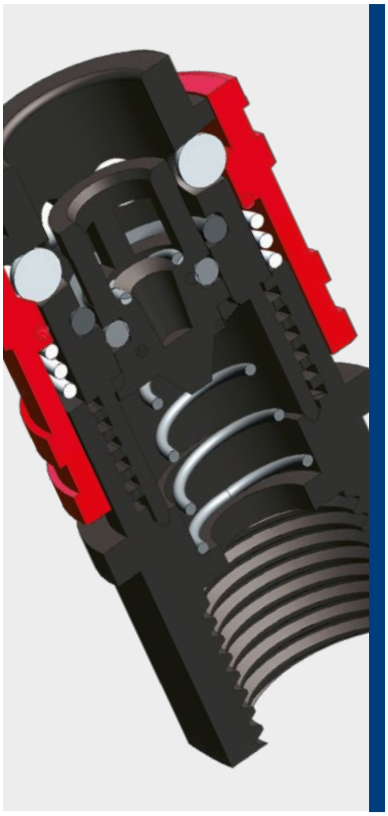
p. 488 / **8006**



p. 488 / **8007**



p. 488 / **8008**



+4°C ÷ +90°C
subject to application

Working pressure:
14 Bar (at 20°C)
depending on the tube used

Compressed air, water and fluids suitable with construction materials

Taper gas BSPT ISO 7
R1/4"

Body: Nylon 66
Seal: NBR
Internal parts: Acetal resin
Spring: Stainless steel AISI 316
Connection: Acetal resin

FEATURES

The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before to use it in order to prevent any type of loss.

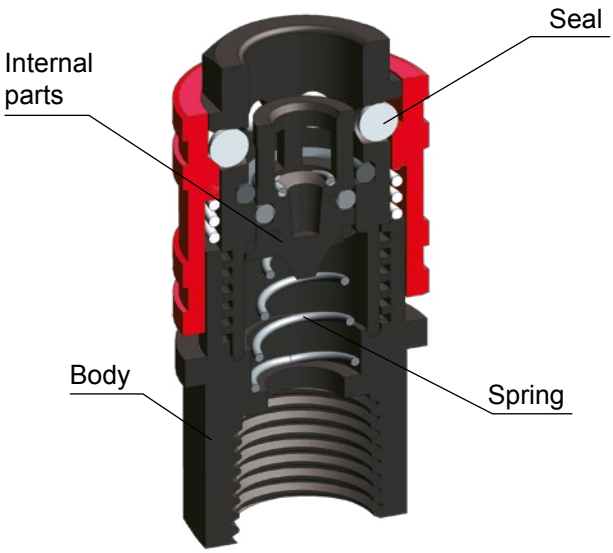
AVAILABILITY

EPDM seals available on request

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

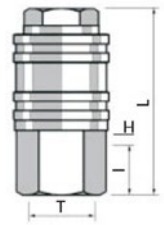


TIGHTENING TORQUE
TAPER GAS BSPT ISO 7

THREAD	1/4"
Nm	0,8

8001 Female nylon quick coupling BSPT thread

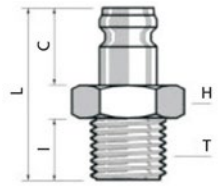




CODE	T	I	L	H	g
8001TR14	R 1/4"	10,0	44,0	19	14,2

8006 Male acetal resin connection BSPT thread

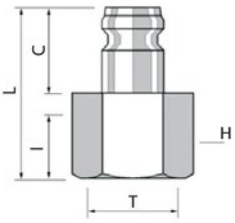




CODE	T	I	L	C	H	g
8006TR14	R 1/4"	10,0	31,2	14,0	17	3,9

8007 Female acetal resin connection BSPT thread

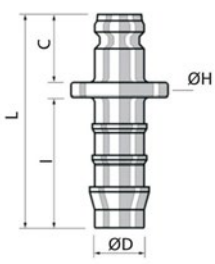




CODE	T	I	L	C	H	g
8007TR14	R 1/4"	10,0	28,6	14,0	17	3,6

8008 Acetal resin connection with barb connector





CODE	ØD	BARB	I	L	C	ØH	g
8008TR5	5	6,0	22,0	37,8	14,0	16,7	2,1
8008TR6	6	8,0	24,0	39,8	14,0	16,7	2,35
8008TR8	8	10,0	26,0	43,2	14,0	16,8	3,25
8008TR10	10	12,0	26,0	43,2	14,0	16,8	3,85
8008TR12	12	14,0	28,0	43,2	14,0	16,8	4,15

drawings and technical data are not binding & can be changed without notice

QUICK COUPLINGS ACETAL RESIN

PLUS

DESIGNED TO LAST IN TIME AND TO RESIST TO MOST CHEMICALS

AVAILABLE IN BOTH VALVED AND NON-VALVED CONFIGURATIONS

EASY CONNECTION AND DISCONNETION

A CLICK WARNS OF THE PERFECT CONNECTION BETWEEN COUPLING AND PLUG



p. 492 / **20AC100**



p. 492 / **40AC100**



p. 492 / **20AC110**



p. 492 / **40AC110**



p. 493 / **20AC120**



p. 493 / **40AC120**



p. 493 / **20AC101**



p. 493 / **40AC101**



p. 494 / **20AC111**



p. 494 / **40AC111**



p. 494 / **20AC121**



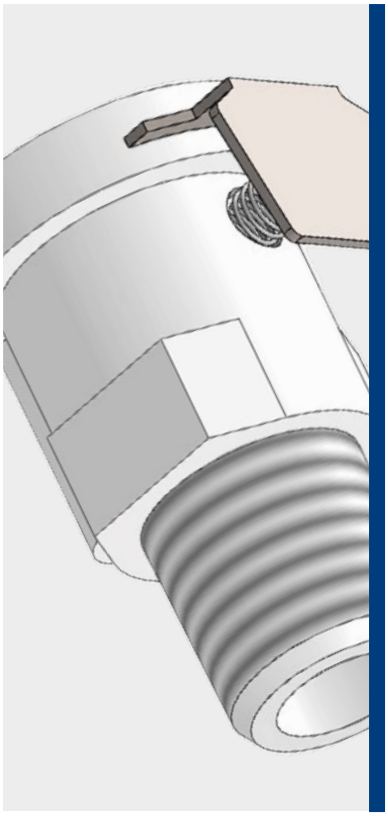
p. 494 / **40AC121**



p. 495 / **20AC131**



p. 495 / **40AC131**



-40°C ÷ +82°C

Working pressure:
8 Bar
Negative pressure:
- 0,95 Bar (- 95 Kpa)

20AC series:
3,0 mm
40AC series:
6,2 mm

Compressed air, vacuum, water and fluids suitable with construction materials

Taper gas BSPT ISO 7 from R1/8" to R3/8"

Body: POM
Internal valve: POM
Internal valve spring: Stainless steel AISI 316
Seals: BUNA-N FDA & NSF compliant
Thumb-latch: Stainless steel
Exsternal spring & PIN: Stainless steel

FEATURES

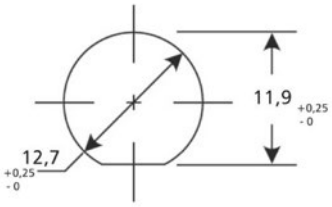
The fittings of this series have plastic thread and consecuently we reccomended to avoid excessive force during screwing and to teflon the thread before use in order to prevent any type of loss.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

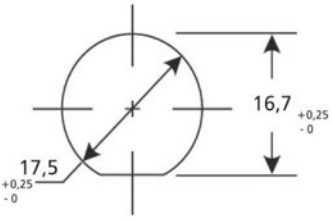
DIMENSIONS FOR PANEL MOUNTING
QUICK COUPLINGS ACETAL RESIN - 20AC

	MIN. WALL THICKNESS (mm)	MAX. WALL THICKNESS (mm)	PANEL NUT HEX SIZE (mm)	PANEL NUT THREAD
COUPLING	1,3	12,7	16	1/2" (24 UNS)
CONNECTOR	1,3	7,6	16	1/2" (24 UNS)



DIMENSIONS FOR PANEL MOUNTING
QUICK COUPLINGS ACETAL RESIN - 40AC

	MIN. WALL THICKNESS (mm)	MAX. WALL THICKNESS (mm)	PANEL NUT HEX SIZE (mm)	PANEL NUT THREAD
COUPLING	1,3	12,7	21	11/16" (24 UNS)
CONNECTOR	1,3	7,6	21	11/16" (24 UNS)

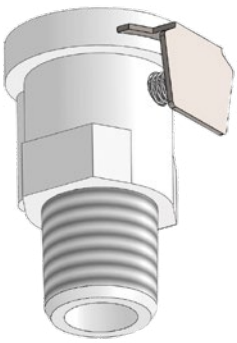


BARB Ø
ACETAL RESIN BARB CONNECTOR

ØD (mm)	3,2	4,8	6,4	8,0	9,5
ØB (mm)	4,8	6,3	7,6	9,1	10,7



VIEW - QUICK COUPLING 20AC100

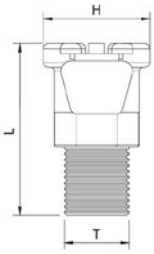


drawings and technical data are not binding & can be changed without notice

20AC100

Male quick coupling BSPT thread, DN 3,0mm



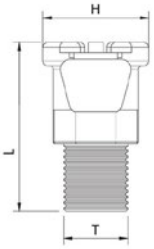


CODE	INTERCEPTED	T	L	H
20AC100L-R01	NO	R 1/8"	25,4	15,8
20AC100V-R01	YES	R 1/8"	25,4	15,8
20AC100L-R02	NO	R 1/4"	27,9	15,8
20AC100V-R02	YES	R 1/4"	27,9	15,7

40AC100

Male quick coupling BSPT thread, DN 6,2mm



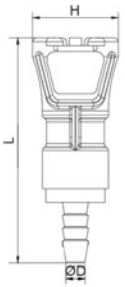


CODE	INTERCEPTED	T	L	H
40AC100L-R02	NO	R 1/4"	29,2	19,1
40AC100V-R02	YES	R 1/4"	29,2	19,1
40AC100L-R03	NO	R 3/8"	29,2	19,1
40AC100V-R03	YES	R 3/8"	29,2	19,1

20AC110

Quick coupling with barb connector, DN 3,0mm



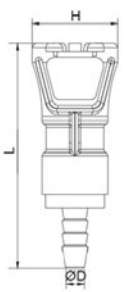


CODE	INTERCEPTED	ØD	BARB	L	H
20AC110L-48	NO	3,2	4,8	41,7	15,8
20AC110V-48	YES	3,2	4,8	41,7	15,8
20AC110L-63	NO	4,8	6,4	45,7	15,8
20AC110V-63	YES	4,8	6,4	45,7	15,8
20AC110L-76	NO	6,4	7,6	45,7	15,8
20AC110V-76	YES	6,4	7,6	45,7	15,8

40AC110

Quick coupling with barb connector, DN 6,2mm





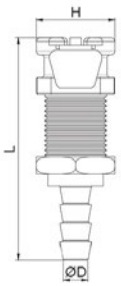
CODE	INTERCEPTED	ØD	BARB	L	H
40AC110L-76	NO	6,4	7,6	48,3	19,1
40AC110V-76	YES	6,4	7,6	48,3	19,1
40AC110L-91	NO	8,0	9,1	49,3	19,1
40AC110V-91	YES	8,0	9,1	49,3	19,1
40AC110L-107	NO	9,5	10,7	48,3	19,1
40AC110V-107	YES	9,5	10,7	48,3	19,1

drawings and technical data are not binding & can be changed without notice

20AC120

Bulkhead quick coupling with barb connector, DN 3,0mm



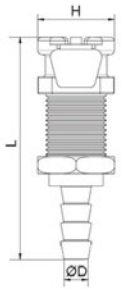


CODE	INTERCEPTED	ØD	BARB	L	H
20AC120L-48	NO	3,2	4,8	41,9	15,8
20AC120V-48	YES	3,2	4,8	41,9	15,8
20AC120L-63	NO	4,8	6,4	46,0	15,8
20AC120V-63	YES	4,8	6,4	46,0	15,8
20AC120L-76	NO	6,4	7,6	45,7	15,8
20AC120V-76	YES	6,4	7,6	45,7	15,8

40AC120

Bulkhead quick coupling with barb connector, DN 6,2mm



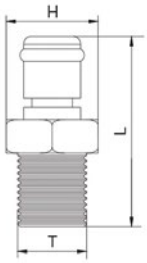


CODE	INTERCEPTED	ØD	BARB	L	H
40AC120L-76	NO	6,4	7,6	48,3	19,1
40AC120V-76	YES	6,4	7,6	48,3	19,1
40AC120L-91	NO	8,0	9,1	49,0	20,4
40AC120V-91	YES	8,0	9,1	49,0	20,4
40AC120L-107	NO	9,5	10,6	48,3	20,4
40AC120V-107	YES	9,5	10,6	48,3	20,4

20AC101

Male connection BSPT thread, DN 3,0mm



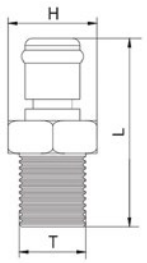


CODE	INTERCEPTED	T	L	H
20AC101L-R01	NO	R 1/8"	26,2	12,7
20AC101V-R01	YES	R 1/8"	34,8	12,7
20AC101L-R02	NO	R 1/4"	28,7	14,2
20AC101V-R02	YES	R 1/4"	35,3	14,2

40AC101

Male connection BSPT thread, DN 6,2mm





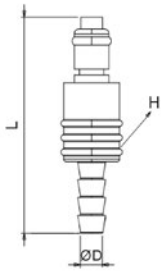
CODE	INTERCEPTED	T	L	H
40AC101L-R02	NO	R 1/4"	31,8	16,0
40AC101L-R03	NO	R 3/8"	32,0	19,1

drawings and technical data are not binding & can be changed without notice

20AC111

Connection with barb connector, DN 3,0mm



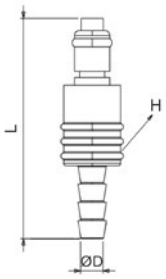


CODE	INTERCEPTED	ØD	BARB	L	H
20AC111L-48	NO	3,2	4,8	24,7	12,7
20AC111V-48	YES	3,2	4,8	41,9	14,0
20AC111L-63	NO	4,8	6,4	28,8	12,7
20AC111V-63	YES	4,8	6,4	46,0	14,0
20AC111L-76	NO	6,4	7,6	28,8	12,7
20AC111V-76	YES	6,4	7,6	46,0	14,0

40AC111

Connection with barb connector, DN 6,2mm



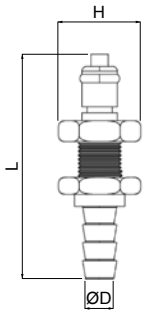


CODE	INTERCEPTED	ØD	BARB	L	H
40AC111L-76	NO	6,4	7,6	31,8	15,6
40AC111V-76	YES	6,4	7,6	49,3	17,8
40AC111L-91	NO	8,0	9,1	32,8	15,6
40AC111V-91	YES	8,0	9,1	50,5	17,9
40AC111L-107	NO	9,5	10,6	32,2	16,6
40AC111V-107	YES	9,5	10,6	46,2	17,9

20AC121

Bulkhead connection with barb connector, DN 3,0mm



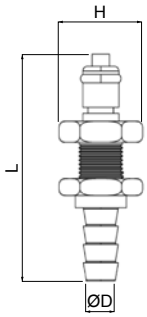


CODE	INTERCEPTED	ØD	BARB	L	H
20AC121L-48	NO	3,2	4,8	40,4	15,8
20AC121V-48	YES	3,2	4,8	43,2	15,8
20AC121L-63	NO	4,8	6,4	45,0	15,8
20AC121V-63	YES	4,8	6,4	47,4	15,8
20AC121L-76	NO	6,4	7,6	44,7	15,8
20AC121V-76	YES	6,4	7,6	47,2	15,8

40AC121

Bulkhead connection with barb connector, DN 6,2mm





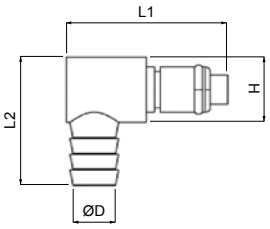
CODE	INTERCEPTED	ØD	BARB	L	H
40AC121L-76	NO	6,4	7,6	47,2	20,4
40AC121V-76	YES	6,4	7,6	50,8	20,4
40AC121V-91	YES	8,0	9,1	52,1	19,0
40AC121L-107	NO	9,5	10,7	47,5	19,0
40AC121V-107	YES	9,5	10,7	51,1	20,4

drawings and technical data are not binding & can be changed without notice

20AC131

Elbow connection with barb connector, DN 3,0mm



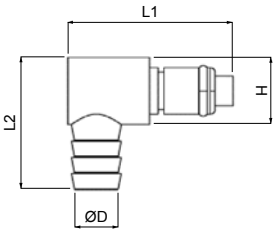


CODE	INTERCEPTED	ØD	BARB	L1	L2	H
20AC131L-48	NO	3,2	4,8	21,7	25,4	12,7
20AC131V-48	YES	3,2	4,8	30,3	24,2	12,7
20AC131L-76	NO	6,4	7,6	25,4	29,2	12,7
20AC131V-76	YES	6,4	7,6	30,3	28,0	12,7

40AC131

Elbow connection with barb connector, DN 6,2mm





CODE	INTERCEPTED	ØD	BARB	L1	L2	H
40AC131L-76	NO	6,4	7,6	27,9	32,3	16,0
40AC131V-76	YES	6,4	7,6	34,1	31,1	16,0
40AC131L-107	NO	9,5	10,6	27,9	32,3	16,0
40AC131V-107	YES	9,5	10,6	35,2	31,3	16,0

drawings and technical data are not binding & can be changed without notice

TierreGroup®

Always a fittings solution



FOLLOW US!

QUICK COUPLINGS COMPRESSED AIR

PLUS

SIMPLE CONNECTION AND DISCONNETION WHICH CAN BE DONE ONE HANDED

COMPACT AND LIGHTWEIGHT

MANY THREADED CONNECTIONS TO CONNECT DIFFERENT TYPES OF TUBES

MULTISOCKET VERSION COMPATIBLE WITH FOUR DIFFERENT NORMALIZED PROFILES

QUICK COUPLINGS FOR COMPRESSED AIR / MINI SERIES


p. 502 / **8110FM**


p. 502 / **8120FF**


p. 502 / **8130RE**


p. 502 / **8140CA**


p. 503 / **8150MO**


p. 503 / **8155BU**


p. 503 / **8160MM**


p. 503 / **8170FM**


p. 504 / **8180RE**


p. 504 / **8190CA**


p. 504 / **8195MO**

QUICK COUPLINGS FOR COMPRESSED AIR / TIERRE UNIVERSAL SERIES


p. 506 / **8410FM**


p. 506 / **8420FF**


p. 506 / **8430RE**


p. 506 / **8440PO**


p. 507 / **8450MO**


p. 507 / **8410FM-LU**


p. 507 / **8420FF-LU**

QUICK COUPLINGS FOR COMPRESSED AIR / ITALY SERIES


p. 510 / **8210FM**


p. 510 / **8220FF**


p. 510 / **8240PO**


p. 511 / **8250MO**


p. 511 / **8260MM**


p. 511 / **8270FM**


p. 512 / **8230PO**


p. 512 / **8285BM**


p. 512 / **8295MO**

QUICK COUPLINGS FOR COMPRESSED AIR / GERMANY SERIES


p. 514 / **8310FM**


p. 514 / **8320FF**


p. 514 / **8330RE**


p. 515 / **8390PO**


p. 515 / **8350MO**


p. 515 / **8360MM**


p. 515 / **8370FM**


p. 516 / **8340PO**


p. 516 / **8380RE**


p. 516 / **8395MO**

QUICK COUPLINGS FOR COMPRESSED AIR / USA SERIES - ISO 6150-B12


p. 518 / **8060MM**


p. 518 / **8070FM**


p. 518 / **8080RE**


p. 519 / **8085PO**


p. 519 / **8090MO**

QUICK COUPLINGS FOR COMPRESSED AIR / SWISS SERIES


p. 522 / **8460MM**


p. 522 / **8470FM**


p. 522 / **8480RE**


p. 523 / **8485PO**


p. 523 / **8490MO**

QUICK COUPLINGS FOR COMPRESSED AIR / LARGE SERIES


p. 526 / **8215FM**


p. 526 / **8225FF**


p. 526 / **8235PO**


p. 527 / **8245PO**


p. 527 / **8255MM**

QUICK COUPLINGS FOR COMPRESSED AIR / JAPAN SERIES



p. 530 / **8910FM**



p. 530 / **8920FF**



p. 530 / **8930RE**



p. 531 / **8960MM**



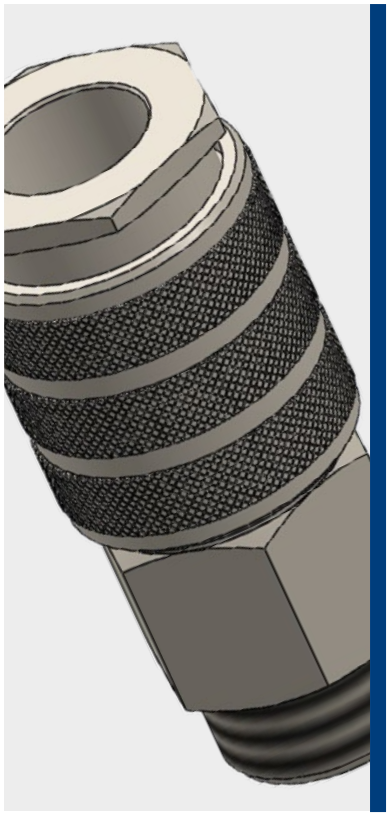
p. 531 / **8970FM**



p. 531 / **8980RE**



p. 531 / **PCP**



-18°C ÷ +80°C

Working pressure:
12 Bar

Compressed air

- Taper gas BSPT ISO 7
  R1/8" and R1/4"
- Parallel gas BSPP ISO 228
  G1/8" and G1/4"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - MINI SERIES



NOMINAL DIAMETER

4,8 mm

AIR FLOWRATE

1100 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - QUICK COUPLING 8110FM



8110FM

Male quick coupling BSPT thread



CODE	THREAD	LENGTH	WRENCH
8110FM01	R 1/8"	38,9	14
8110FM02	R 1/4"	37,7	14

8120FF

Female quick coupling BSPP thread



CODE	THREAD	LENGTH	WRENCH
8120FF01	G 1/8"	38,9	14
8120FF02	G 1/4"	40,7	15

8130RE

Quick coupling with barb connector



CODE	INTERNAL TUBE Ø	BARB	LENGTH	WRENCH
8130RE06	6	6,3	49,0	14
8130RE08	8	8,3	49,0	14

8140CA

Quick coupling with push-on connector



CODE	Ø	LENGTH	WRENCH
8140CA46	4x6	42,9	14
8140CA68	6x8	43,6	14
8140CA810	8x10	45,0	14

drawings and technical data are not binding & can be changed without notice

8150MO

Quick coupling with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8150MO46	4x6	115,6	14	12
8150MO68	6x8	128,3	14	13
8150MO810	8x10	129,2	14	15

8155BU

Bulkhead quick coupling with push-on connector



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8155BU46	4x6	57,7	14	12
8155BU68	6x8	58,0	17	14

8160MM

Male connection BSPT thread



CODE	THREAD	LENGTH	WRENCH
8160MM01	R 1/8"	26,0	12
8160MM02	R 1/4"	28,4	14

8170FM

Female connection BSPP thread



CODE	THREAD	LENGTH	WRENCH
8170FM01	G 1/8"	26,0	12
8170FM02	G 1/4"	28,4	14

8180RE

Connection with barb connector



CODE	INTERNAL TUBE Ø	BARB	LENGTH
8180RE06	6	6,4	33,0
8180RE08	8	8,5	34,5

8190CA

Connection with push-on connector



CODE	Ø	LENGTH	WRENCH
8190CA46	4x6	32,5	12
8190CA68	6x8	33,1	12
8190CA810	8x10	34,7	14

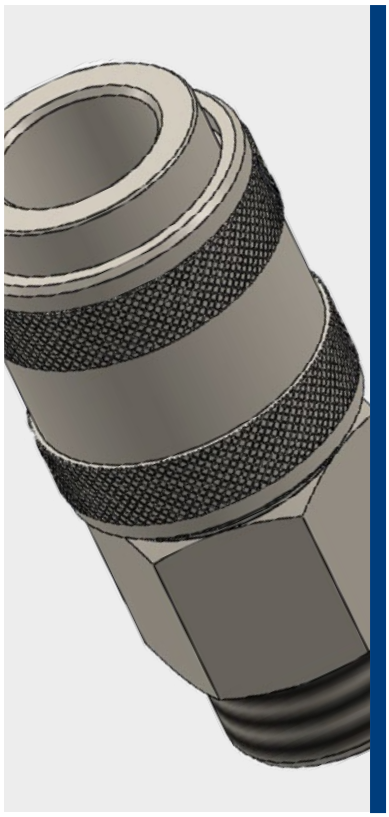
8195MO

Connection with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8195MO46	4x6	104,3	12	12
8195MO68	6x8	117,0	12	12
8195MO810	8x10	120,4	14	15

drawings and technical data are not binding & can be changed without notice



-15°C ÷ +80°C

Working pressure:
16 Bar (High Flow)
12 Bar (Light Flow)

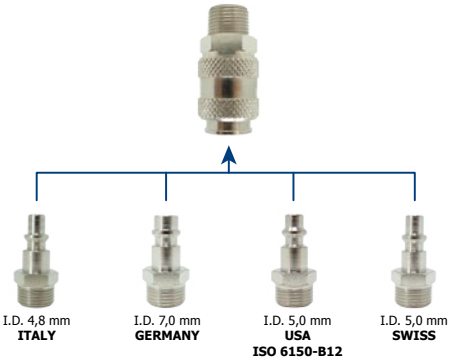
- Taper gas BSPT ISO 7 from R1/4" to R1/2"
- Parallel gas BSPP ISO 228 from G1/4" to G1/2"

Compressed air

High Flow: Nickel-plated brass with 6 stainless steel spheres
Light Flow:: Nickel-plated brass

PROFILE - TIERRE UNIVERSAL SERIES

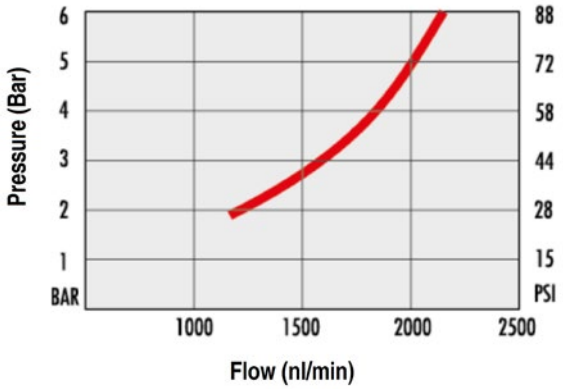
The 8400 Series multi-socket allows 4 different profiles to be used while managing a single quick coupling. A simple solution for handling profiles that are not compatible with each other.



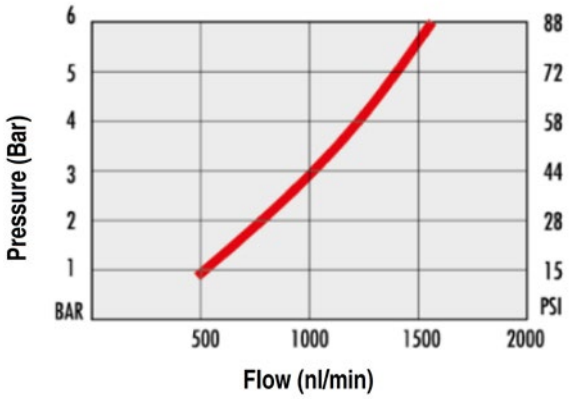
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

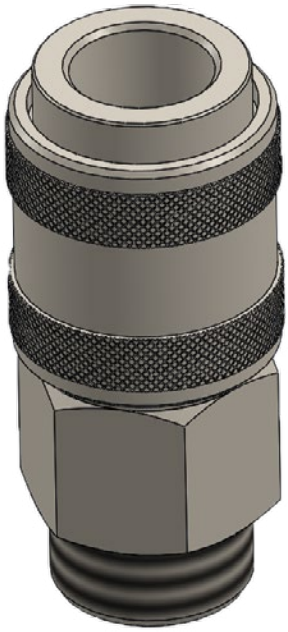
AIR FLOWRATE - HIGH FLOW
TIERRE UNIVERSAL SERIES



AIR FLOWRATE - LIGHT FLOW
TIERRE UNIVERSAL SERIES - 8410FM-LU & 8420FF-LU



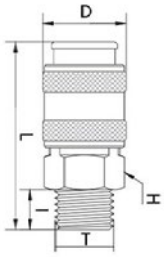
VIEW - QUICK COUPLING 8410FM



8410FM

Male quick coupling BSPT thread



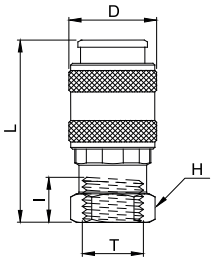


CODE	T	I	D	L	H
8410FM02	R 1/4"	11,0	24,0	58,0	20
8410FM03	R 3/8"	11,5	24,0	54,0	20
8410FM04	R 1/2"	14,0	24,0	56,5	22

8420FF

Female quick coupling BSPP thread



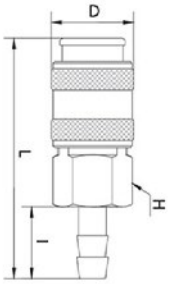


CODE	T	I	D	L	H
8420FF02	G 1/4"	11,0	24,0	51,0	20
8420FF03	G 3/8"	12,0	24,0	51,0	20
8420FF04	G 1/2"	14,0	28,0	55,0	25

8430RE

Quick coupling with barb connector



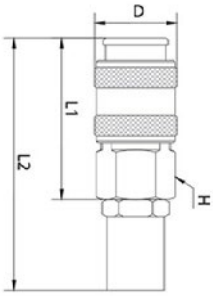


CODE	INT. TUBE Ø	I	BARB	D	L	H
8130RE06	6	20,0	6,5	24,0	67,0	20
8130RE08	8	20,0	9,0	24,0	67,0	20
8130RE10	10	20,0	11,5	24,0	67,0	20
8130RE12	12	24,0	13,5	24,0	71,0	20

8440PO

Quick coupling with hose connector





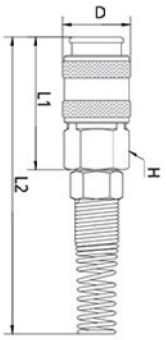
CODE	Ø	D	L1	L2	H
8440PO610	6x10	24	47,0	73,0	20
8440PO612	6x12	24	47,0	73,0	20
8440PO614	6x14	24	47,0	73,5	20
8440PO812	8x12	24	47,0	73,0	20
8440PO814	8x14	24	47,0	73,5	20
8440PO817	8x17	24	47,0	73,5	20
8440PO10145	10x14,5	24	47,0	73,5	20
8440PO1017	10x17	24	47,0	73,5	20
8440PO1019	10x19	24	47,0	77,0	20

drawings and technical data are not binding & can be changed without notice

8450MO

Quick coupling with push-on connector and spring



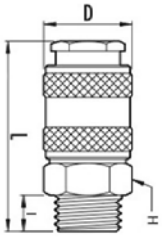


CODE	Ø	D	L1	L2	H
8450MO58	5x8	24,0	47,0	148,0	20
8450MO68	6x8	24,0	47,0	148,0	20
8450MO6510	6,5x10	24,0	47,0	148,0	20
8450MO810	8x10	24,0	47,0	148,0	20
8450MO812	8x12	24,0	38,0	155,0	20
8450MO1012	10x12	24,0	38,0	155,0	20

8410FM-LU

Male quick coupling BSPP thread - LIGHT FLOW



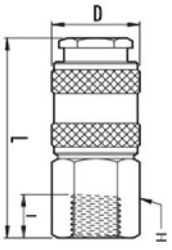


CODE	T	l	D	L	H
8410FM02LU	G 1/4"	9,0	22,0	46,0	19
8410FM03LU	G 3/8"	9,0	22,0	47,5	19
8410FM04LU	G 1/2"	10,5	22,0	48,5	22

8420FF-LU

Female quick coupling BSPP thread - LIGHT FLOW





CODE	T	l	D	L	H
8420FF02LU	G 1/4"	11,0	22,0	52,5	19
8420FF03LU	G 3/8"	12,0	22,0	52,5	19

TierreGroup®

Always a fittings solution



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-18°C ÷ +80°C

Working pressure:
12 Bar

Compressed air

Parallel gas BSPP ISO 228
from G1/8" to G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - ITALY SERIES



NOMINAL DIAMETER

4,8 mm

AIR FLOWRATE

1600 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - QUICK COUPLING 8210FM



8210FM

Male quick coupling BSPP thread



CODE	THREAD	LENGTH	WRENCH
8210FM01	G 1/8"	51,9	19
8210FM02	G 1/4"	52,1	19
8210FM03	G 3/8"	52,2	19
8210FM04	G 1/2"	55,5	22

8220FF

Female quick coupling BSPP thread



CODE	THREAD	LENGTH	WRENCH
8220FF01	G 1/8"	52,3	19
8220FF02	G 1/4"	52,2	19
8220FF03	G 3/8"	58,0	19
8220FF04	G 1/2"	58,1	25

8240PO

Quick coupling with hose connector



CODE	TUBE Ø	LENGTH	WRENCH 1	WRENCH 2
8240PO610	6x10	70,5	19	15
8240PO612	6x12	72,0	19	15
8240PO613	6x13	70,5	19	16
8240PO614	6x14	70,5	19	17
8240PO716	7x16	73,2	19	19
8240PO812	8x12	70,5	19	15
8240PO813	8x13	70,5	19	15
8240PO815	8x15	70,5	19	15
8240PO817	8x17	71,1	19	20
8240PO1017	10x17	76,2	19	18
8240PO1019	10x19	77,8	19	20

drawings and technical data are not binding & can be changed without notice

8250MO

Quick coupling with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8250MO46	4x6	131,1	19	12
8250MO58	5x8	140,5	19	13
8250MO68	6x8	138,7	19	12
8250MO6510	6,5x10	140,0	19	15
8250MO810	8x10	144,3	19	15
8250MO1012	10x12	148,7	19	17

8260MM

Male connection BSPP thread



CODE	THREAD	LENGTH	WRENCH
8260MM01	G 1/8"	34,7	13
8260MM02	G 1/4"	37,9	14
8260MM03	G 3/8"	38,2	17
8260MM04	G 1/2"	42,1	22

8270FM

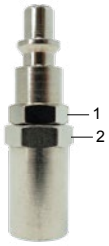
Female connection BSPP thread



CODE	THREAD	LENGTH	WRENCH
8270FM01	G 1/8"	29,0	13
8270FM02	G 1/4"	37,0	15
8270FM03	G 3/8"	38,1	19
8270FM04	G 1/2"	42,0	25

8230PO

Connection with hose connector



CODE	ØD	LENGTH	WRENCH 1	WRENCH 2
8230PO610	6x10	55,5	13	15
8230PO612	6x12	55,5	13	15
8230PO613	6x13	54,8	13	16
8230PO614	6x14	55,7	12	17
8230PO716	7x16	55,1	13	19
8230PO812	8x12	55,0	13	15
8230PO813	8x13	55,0	13	16
8230PO815	8x15	55,0	13	18
8230PO817	8x17	55,4	13	20
8230PO1017	10x17	57,9	13	20
8230PO1019	10x19	59,8	13	22

8285BM

Bayonet male connection



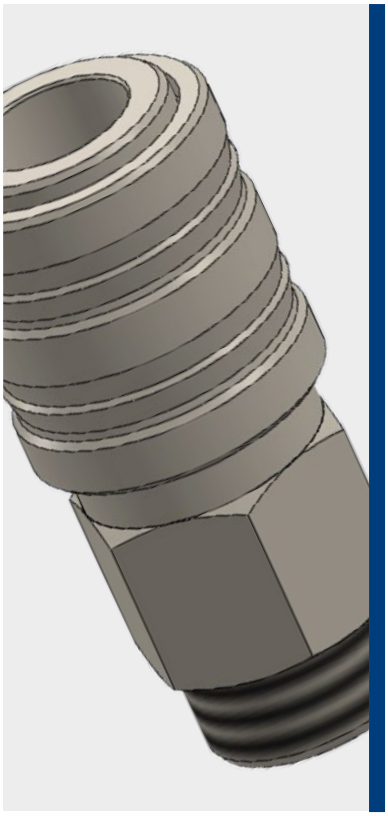
CODE	ØD	LENGTH
8285BM55	5,5	155,8

8295MO

Connection with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8295MO46	4x6	112,1	12	12
8295MO58	5x8	125,5	13	13
8295MO68	6x8	124,9	13	13
8295MO6510	6,5x10	126,0	12	15
8295MO810	8x10	123,7	13	15
8295MO812	8x12	125,5	15	17
8295MO1012	10x12	127,5	15	17



-18°C ÷ +80°C

Working pressure:
12 Bar

Compressed air

- Taper gas BSPT ISO 7
  from R1/8" to R1/2"
- Parallel gas BSPP ISO 228
  from G1/4" to G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - GERMANY SERIES



NOMINAL DIAMETER

7,0 mm

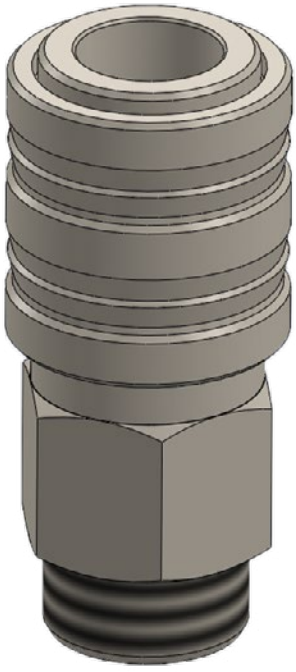
AIR FLOWRATE

2000 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - QUICK COUPLING 8310FM



8310FM

Male quick coupling BSPT thread



CODE	THREAD	LENGTH	WRENCH
8310FM01	R 1/8"	50,0	19
8310FM02	R 1/4"	51,5	19
8310FM03	R 3/8"	51,5	19
8310FM04	R 1/2"	54,5	22

8320FF

Female quick coupling BSPP thread



CODE	THREAD	LENGTH	WRENCH
8320FF02	G 1/4"	51,4	19
8320FF03	G 3/8"	57,0	19
8320FF04	G 1/2"	54,3	25

8330RE

Quick coupling with barb connector



CODE	INT. TUBE Ø	LENGTH	WRENCH
8330RE06	6	38,5	19
8330RE07	7	61,5	19
8330RE08	8	63,1	19
8330RE09	9	63,3	19
8330RE10	10	65,7	19
8330RE11	11	66,0	19
8330RE12	12	66,7	19
8330RE13	13	66,3	19
8330RE14	14	66,5	19

drawings and technical data are not binding & can be changed without notice

8390PO

Quick coupling with hose connector



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8390PO610	6x10	72,5	19	15
8390PO612	6x12	72,5	19	15
8390PO614	6x14	73,2	19	20
8390PO716	7x16	72,5	19	20
8390PO812	8x12	70,0	19	15
8390PO815	8x15	70,0	19	20
8390PO817	8x17	70,3	19	20
8390PO1019	10x19	76,4	19	20

8350MO

Quick coupling with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8350MO46	4x6	129,0	19	12
8350MO58	5x8	139,0	19	13
8350MO68	6x8	137,0	19	13
8350MO6510	6,5x10	140,0	19	15
8350MO810	8x10	139,5	19	15
8350MO812	8x12	142,5	19	17
8350MO1012	10x12	144,7	19	17

8360MM

Male connection BSPT thread



CODE	THREAD	LENGTH	WRENCH
8360MM01	R 1/8"	32,0	12
8360MM02	R 1/4"	33,5	14
8360MM03	R 3/8"	35,5	17
8360MM04	R 1/2"	38,4	22

8370FM

Female connection BSPP thread



CODE	THREAD	LENGTH	WRENCH
8370FM02	G 1/4"	33,1	15
8370FM03	G 3/8"	35,0	19
8370FM04	G 1/2"	38,0	25

8340PO

Connection with hose connector



CODE	Ø	LENGTH	WRENCH 1	WRENCH2
8340PO610	6x10	54,0	13	15
8340PO612	6x12	54,0	13	15
8340PO614	6x14	53,0	13	17
8340PO716	7x16	53,0	13	18
8340PO812	8x12	54,0	13	15
8340PO815	8x15	54,0	13	18
8340PO817	8x17	54,0	13	20
8340PO1019	10x19	58,0	13	22

8380RE

Connection with barb connector



CODE	INTERNAL TUBE Ø	LENGTH
8380RE06	6	39,4
8380RE07	7	59,0
8380RE08	8	63,4
8380RE09	9	41,3
8380RE10	10	63,5
8380RE11	11	63,5
8380RE12	12	63,6
8380RE13	13	66,3
8380RE14	14	66,7

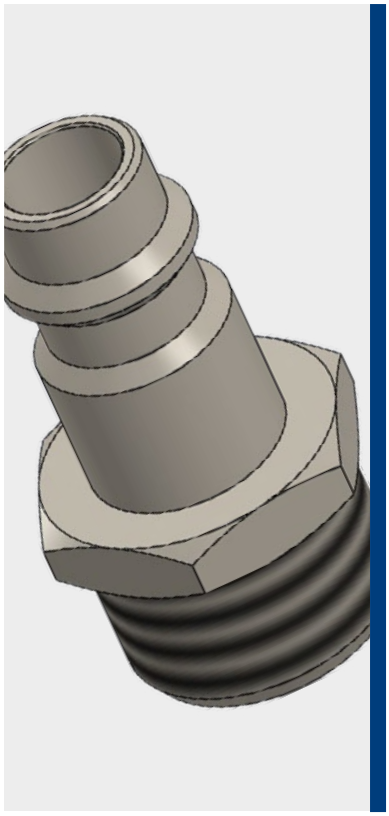
8395MO

Connection with push-on connector and spring



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8395MO46	4x6	110,0	13	12
8395MO58	5x8	119,5	13	13
8395MO68	6x8	120,0	13	13
8395MO6510	6,5x10	121,0	13	15
8395MO810	8x10	121,0	13	15
8395MO812	8x12	123,0	15	17
8395MO1012	10x12	121,0	15	17

drawings and technical data are not binding & can be changed without notice



-18°C ÷ +80°C

Working pressure:
12 Bar

Compressed air

Parallel gas BSPP ISO 228
from G1/4" to G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - USA ISO 6150-B12



NOMINAL DIAMETER

5,0 mm

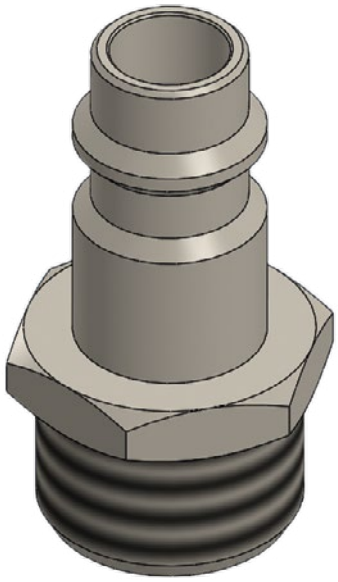
AIR FLOWRATE

1600 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - CONNECTION 8060MM



8060MM

Male connection BSPP thread



CODE	THREAD
8060MM02	G 1/4"
8060MM03	G 3/8"
8060MM04	G 1/2"

8070FM

Female connection BSPP thread



CODE	THREAD
8070FM02	G 1/4"
8070FM03	G 3/8"
8070FM04	G 1/2"

8080RE

Connection with barb connector



CODE	INTERNAL TUBE Ø
8080RE06	6
8080RE08	8
8080RE10	10
8080RE12	12

8085PO

Connection with hose connector



CODE	Ø
8085PO610	6x10
8085PO612	6x12
8085PO614	6x14
8085PO812	8x12
8085PO814	8x14
8085PO817	8x17
8085PO10145	10x14,5
8085PO1017	10x17
8085PO1019	10x19

8090MO

Connection with push-on connector and spring



CODE	Ø
8090MO46	4x6
8090MO58	5x8
8090MO68	6x8
8090MO6510	6,5x10
8090MO810	8x10
8090MO812	8x12
8090MO1012	10x12

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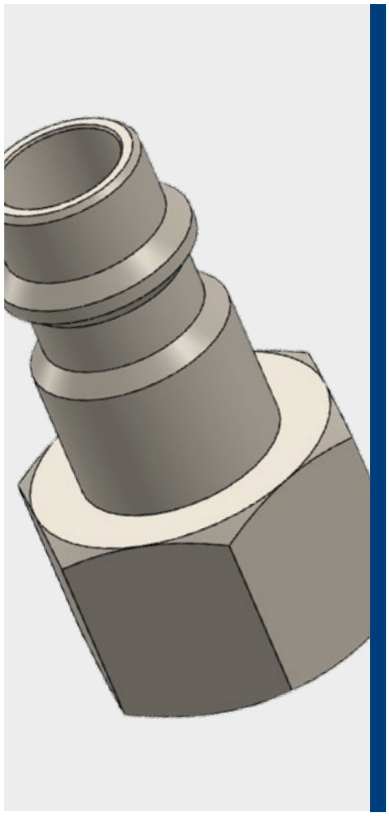




Raccordi per un'unione perfetta

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-15°C ÷ +80°C

Working pressure:
16 Bar

Compressed air

Parallel gas BSPP ISO 228
from G1/4" to G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - SWISS



NOMINAL DIAMETER

5,0 mm

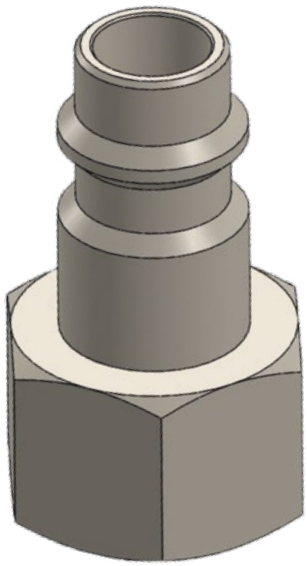
AIR FLOWRATE

2000 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - CONNECTION 8470FM



8460MM

Male connection BSPP thread



CODE	THREAD
8460MM02	G 1/4"
8460MM03	G 3/8"
8460MM04	G 1/2"

8470FM

Female connection BSPP thread



CODE	THREAD
8470FM02	G 1/4"
8470FM03	G 3/8"
8470FM04	G 1/2"

8480RE

Connection with barb connector



CODE	INTERNAL TUBE Ø
8480RE06	6
8480RE08	8
8480RE10	10
8480RE12	12

drawings and technical data are not binding & can be changed without notice

8485PO

Connection with hose connector



CODE	Ø
8485PO610	6x10
8485PO612	6x12
8485PO614	6x14
8485PO812	8x12
8485PO814	8x14
8485PO817	8x17
8485PO10145	10x14,5
8485PO1017	10x17
8485PO1019	10x19

8490MO

Connection with push-on connector and spring



CODE	Ø
8490MO46	4x6
8490MO58	5x8
8490MO68	6x8
8490MO6510	6,5x10
8490MO810	8x10
8490MO812	8x12
8490MO1012	10x12

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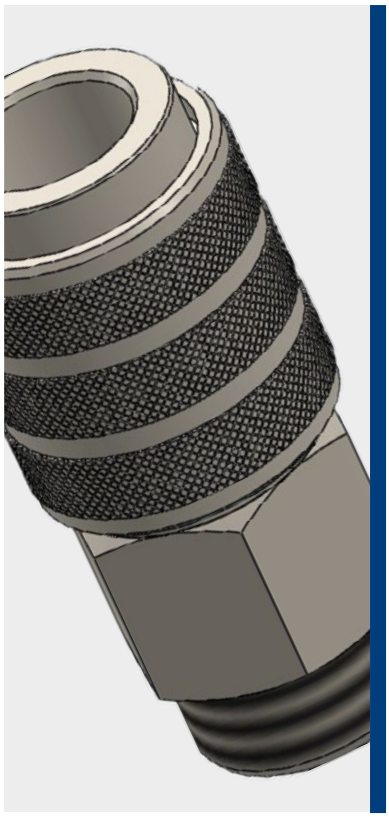




Raccordi per un'unione perfetta

TierreGroup®
Always a fitting solution

FOLLOW US!



-18°C ÷ +80°C

Working pressure:
12 Bar

Compressed air

- Taper gas BSPT ISO 7
  R3/8" and R1/2"
- Parallel gas BSPP ISO 228
  G3/8" and G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - LARGE SERIES



NOMINAL DIAMETER

9,2 mm

AIR FLOWRATE

2500 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

VIEW - QUICK COUPLING 8215FM



8215FM

Large male quick coupling BSPT thread



CODE	THREAD	LENGTH	WRENCH
8215FM03	R 3/8"	62,5	26
8215FM04	R 1/2"	65,0	26

8225FF

Large female quick coupling BSPP thread



CODE	THREAD	LENGTH	WRENCH
8225FF03	G 3/8"	62,0	26
8225FF04	G 1/2"	65,0	26

8235PO

Large quick coupling with hose connector



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8235PO1019	10x19	96,0	26	24
8235PO1020	10x20	96,0	26	25
8235PO1021	10x21	96,0	26	25
8235PO1022	10x22	96,5	26	26
8235PO1023	10x23	96,5	26	27
8235PO1319	13x19	97,5	26	24
8235PO1320	13x20	97,5	26	25
8235PO1321	13x21	97,5	26	25
8235PO1323	13x23	98,0	26	27
8235PO1324	13x24	97,5	26	30
8235PO1325	13x25	97,5	26	30

drawings and technical data are not binding & can be changed without notice

8245PO

Large connection with hose connector



CODE	Ø	LENGTH	WRENCH 1	WRENCH 2
8245PO1019	10x19	95,0	26	25
8245PO1020	10x20	95,5	26	25
8245PO1021	10x21	96,0	26	25
8245PO1022	10x22	96,0	26	25
8245PO1023	10x23	96,0	26	27
8245PO1319	13x19	97,5	26	25
8245PO1320	13x20	97,5	26	25
8245PO1321	13x21	97,5	26	25
8245PO1323	13x23	97,5	26	27
8245PO1324	13x24	97,5	26	27
8245PO1325	13x25	97,5	26	30

8255MM

Large male connection BSPT thread



CODE	THREAD	LENGTH	WRENCH
8255MM03	R 3/8"	47,5	19
8255MM04	R 1/2"	50,5	22

TierreGroup®
Always a fittings solution

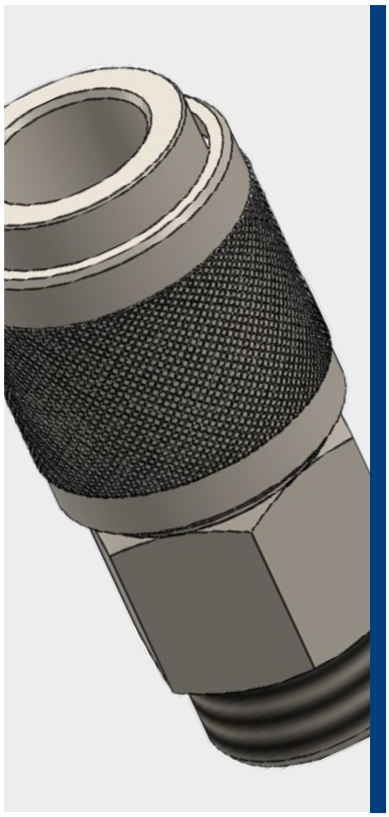




Raccordi per un'unione perfetta

TierreGroup®
Always a fitting solution

FOLLOW US!



-18°C ÷ +80°C

Working pressure:
12 Bar
10 Bar (if connected with PCP)

Compressed air

Parallel gas BSPP ISO 228
from G1/4" to G1/2"

Body: Nickel-plated brass
Spring: Nickel-plated steel

PROFILE - JAPAN SERIES



NOMINAL DIAMETER

7,5 mm

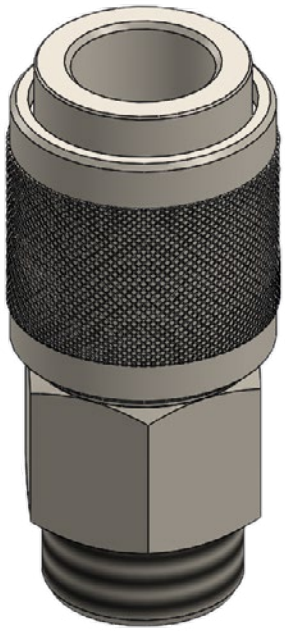
AIR FLOWRATE

2000 l/min

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

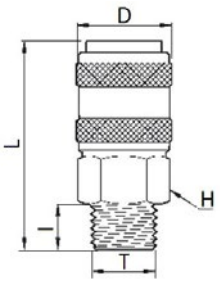
VIEW - QUICK COUPLING 8910FM



8910FM

Male quick coupling BSPT thread



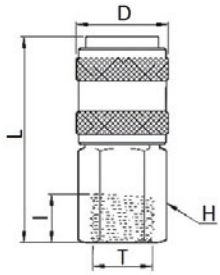


CODE	T	I	D	L	H
8910FM02	R 1/4"	11,0	24,0	56,5	20
8910FM03	R 3/8"	11,5	24,0	53,0	20
8910FM04	R 1/2"	14,0	24,0	55,0	22

8920FF

Female quick coupling BSPP thread



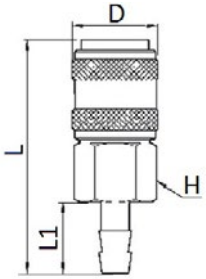


CODE	T	I	D	L	H
8920FF02	G 1/4"	11,0	24,0	54,0	20
8920FF03	G 3/8"	12,0	24,0	54,0	20
8920FF04	G 1/2"	14,0	24,0	55,0	20

8930RE

Quick coupling with barb connector





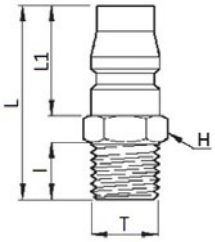
CODE	Ø	D	L1	L	H
8930RE08	8	24,0	20,0	67,0	19
8930RE10	10	24,0	20,0	67,0	19
8930RE12	12	24,0	20,0	67,0	19

drawings and technical data are not binding & can be changed without notice

8960MM

Male connection BSPT thread



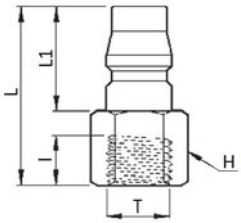


CODE	T	I	L	L1	H
8960MM02	R 1/4"	11,0	37,0	21,0	14
8960MM03	R 3/8"	11,5	37,5	21,0	17
8960MM04	R 1/2"	14,0	40,5	21,0	22

8970FM

Female connection BSPP thread



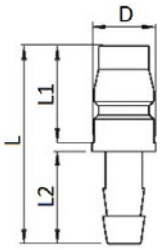


CODE	T	I	L	L1	H
8970FM02	G 1/4"	12,0	36,0	21,0	17
8970FM03	G 3/8"	13,0	37,0	21,0	19
8970FM04	G 1/2"	14,0	38,0	21,0	22

8980RE

Connection with barb connector



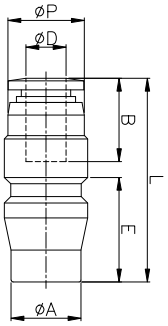


CODE	Ø	D	L	L1	L2
8980RE06	6	20	43,0	14,0	21,0
8980RE08	8	20	43,0	14,0	21,0
8980RE10	10	20	43,0	14,0	21,0

PCP

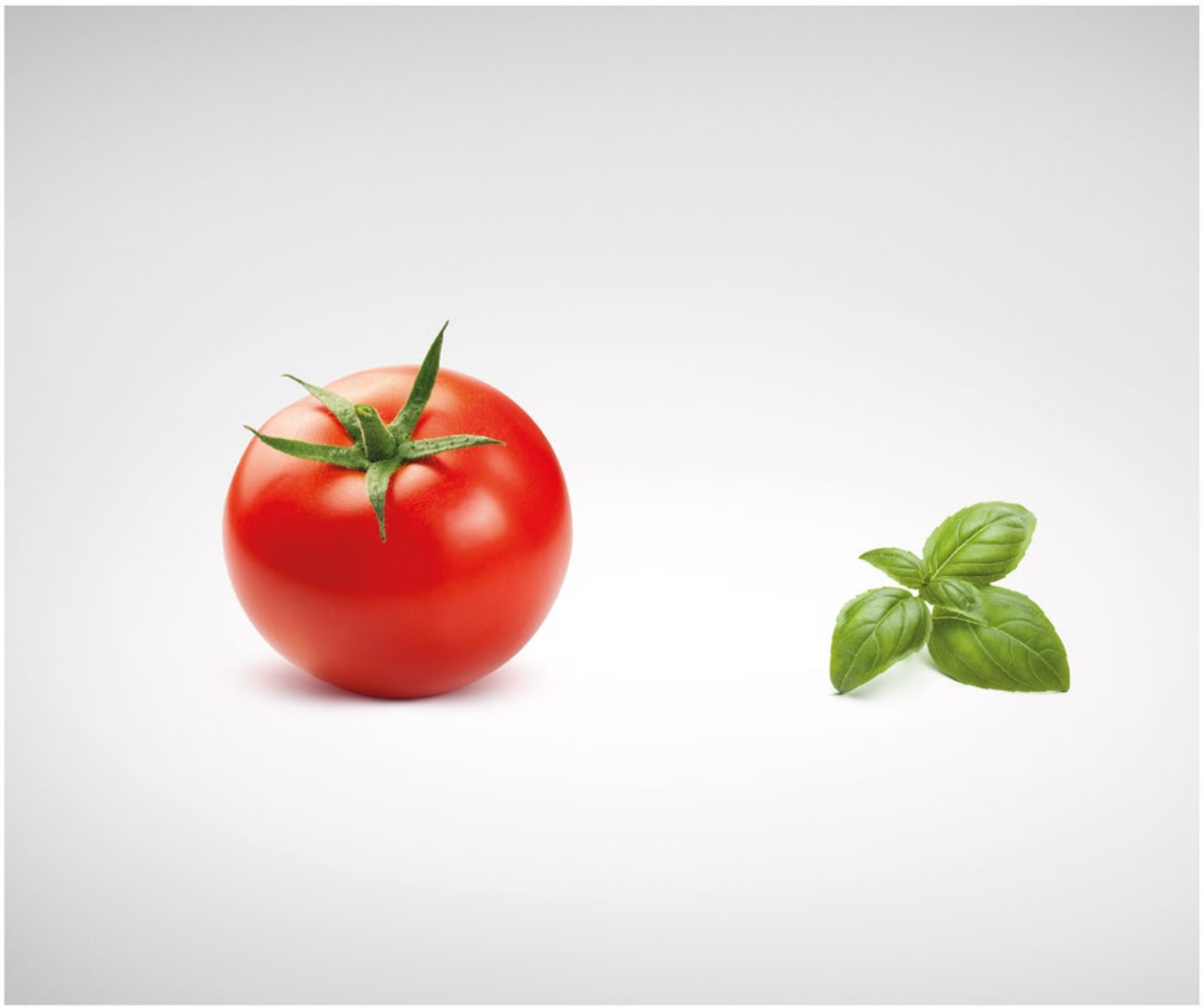
Push-in fitting connection for tube





CODE	ØD	DN	ØP	ØA	L	E	B
PCP04N	4	3,0	10,0	10,9	31,0	16,3	14,8
PCP06N	6	5,0	11,9	10,9	31,7	16,3	17,4
PCP08N	8	6,0	14,0	10,9	34,9	16,3	18,4
PCP10N	10	8,0	16,0	10,9	42,4	16,3	19,7
PCP12N	12	8,0	19,0	10,9	45,4	16,3	21,9
PCP16N	16	8,0	24,0	10,9	49,3	16,3	24,5

TierreGroup®
Always a fittings solution





L'unione che rende tutto perfetto.

TierreGroup®
Always a fitting solution

FOLLOW US!

QUICK COUPLINGS AIR&FLUIDS HIGH PERFORMANCE CD SERIES

PLUS

PATTENTED RANGE PROFILE

EXCELLENT SEALING GUARANTEED BY LIP SEAL

AVAILABLE IN FOUR MATERIALS: STEEL, BRASS, STAINLESS STEEL AISI 303 AND STAINLESS STEEL AISI 316

WIDE RANGE OF PASSAGES AVAILABLE: FROM DN 4,2 TO DN 14

AVAILABLE WITH DOUBLE SHUTTER CONFIGURATION

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-12


p. 538 / **CD-12M**


p. 538 / **CD-12H**


p. 538 / **CD-12E**


p. 539 / **ACD-12M**


p. 539 / **ACD-12H**


p. 539 / **ACD-12E**

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-25


p. 542 / **CD-25**


p. 542 / **ACD-25M**


p. 543 / **ACD-25H**


p. 543 / **ACD-25E**


p. 543 / **ACD-25PM**


p. 544 / **ACLD-25**

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-25N & CD-25S


p. 546 / **CD-25N-M**


p. 546/ **CD-25N-H**


p. 546 / **CD-25N-E**


p. 547 / **CD-25N-PM**


p. 547 / **CD-25S-M**


p. 547 / **CD-25S-H**


p. 548 / **CD-25S-E**


p. 548 / **CD-25S-PM**


p. 548 / **ACD-25M**


p. 549 / **ACD-25H**


p. 549 / **ACD-25E**


p. 549 / **ACD-25PM**

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-50


p. 552 / **CD-50**


p. 552 / **ACD-50M**


p. 553 / **ACD-50H**


p. 553 / **ACD-50E**


p. 553 / **ACLD-50**

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-100



p. 556 / **CD-100**



p. 556 / **ACD-100M**



p. 557 / **ACD-100H**



p. 557 / **ACD-100E**



p. 557 / **ACLD-100**

QUICK COUPLINGS HIGH PERFORMANCE - CD SERIES / CD-150



p. 560 / **CD-150**



p. 560 / **ACD-150M**



p. 561 / **ACD-150H**

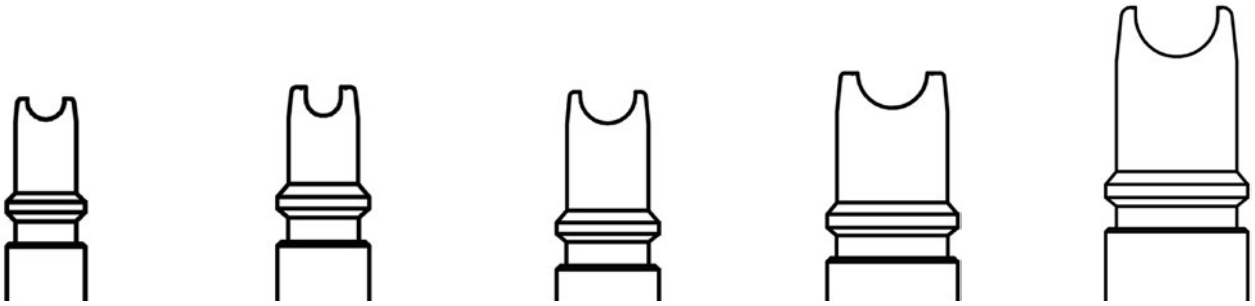


p. 561 / **ACD-150E**



p. 561 / **ACLD-150**

CONNECTION PROFILES



CD-12
DN 4,2

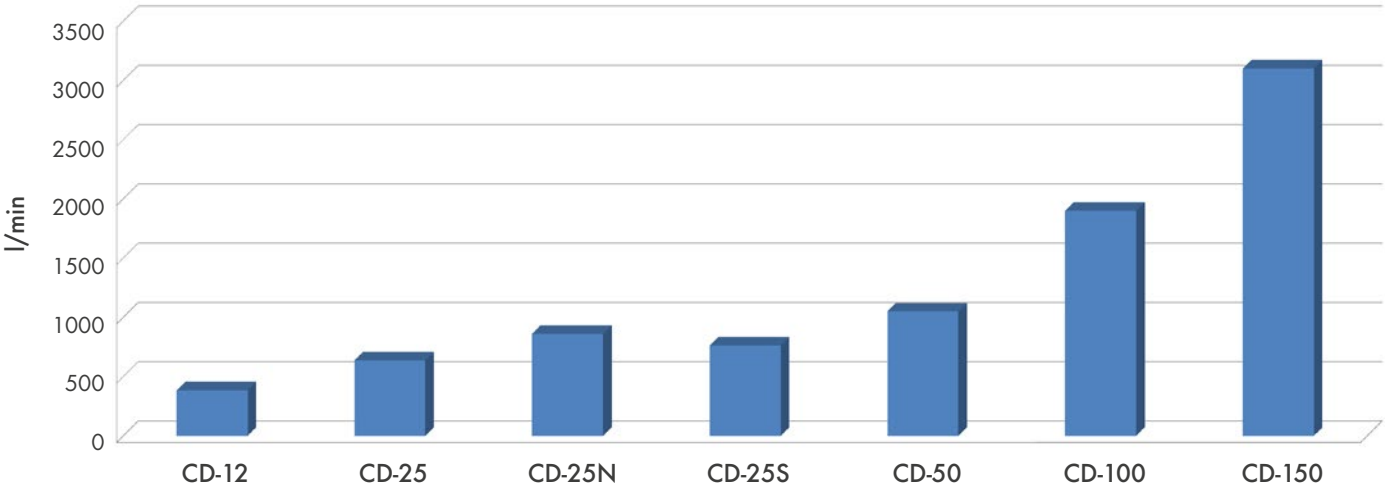
CD-25
DN 5,2

CD-50
DN 7

CD-100
DN 10,5

CD-150
DN 14

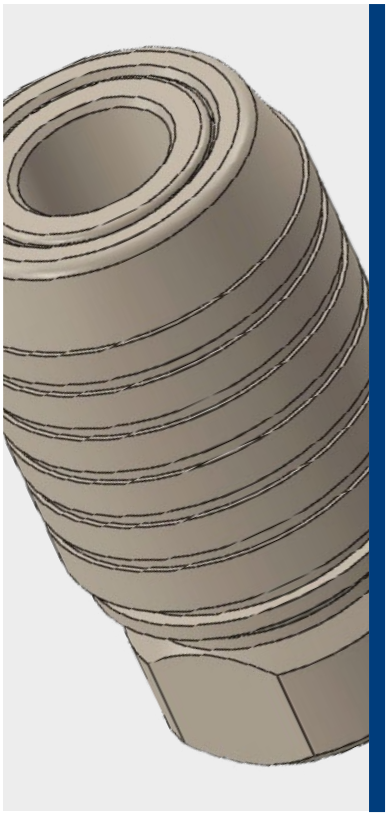
FLOW CHART



MATERIALS TABLE

MATERIALS SERIES	BRASS	STEEL	STAINLESS STEEL AISI 303	STAINLESS STEEL AISI 316	SAFETY	PL	SO	DO
CD-12		✓	✓			✓	✓	
CD-25	✓	✓	✓			✓	✓	✓
CD-25N		✓				✓	✓	
CD-25S		✓			✓		✓	
CD-50	✓	✓	✓			✓	✓	✓
CD-100	✓	✓	✓	✓		✓	✓	✓
CD-150	✓		✓	✓		✓	✓	✓

drawings and technical data are not binding & can be changed without notice



NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

CD-12: Compressed air
CD-12-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials

- Taper gas BSPT ISO 7
  R1/8" and R1/4"
- Parallel gas BSPP ISO 228
  G1/8" and G1/4"

NOMINAL DIAMETER

4,2 mm

FLOWRATE

384 l/min

CONFIGURATIONS



PL
Free
Passage

SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

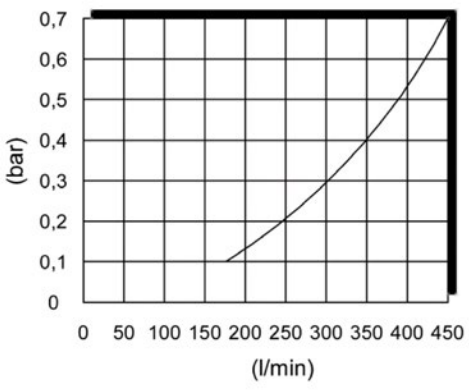
Products in compliance with the directive EU 2015/863

COMPONENTS	CD-12	CD-12-X
Body	Nickel-plated steel	Stainless steel AISI 303
Slide	Nickel-plated steel	Stainless steel AISI 303
Adapter	Nickel-plated steel	Stainless steel AISI 303
Valve	Stainless steel AISI 303	Stainless steel AISI 303
Spring	Stainless steel AISI 302	Stainless steel AISI 302
Washer	Stainless steel AISI 304	Stainless steel AISI 304
Clip	Stainless steel AISI 301	Stainless steel AISI 301
Pins	Stainless steel AISI 303	Stainless steel AISI 303
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM

CONNECTION	ACD-12	ACD-12-X
Body	Nickel-plated steel	Stainless steel AISI 303

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



VIEW - QUICK COUPLING CD SERIES

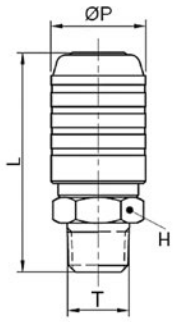


drawings and technical data are not binding & can be changed without notice

CD-12M

Male quick coupling BSPT thread





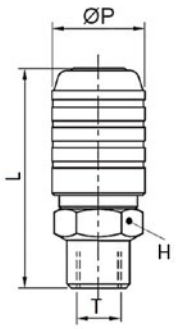
CODE	T	ØP	L	H
CD-12M1	R 1/8"	20,5	45,5	17
CD-12M1-PL	R 1/8"	20,5	45,5	17
CD-12M1-X	R 1/8"	20,5	45,5	17
CD-12M1-X-PL	R 1/8"	20,5	45,5	17
CD-12M	R 1/4"	20,5	47,0	17
CD-12M-PL	R 1/4"	20,5	47,0	17
CD-12M-X	R 1/4"	20,5	47,0	17
CD-12M-X-PL	R 1/4"	20,5	47,0	17

-PL: Free passage

CD-12H

Female quick coupling BSPP thread





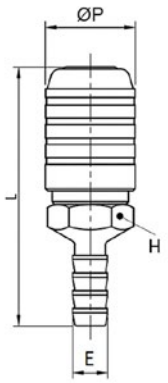
CODE	T	ØP	L	H
CD-12H1	G 1/8"	20,5	48,5	17
CD-12H1-PL	G 1/8"	20,5	48,5	17
CD-12H1-X	G 1/8"	20,5	48,5	17
CD-12H1-X-PL	G 1/8"	20,5	48,5	17
CD-12H	G 1/4"	20,5	51,5	17
CD-12H-PL	G 1/4"	20,5	51,5	17
CD-12H-X	G 1/4"	20,5	51,5	17
CD-12H-X-PL	G 1/4"	20,5	51,5	17

-PL: Free passage

CD-12E

Quick coupling with barb connector





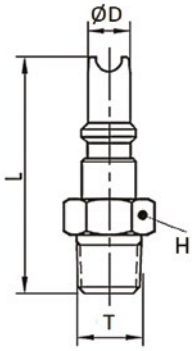
CODE	E	ØP	L	H
CD-12E6	7,2	20,5	58,5	17
CD-12E6-PL	7,2	20,5	58,5	17
CD-12E6-X	7,2	20,5	58,5	17
CD-12E6-X-PL	7,2	20,5	58,5	17
CD-12E8	9,2	20,5	58,0	17
CD-12E8-PL	9,2	20,5	58,0	17
CD-12E8-X	9,2	20,5	58,0	17
CD-12E8-X-PL	9,2	20,5	58,0	17

-PL: Free passage

ACD-12M

Male connection BSPT thread



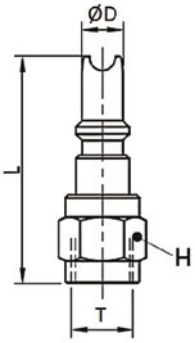


CODE	T	ØD	L	H
ACD-12M1	R 1/8"	6,5	36,3	12
ACD-12M1-X	R 1/8"	6,5	36,3	12
ACD-12M	R 1/4"	6,5	38,3	12
ACD-12M-X	R 1/4"	6,5	38,3	14

ACD-12H

Female connection BSPP thread



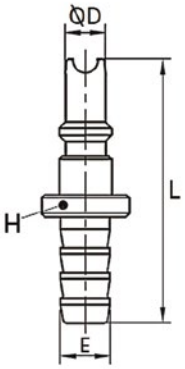


CODE	T	ØD	L	H
ACD-12H1	G 1/8"	6,5	35,8	12
ACD-12H1-X	G 1/8"	6,5	35,8	12
ACD-12H	G 1/4"	6,5	37,8	12
ACD-12H-X	G 1/4"	6,5	37,8	17

ACD-12E

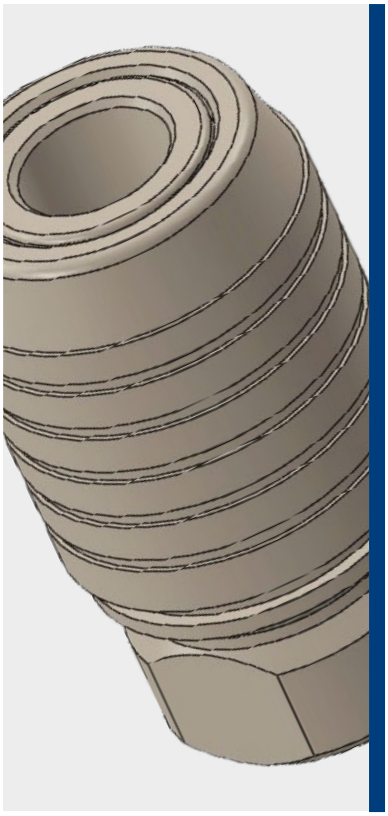
Connection with barb connector





CODE	E	ØD	L	H
ACD-12E6	7,2	6,5	42,3	14
ACD-12E6-X	7,2	6,5	42,3	14
ACD-12E8	9,2	6,5	42,3	14
ACD-12E8-X	9,2	6,5	42,3	14





NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)
Working pressure ACLD-25:
0-12 Bar (suggested)
20 Bar (max)
0,30 Bar (min. opening pressure)

- Taper gas BSPT ISO 7
  R1/4" and R3/8"
- Parallel gas BSPP ISO 228
  G1/4" and G3/8"

CD-25: Compressed air
CD-25-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils and fluids suitable with construction materials
CD-25-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials

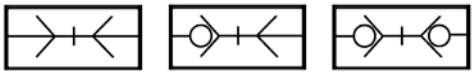
NOMINAL DIAMETER

5,2 mm

FLOWRATE

636 l/min

CONFIGURATIONS



PL Free Passage | SO Single Shutter | DO Double Shutter

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

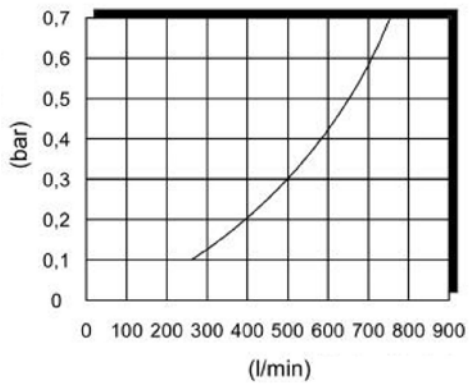
COMPONENTS	CD-25	CD-25-L	CD-25-X
Body	Nickel-plated steel	Brass	Stainless steel AISI 303
Slide	Nickel-plated steel	Brass	Stainless steel AISI 303
Valve	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Washer	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Clip	Stainless steel AISI 301	Stainless steel AISI 301	Stainless steel AISI 301
Pins	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM

CONNECTION	ACD-25	ACD-25-L	ACD-25-X
Body	Hardened nickel-plated steel	Brass	Stainless steel AISI 303

ACLD CONNECTION		ACLD-25-L	ACLD-25-X
Body		Brass	Stainless steel AISI 303
Spring		Stainless steel AISI 302	Stainless steel AISI 302
Retaining ring		Stainless steel AISI 302	Stainless steel AISI 302
Wrench		Brass	Stainless steel AISI 303
Wrench support		Brass	Stainless steel AISI 303
Seal		NBR - FKM - EPDM	NBR - FKM - EPDM

FLOWRATE

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



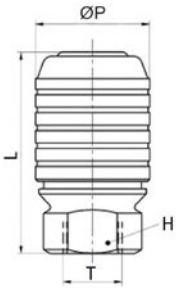
VIEW - QUICK COUPLING CD-25



CD-25

Female quick couplings BSPP thread





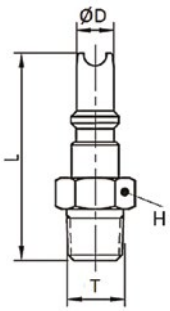
CODE	T	ØP	L	H
CD-25	G 1/4"	25,5	45,0	19
CD-25-PL	G 1/4"	25,5	45,0	19
CD-25-L	G 1/4"	25,5	45,0	19
CD-25-L-PL	G 1/4"	25,5	45,0	19
CD-25-X	G 1/4"	25,5	45,0	19
CD-25-X-PL	G 1/4"	25,5	45,0	19
CD-25-3/8	G 3/8"	25,5	45,0	19
CD-25-3/8-PL	G 3/8"	25,5	45,0	19
CD-25-3/8X	G 3/8"	25,5	45,0	19
CD-25-3/8X-PL	G 3/8"	25,5	45,0	19

-PL: Free passage

ACD-25M

Male connection BSPT thread





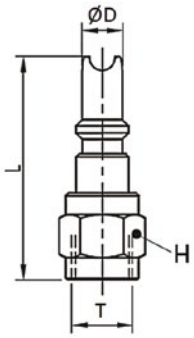
CODE	T	ØD	L	H
ACD-25M	R 1/4"	7,9	40,8	14
ACD-25M-L	R 1/4"	7,9	40,8	14
ACD-25M-X	R 1/4"	7,9	40,8	14
ACD-25M-3/8	R 3/8"	7,9	42,8	17
ACD-25M-3/8-X	R 3/8"	7,9	42,8	17

drawings and technical data are not binding & can be changed without notice

ACD-25H

Female connection BSPP thread



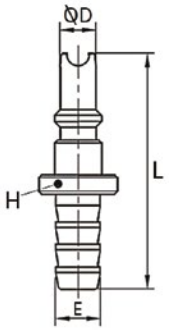


CODE	T	ØD	L	H
ACD-25H	G 1/4"	7,9	40,3	17
ACD-25H-L	G 1/4"	7,9	40,3	17
ACD-25H-X	G 1/4"	7,9	40,3	17
ACD-25H-3/8	G 3/8"	7,9	41,8	20

ACD-25E

Connection with barb connector



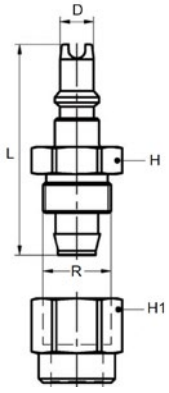


CODE	E	ØD	L	H
ACD-25E	9,2	7,9	47,0	15
ACD-25E-L	9,2	7,9	47,0	15
ACD-25E-X	9,2	7,9	47,0	15
ACD-25E-10	11,2	7,9	47,0	15

ACD-25PM

Connection with push-on connector





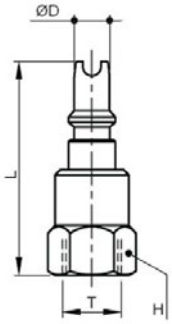
CODE	TUBE Ø	R	D	L	H	H1
ACD-25-PM08	8x12	M16x1	7,9	50,0	19	19
ACD-25-PM10	10x15	M20x1	7,9	54,7	22	22

Recommended for use with PU-PVC tube on page 751

ACLD-25

Female unidirectional connection BSPP thread

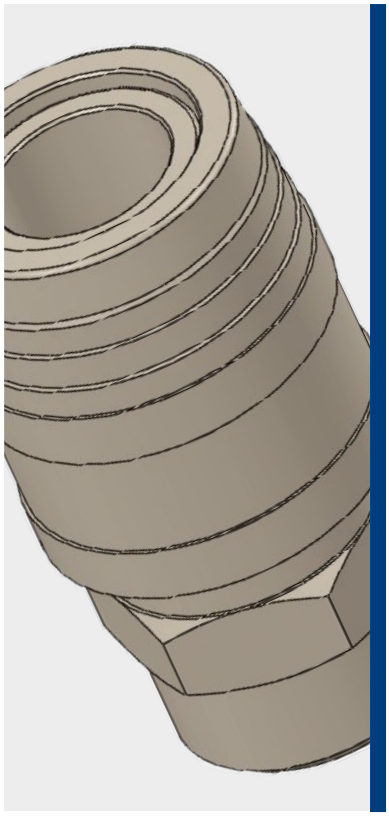




CODE	T	ØD	L	H
ACLD-25-L	G 1/4"	7,9	48,0	17
ACLD-25-X	G 1/4"	7,9	48,0	17

Do not use with CD-25N & CD-25S quick couplings

ACLD-25: Minimum opening pressure 0,30 Bar



CD-25N:
NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
CD-25S - SAFETY:
NBR: -10°C ÷ 95°C
Standard version: NBR

Working pressure CD-25N:
0-12 Bar (suggested)
35 Bar (max)
Working pressure CD-25S:
0-7 Bar (suggested)

CD-25N: Compressed air
CD-25S: Compressed air

- Taper gas BSPT ISO 7 from R1/4" to R1/2"
- Parallel gas BSPP ISO 228 from G1/4" to G1/2"

NOMINAL DIAMETER

5,2 mm

FLOWRATE

860 l/min (CD-25N)
762 l/min (CD-25S - SAFETY)

CONFIGURAZIONI

CD-25N	CD-25N CD-25S
PL Free Passage	SO Single Shutter

Products in compliance with EC Regulation 1907/2006

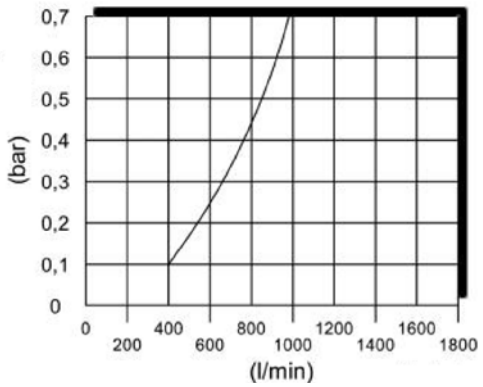
Products in compliance with the directive EU 2015/863

COMPONENTS	CD-25N	CD-25S - SAFETY
Body	Nickel-plated steel	Nickel-plated steel
Slide	Nickel-plated steel	Nickel-plated steel
Adapter	Nickel-plated brass	Nickel-plated brass
Valve	Nickel-plated brass	Nickel-plated brass
Spring	Stainless steel AISI 302	Stainless steel AISI 302
Ball	Chromed steel	Chromed steel
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 302
Cartridge	-	Nickel-plated steel
Seal	NBR - FKM - EPDM	NBR

CONNECTION	ACD-25	ACD-25-L	ACD-25-X
Body	Hardened nickel-plated steel	Brass	Stainless steel AISI 303

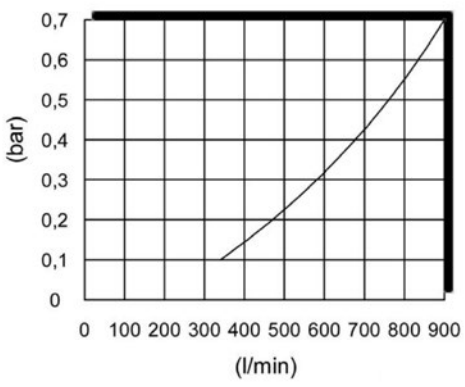
FLOW CHART
CD-25N

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



FLOW CHART
CD-25S

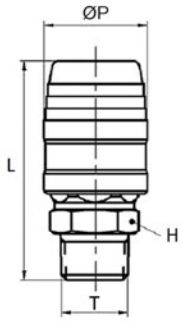
Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



CD-25N-M

Male quick coupling BSPT thread





CODE	T	ØP	L	H
CD-25N-M1/4	R 1/4"	23,6	52,1	19
CD-25N-M1/4-PL	R 1/4"	23,6	52,1	19
CD-25N-M3/8	R 3/8"	23,6	53,1	19
CD-25N-M3/8-PL	R 3/8"	23,6	53,1	19
CD-25N-M1/2	R 1/2"	23,6	57,6	22
CD-25N-M1/2-PL	R 1/2"	23,6	57,6	22

Male quick coupling BSPP thread

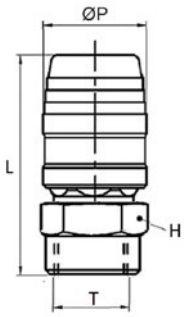
CD-25N-M1/4G	G 1/4"	23,6	50,6	21
CD-25N-M1/4G-PL	G 1/4"	23,6	50,6	21
CD-25N-M3/8G	G 3/8"	23,6	52,1	21
CD-25N-M3/8G-PL	G 3/8"	23,6	52,1	21
CD-25N-M1/2G	G 1/2"	23,6	55,1	24
CD-25N-M1/2G-PL	G 1/2"	23,6	55,1	24

-PL: Free Passage

CD-25N-H

Female quick coupling BSPP thread





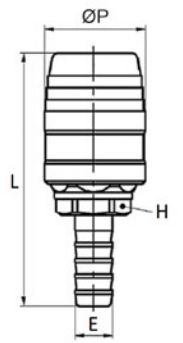
CODE	T	ØP	L	H
CD-25N-H1/4	G 1/4"	23,6	50,1	19
CD-25N-H1/4-PL	G 1/4"	23,6	50,1	19
CD-25N-H3/8	G 3/8"	23,6	51,6	22
CD-25N-H3/8-PL	G 3/8"	23,6	51,6	22
CD-25N-H1/2	G 1/2"	23,6	55,8	25
CD-25N-H1/2-PL	G 1/2"	23,6	55,8	25

-PL: Free Passage

CD-25N-E

Quick coupling with barb connector





CODE	E	ØP	L	H
CD-25N-E6	7,2	23,6	59,6	19
CD-25N-E6-PL	7,2	23,6	59,6	19
CD-25N-E8	9,2	23,6	59,6	19
CD-25N-E8-PL	9,2	23,6	59,6	19
CD-25N-E10	11,2	23,6	63,6	19
CD-25N-E10-PL	11,2	23,6	63,6	19
CD-25N-E12	13,2	23,6	13,2	19
CD-25N-E12-PL	13,2	23,6	13,2	19
CD-25N-E13	13,8	23,6	13,8	19
CD-25N-E13-PL	13,8	23,6	13,8	19

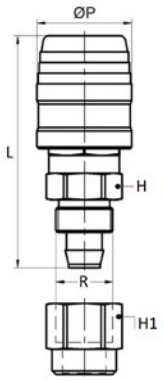
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

CD-25N-PM

Quick coupling with push-on connector





CODE	TUBE Ø	R	ØP	L	H	H1
CD-25N-PM08	8x12	M16x1	23,6	62,3	19	19
CD-25N-PM08-PL	8x12	M16x1	23,6	62,3	19	19
CD-25N-PM10	10x15	M20x1	23,6	67,1	22	22
CD-25N-PM10-PL	10x15	M20x1	23,6	67,1	22	22

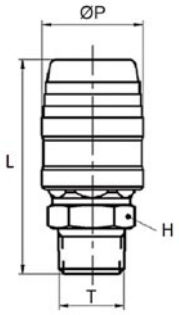
Recommended for use with PU-PVC tube on page 751

-PL: Free Passage

CD-25S-M

Safety male quick coupling BSPT thread





CODE	T	ØP	L	H
CD-25S-M1/4	R 1/4"	26,6	54,1	19
CD-25S-M3/8	R 3/8"	26,6	55,1	19
CD-25S-M1/2	R 1/2"	26,6	59,6	22

Safety male quick coupling BSPP thread

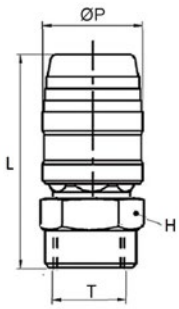
CD-25S-M1/4G	G 1/4"	26,6	57,1	24
CD-25S-M3/8G	G 3/8"	26,6	54,1	21
CD-25S-M1/2G	G 1/2"	26,6	57,1	24

CD-25S-M
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

CD-25S-H

Safety female quick coupling BSPP thread





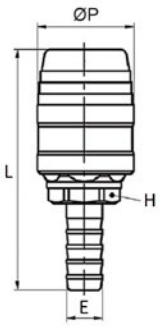
CODE	T	ØP	L	H
CD-25S-H1/4	G 1/4"	26,6	52,1	19
CD-25S-H3/8	G 3/8"	26,6	53,6	22
CD-25S-H1/2	G 1/2"	26,6	57,8	25

CD-25S-H
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

CD-25S-E

Safety quick coupling with barb connector





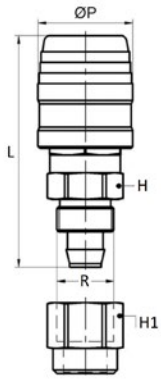
CODE	E	ØP	L	H
CD-25S-E6	7,2	26,6	61,6	19
CD-25S-E8	9,2	26,6	61,6	19
CD-25S-E10	11,2	26,6	65,6	19
CD-25S-E12	13,2	26,6	70,6	19
CD-25S-E13	13,8	26,6	70,6	19

CD-25S-E
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

CD-25S-PM

Safety quick coupling with push-on connector





CODE	TUBE Ø	R	ØP	L	H	H1
CD-25S-PM08	8x12	M16x1	26,6	65,4	19	19
CD-25S-PM10	10x15	M20x1	26,6	70,2	22	22

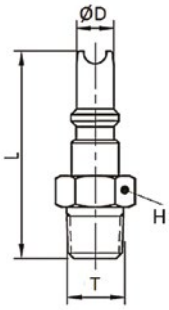
Recommended for use with PU-PVC tube on page 751

CD-25S-PM
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

ACD-25M

Male connection BSPT thread



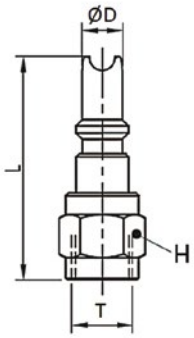


CODE	T	ØD	L	H
ACD-25M	R 1/4"	7,9	40,8	14
ACD-25M-L	R 1/4"	7,9	40,8	14
ACD-25M-X	R 1/4"	7,9	40,8	14
ACD-25M-3/8	R 3/8"	7,9	42,8	17
ACD-25M-3/8-X	R 3/8"	7,9	42,8	17

ACD-25H

Female connection BSPP thread



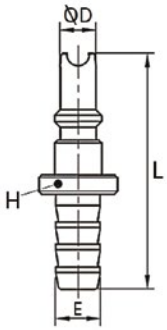


CODE	T	ØD	L	H
ACD-25H	G 1/4"	7,9	40,3	17
ACD-25H-L	G 1/4"	7,9	40,3	17
ACD-25H-X	G 1/4"	7,9	40,3	17
ACD-25H-3/8	G 3/8"	7,9	41,8	20

ACD-25E

Connection with barb connector



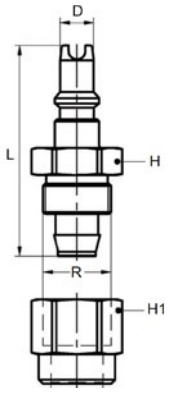


CODE	E	ØD	L	H
ACD-25E	9,2	7,9	47,0	15
ACD-25E-L	9,2	7,9	47,0	15
ACD-25E-X	9,2	7,9	47,0	15
ACD-25E-10	11,2	7,9	47,0	15

ACD-25PM

Connection with push-on connector

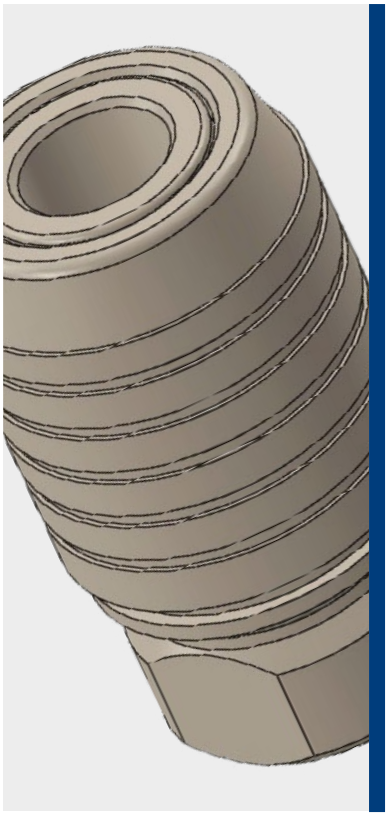




CODE	TUBE Ø	R	D	L	H	H1
ACD-25-PM08	8x12	M16x1	7,9	50,0	19	19
ACD-25-PM10	10x15	M20x1	7,9	54,7	22	22

Recommended for use with PU-PVC tube on page 751





NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)
Working pressure ACLD-50:
0-12 Bar (suggested)
20 Bar (max)
0,30 Bar (min. opening pressure)

- Taper gas BSPT ISO 7 R3/8"
- Parallel gas BSPP ISO 228 G3/8"

CD-50: Compressed air
CD-50-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils and fluids suitable with construction materials
CD-50-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials

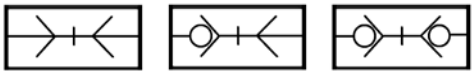
NOMINAL DIAMETER

7 mm

FLOWRATE

1050 l/min

CONFIGURATIONS



PL Free Passage | SO Single Shutter | DO Double Shutter

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

COMPONENTS	CD-50	CD-50-L	CD-50-X
Body	Nickel-plated steel	Brass	Stainless steel AISI 303
Slide	Nickel-plated steel	Brass	Stainless steel AISI 303
Valve	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Washer	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Clip	Stainless steel AISI 301	Stainless steel AISI 301	Stainless steel AISI 301
Pins	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM

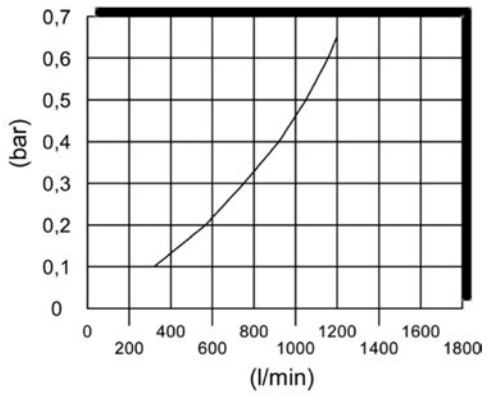
CONNECTION	ACD-50	ACD-50-L	ACD-50-X
Body	Hardened nickel-plated steel	Brass	Stainless steel AISI 303

CONNECTION ACLD		ACLD-50-L	ACLD-50-X
Body		Brass	Stainless steel AISI 303
Spring		Stainless steel AISI 302	Stainless steel AISI 302
Retaining ring		Stainless steel AISI 302	Stainless steel AISI 302
Wrench		Brass	Stainless steel AISI 303
Wrench support		Brass	Stainless steel AISI 303
Seal		NBR - FKM - EPDM	NBR - FKM - EPDM

drawings and technical data are not binding & can be changed without notice

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



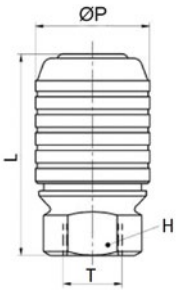
VIEW - QUICK COUPLING CD-50



CD-50

Female quick coupling BSPP thread





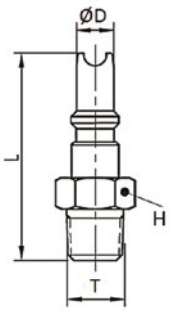
CODE	T	ØP	L	H
CD-50	G 3/8"	28,5	54,0	23
CD-50-PL	G 3/8"	28,5	54,0	23
CD-50-L	G 3/8"	28,5	54,0	23
CD-50-L-PL	G 3/8"	28,5	54,0	23
CD-50-X	G 3/8"	28,5	54,0	23
CD-50-X-PL	G 3/8"	28,5	54,0	23

-PL: Free Passage

ACD-50M

Male connection BSPT thread



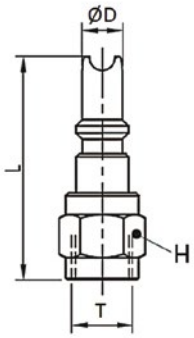


CODE	T	ØD	L	H
ACD-50M	R 3/8"	10,3	47,5	17
ACD-50M-L	R 3/8"	10,3	47,5	17
ACD-50M-X	R 3/8"	10,3	47,5	17

ACD-50H

Female connection BSPP thread



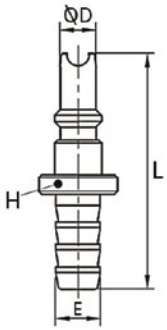


CODE	T	ØD	L	H
ACD-50H	G 3/8"	10,3	49,0	22
ACD-50H-L	G 3/8"	10,3	49,0	22
ACD-50H-X	G 3/8"	10,3	49,0	22

ACD-50E

Connection with barb connector



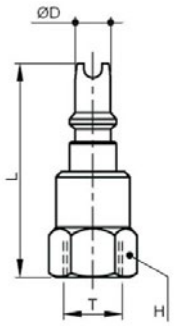


CODE	E	ØD	L	H
ACD-50E	11,2	10,3	56,5	20
ACD-50E-L	11,2	10,3	56,5	20
ACD-50E-X	11,2	10,3	56,5	20

ACLD-50

Female unidirectional connection BSPP thread

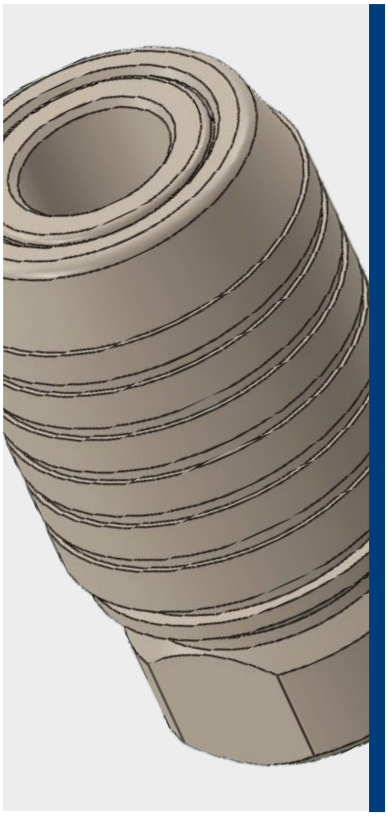




CODE	T	ØD	L	H
ACLD-50-L	G 3/8"	10,3	58,5	22
ACLD-50-X	G 3/8"	10,3	58,5	22

ACLD-50: Min. opening pressure 0.30 Bar





NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)
Working pressure ACLD-50:
0-12 Bar (suggested)
20 Bar (max)
0,08 Bar (min.opening pressure)

- Taper gas BSPT ISO 7 R1/2"
- Parallel gas BSPP ISO 228 G1/2"

CD-100: Compressed air
CD-100-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils and fluids suitable with construction materials
CD-100-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials
CD-100-X-316: Compressed air, water, chemicals, applications in highly corrosive environments and fluids suitable with construction materials

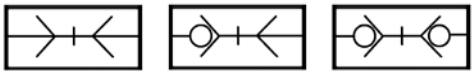
NOMINAL DIAMETER

10,5 mm

FLOWRATE

1900 l/min

CONFIGURATIONS



PL Free Passage | SO Single Shutter | DO Double Shutter

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

COMPONENTS	CD-100	CD-100-L	CD-100-X	CD-100-X-316
Body	Nickel-plated steel	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Slide	Nickel-plated steel	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Valve	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Washer	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Clip	Stainless steel AISI 301	Stainless steel AISI 301	Stainless steel AISI 301	Stainless steel AISI 301
Pins	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 303
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM

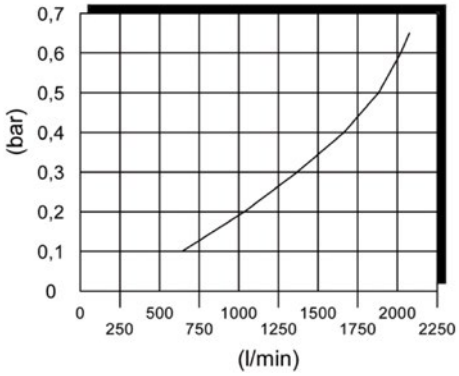
CONNECTION	ACD-100	ACD-100-L	ACD-100-X	ACD-100-X-316
Body	Hardened nickel-plated steel	Brass	Stainless steel AISI 303	Stainless steel AISI 316

CONNECTION ACLD		ACLD-100-L	ACLD-100-X	
Body		Brass	Stainless steel AISI 303	
Spring		Stainless steel AISI 302	Stainless steel AISI 302	
Retaining ring		Stainless steel AISI 302	Stainless steel AISI 302	
Wrench		Brass	Stainless steel AISI 303	
Wrench support		Brass	Stainless steel AISI 303	
Seal		NBR - FKM - EPDM	NBR - FKM - EPDM	

drawings and technical data are not binding & can be changed without notice

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



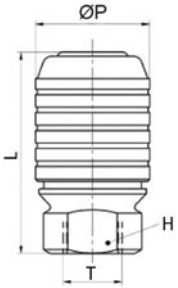
VIEW - QUICK COUPLING CD-100



CD-100

Female quick coupling BSPP thread





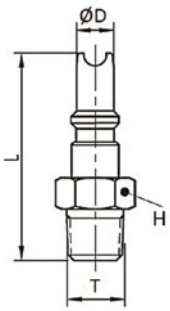
CODE	T	ØP	L	H
CD-100	G 1/2"	33,5	61,0	27
CD-100-PL	G 1/2"	33,5	61,0	27
CD-100-L	G 1/2"	33,5	61,0	27
CD-100-L-PL	G 1/2"	33,5	61,0	27
CD-100-X	G 1/2"	33,5	61,0	27
CD-100-X-PL	G 1/2"	33,5	61,0	27
CD-100-X-316	G 1/2"	33,5	61,0	27
CD-100-X-316-PL	G 1/2"	33,5	61,0	27

-PL: Free Passage

ACD-100M

Male connection BSPT thread



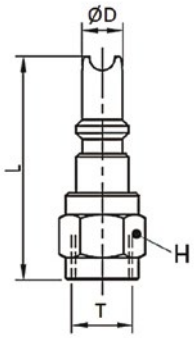


CODE	T	ØD	L	H
ACD-100M	R 1/2"	14,3	55,0	22
ACD-100M-L	R 1/2"	14,3	55,0	22
ACD-100M-X	R 1/2"	14,3	55,0	22

ACD-100H

Female connection BSPP thread



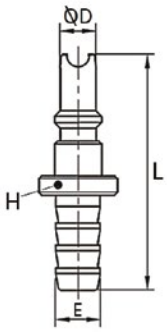


CODE	T	ØD	L	H
ACD-100H	G 1/2"	14,3	58,0	27
ACD-100H-L	G 1/2"	14,3	58,0	27
ACD-100H-X	G 1/2"	14,3	58,0	27
ACD-100H-X-316	G 1/2"	14,3	58,0	27

ACD-100E

Connection with barb connector



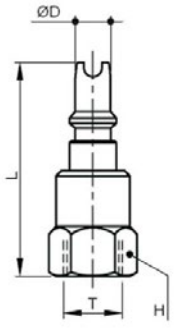


CODE	E	ØD	L	H
ACD-100E-10	11,2	14,3	60,0	25
ACD-100E-10-L	11,2	14,3	60,0	25
ACD-100E-10X	11,2	14,3	60,0	25
ACD-100E-12X	13,2	14,3	60,0	25
ACD-100E	15,2	14,3	65,0	25
ACD-100E-L	15,2	14,3	65,0	25
ACD-100E-X	15,2	14,3	65,0	25

ACLD-100

Female unidirectional connection BSPP thread

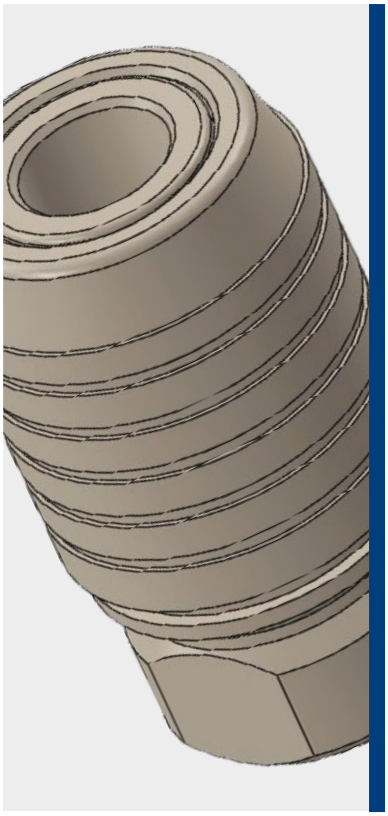




CODE	T	ØD	L	H
ACLD-100-L	G 1/2"	14,3	70,0	27
ACLD-100-X	G 1/2"	14,3	70,0	27

ACLD-100: Min. opening pressure 0,08 Bar





NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
EPDM: -40°C ÷ 95°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)
Working pressure ACLD-50:
0-12 Bar (suggested)
20 Bar (max)
0,1 Bar (min. opening pressure)

- Taper gas BSPT ISO 7 R3/4" and R1"
- Parallel gas BSPP ISO 228 G3/4" and G 1"

CD-150-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils and fluids suitable with construction materials
CD-150-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials
CD-150-X-316: Compressed air, water, chemicals, applications in highly corrosive environments and fluids suitable with construction materials

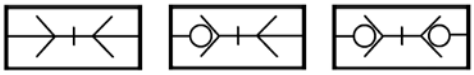
NOMINAL DIAMETER

14 mm

FLOWRATE

3100 l/min

CONFIGURATIONS



PL Free Passage | SO Single Shutter | DO Double Shutter

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

COMPONENTS	CD-150-L	CD-150-X	CD-150-X-316
Body	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Slide	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Valve	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Washer	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Clip	Stainless steel AISI 301	Stainless steel AISI 301	Stainless steel AISI 301
Pins	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 304
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM

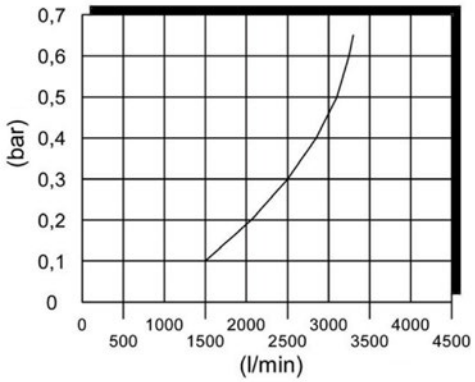
INNESTO	ACD-150-L	ACD-150-X	ACD-150-X-316
Body	Brass	Stainless steel AISI 303	Stainless steel AISI 316

CONNECTION ACLD	ACLD-150-L	ACLD-150-X	ACLD-150-X-316
Body	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Wrench	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Wrench support	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Seal	NBR - FKM - EPDM	NBR - FKM - EPDM	NBR - FKM - EPDM

drawings and technical data are not binding & can be changed without notice

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



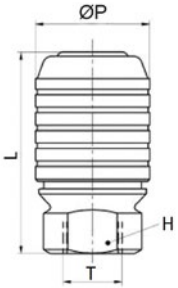
VIEW - QUICK COUPLING CD-150



CD-150

Female quick coupling BSPP thread





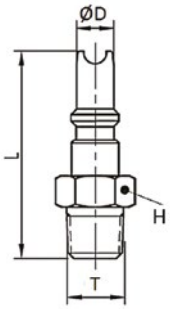
CODE	T	ØP	L	H
CD-150-L	G 3/4"	44,0	85,7	34
CD-150-L-PL	G 3/4"	44,0	85,7	34
CD-150-X	G 3/4"	44,0	85,7	34
CD-150-X-PL	G 3/4"	44,0	85,7	34
CD-150-X-316	G 3/4"	44,0	85,7	34
CD-150-X-316-PL	G 3/4"	44,0	85,7	34
CD-150-L-P	G 1"	44,0	92,7	38
CD-150-L-P-PL	G 1"	44,0	92,7	38
CD-150-X-P	G 1"	44,0	92,7	38
CD-150-X-P-PL	G 1"	44,0	92,7	38
CD-150-X-316-P	G 1"	44,0	92,7	38
CD-150-X-316-P-PL	G 1"	44,0	92,7	38

-PL: Free Passage

ACD-150M

Male connection BSPT thread



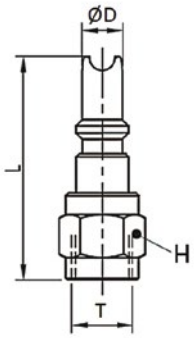


CODE	T	ØD	L	H
ACD-150M-L	R 3/4"	19	74,7	27
ACD-150M-X	R 3/4"	19	74,7	27
ACD-150M-X-316	R 3/4"	19	74,7	27
ACD-150M-L-P	R 1"	19	79,7	36
ACD-150M-X-P	R 1"	19	74,7	36
ACD-150M-X-316-P	R 1"	19	79,7	36

ACD-150H

Female connection BSPP thread



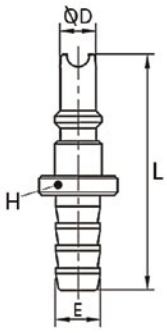


CODE	T	ØD	L	H
ACD-150H-L	G 3/4"	19	76,7	32
ACD-150H-X	G 3/4"	19	76,7	32
ACD-150H-X-316	G 3/4"	19	76,7	32
ACD-150H-L-P	G 1"	19	78,7	40
ACD-150H-X-P	G 1"	19	78,7	41
ACD-150H-X-316-P	G 1"	19	78,7	41

ACD-150E

Connection with barb connector



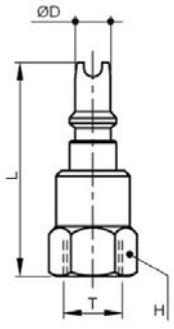


CODE	E	ØD	L	H
ACD-150E-L	21,0	19	89,7	32
ACD-150E-X	21,0	19	89,7	32
ACD-150E-X-316	21,0	19	89,7	32

ACLD-150

Female unidirectional connection BSPP thread





CODE	T	ØD	L	H
ACLD-150-L	G 3/4"	19	93,0	34
ACLD-150-X	G 3/4"	19	93,0	36
ACLD-150X-316	G 3/4"	19	93,0	36
ACLD-150L-P	G 1"	19	93,0	40
ACLD-150X-P	G 1"	19	93,0	41
ACLD-150X-316-P	G 1"	19	93,0	41

ACLD-150: Min. opening pressure 0.1 Bar



QUICK COUPLINGS AIR&FLUIDS HIGH PERFORMANCE

PLUS

- DIFFERENT PRODUCTS WITH SAFETY AND ANTI-WHIPLASH SYSTEMS
- EASY CONNECTION AND DISCONNETION
- AVAILABLE WITH FREE PASSAGE, SINGLE AND DOUBLE SHUTTERS
- WIDE CHOICE OF CONSTRUCTION MATERIALS
- REDUCED DIMENSIONS WITH A HIGH STRENGHT
- HIGH FLOW RATE TO OPTIMISE THE PLANTS PERFORMANCE

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / FLUID-10N & FLUID-10S


p.570/**FLUID-10N-M**


p.571/**FLUID-10N-H**


p.571/**FLUID-10N-E**


p.572/**FLUID-10N-PM**


p.572/**FLUID-10S-M**


p.572/**FLUID-10S-H**


p.573/**FLUID-10S-E**


p.573/**FLUID-10S-PM**


p.573/**NE-10M**


p.574/**NE-10H**


p.574/ **NE-10E**


p.574/**NE-10PM**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / FLUID-20N


p. 576/ **FLUID-20N-M**


p. 576/ **FLUID-20N-H**


p. 576/ **FLUID-20N-E**


p. 577 / **NE-20M**


p. 577 / **NE-20H**


p. 577 / **NE-20E**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / FLUID-30


p. 580 / **FLUID-30M**


p. 580 / **FLUID-30H**


p. 580 / **NE-30M**


p. 581 / **NE-30H**


p. 581 / **NE-30E**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / MICRO SERIES


p. 584 / **MICRO-M**


p. 584 / **MICRO-H**


p. 584 / **AMC-H**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / MINI SERIES


p. 586 / **MINI-M**


p. 586 / **MINI-H**


p. 586 / **MINI-E**


p. 587 / **MINI-RR**


p. 587 / **MINI-MM**


p. 587 / **MINI-RRR**


p. 588 / **AMN-M**


p. 588 / **AMN-H**


p. 588 / **AMN-E**


p. 589 / **AMN-RR**


p. 589 / **AMN-RRR**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / MINI-DO SERIES


p. 592 / **MINIDO-M**


p. 592 / **MINIDO-H**


p. 593 / **MINIDO-E**


p. 593 / **MINIDO-RR**


p. 593 /**MINIDO-MM**


p. 594 /**MINIDO-RRR**


p. 594 / **AMNDO-M**


p. 594 / **AMNDO-H**


p. 595 / **AMNDO-E**


p. 595 / **AMNDO-RR**


p. 595 /**AMNDO-MM**


p. 596 /**AMNDO-RRR**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / EUROSTANDARD


p. 598 / **EU-75N-M**


p. 599 / **EU-75N-H**


p. 599 / **EU-75N-E**


p. 600 / **EU-75N-PM**


p. 600 / **EU-75S-M**


p. 600 / **EU-75S-H**


p. 601 / **EU-75S-E**


p. 601 / **EU-75S-PM**


p. 601 / **AEU-75M**


p. 602 / **AEU-75H**


p. 602 / **AEU-75E**


p. 602 / **AEU-75PM**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / EUROSTANDARD-DO


p. 604 / **EU-DO75-M**


p. 604 / **EU-DO75-H**


p. 605 / **EU-DO75-E**


p. 605 / **AEU-DO75M**


p. 605 / **AEU-DO75H**


p. 606 / **AEU-DO75E**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / EUROFLUID


p. 608 / **EUROFLUID-M**


p. 608 / **EUROFLUID-H**


p. 608 / **EUROFLUID-E**


p. 609 /**EUROFLUID-PM**


p. 609 / **NE-10M**


p. 609 / **NE-10H**


p. 610 / **NE-10E**


p. 610 / **NE-10PM**


p. 610 / **AEU-75M**


p. 611 / **AEU-75H**


p. 611 / **AEU-75E**


p. 611 / **AEU-75PM**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / CRHL-12


p. 614 / **CRHL12-M**


p. 614 / **CRHL12-R-M**


p. 614 / **CRHL12-H**


p. 615 / **CRHL12-R-H**


p. 615 / **ACRHL12-M-C**


p. 615 / **ACRHL12-H**

QUICK COUPLINGS AIR&FLUIDS - HIGH PERFORMANCE / CRM-55


p. 618 / **CRM-55-M**


p. 618 / **CRM-55-H**


p. 618 / **CRM-55-E**


p. 619 / **ACRM-55-M**


p. 619 / **ACRM-55-H**


p. 619 / **ACRM-55-E**

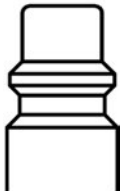
CONNECTION PROFILES



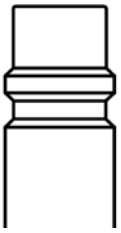
FLUID-10N
DN 5,5



FLUID-10S
DN 5,5



FLUID-20N
DN 8



FLUID-30
DN 12



MICRO
DN 2,5



MINI
DN 5,5



MINIDO
DN 4,2



EU-75N
DN 7,6



EU-75S
DN 7,6



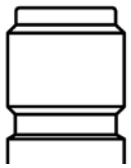
EU-DO75
DN 5,1



EUROFLUID NE-10
DN 5,5



EUROFLUID AEU-75
DN 7,6

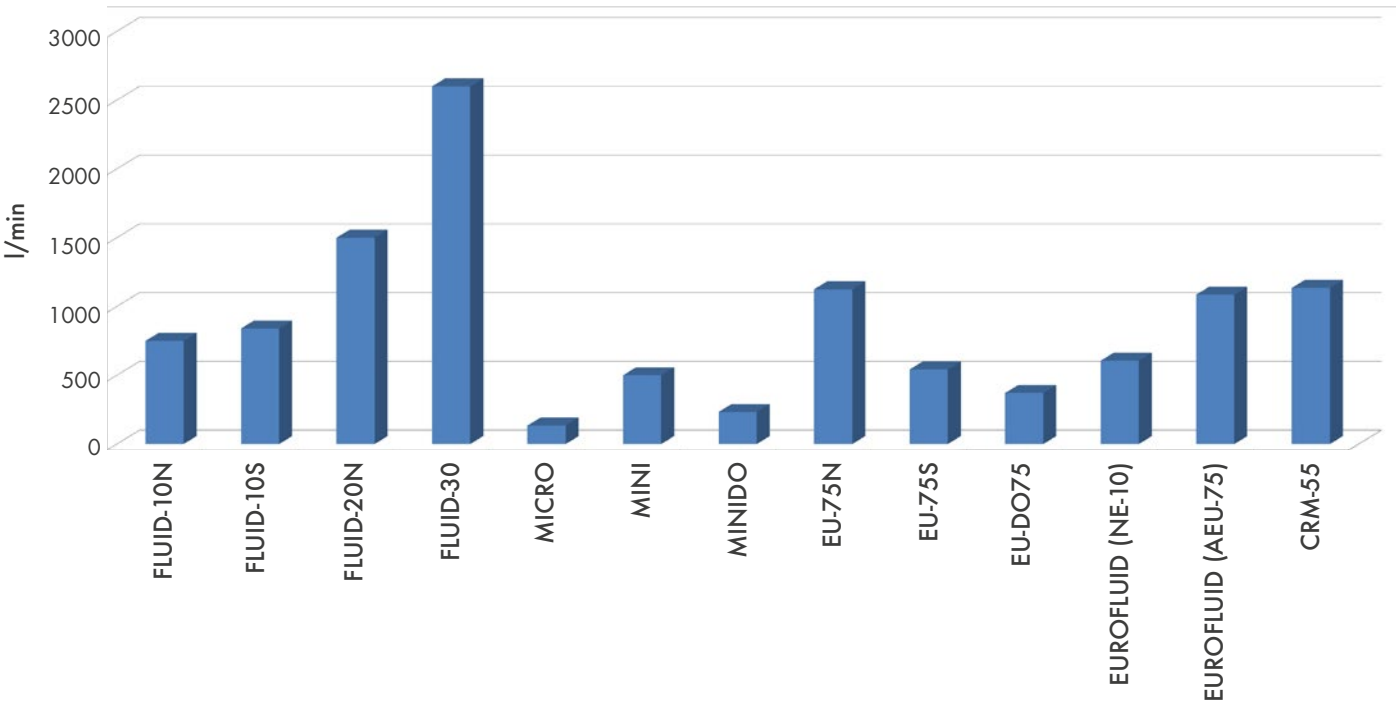


CHRL12
DN 12,1



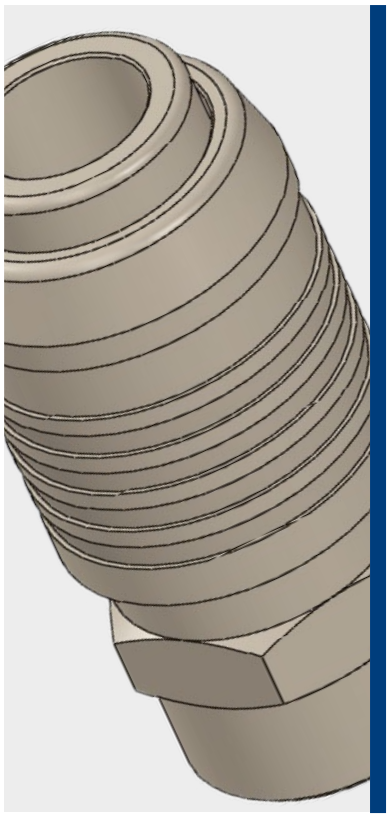
CRM-55
DN 8,5

FLOW CHART



MATERIALS TABLE

MATERIALS FOR SERIES	BRASS	STEEL	STAINLESS STEEL AISI 303	STAINLESS STEEL AISI 316	SAFETY	PL	SO	DO
FLUID-10N		✓	✓	✓		✓	✓	
FLUID-10S		✓			✓		✓	
FLUID-20N		✓				✓	✓	
FLUID-30		✓				✓	✓	
MICRO	✓					✓	✓	
MINI	✓			✓		✓	✓	
MINIDO	✓			✓				✓
EU-75N		✓	✓	✓		✓	✓	
EU-75S	✓				✓		✓	
EU-DO75	✓			✓				✓
EUROFLUID		✓				✓	✓	
CRHL-12	✓		✓	✓		✓		
CRM-55	✓					✓	✓	



FLUID-10N:
NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
FLUID-10S - SAFETY:
NBR: -10°C ÷ 95°C
Standard version: NBR

Working pressure
FLUID-10N:
0-12 Bar (suggested)
35 Bar (max)
FLUID-10S:
0-7 Bar (suggested)

- Taper gas BSPT ISO 7 from R1/4" to R1/2"
- Parallel gas BSPP ISO 228 from G1/4" to G1/2"

FLUID-10N: Compressed air
FLUID-10N-LX: Compressed air
FLUID-10N-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials
FLUID-10N-X-316: Compressed air, water, chemicals, applications in highly corrosive environments and fluids suitable with construction materials
FLUID-10S: Compressed air

REGULATION

ISO 6150 B12

NOMINAL DIAMETER

5,5 mm

FLOWRATE

750 l/min (FLUID-10N)
840 l/min (FLUID-10S - SAFETY)

CONFIGURATIONS

FLUID-10N
PL
Free
Passage

FLUID-10N
FLUID-10S
SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

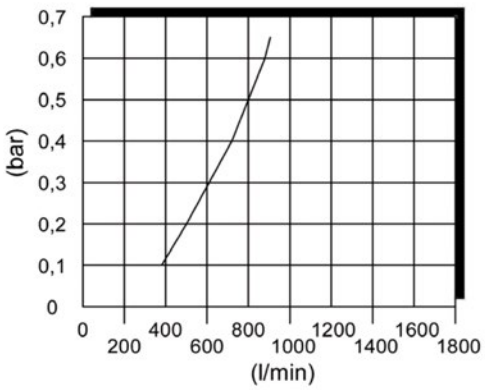
Products in compliance with the directive EU 2015/863

COMPONENTS	FLUID-10N	FLUID-10N-LX	FLUID-10N-X	FLUID-10N-316X	FLUID-10S SAFETY
Body	Nickel-plated steel	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated steel
Slide	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated steel
Adapter	Nickel-plated brass	Nickel-plated brass	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated brass
Valve	Nickel-plated brass	Nickel-plated brass	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated brass
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 302
Ball	Chromed steel	Chromed steel	Stainless steel AISI 316	Stainless steel AISI 316	Chromed steel
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 302
Cartridge	-	-	-	-	Nickel-plated steel
Seal	NBR	NBR	NBR - FKM	NBR - FKM	NBR

CONNECTION	NE-10		NE-10-X	NE-10-316X	
Body	Hardened nickel-plated steel		Stainless steel AISI 303	Stainless steel AISI 316	

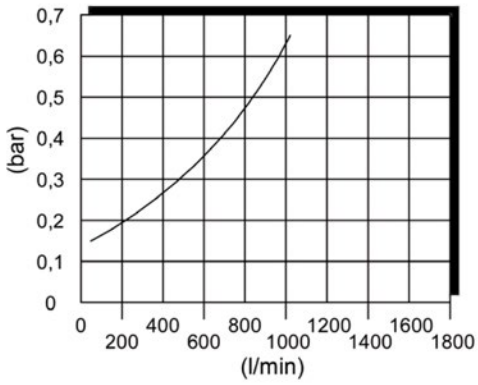
FLOW CHART
FLUID-10N

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



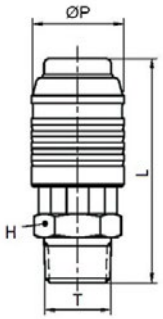
FLOW CHART
FLUID-10S - SAFETY

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



FLUID-10N-M
Male quick coupling BSPT thread





CODE	T	ØP	L	H
FLUID-10N-M1/4	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-PL	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-LX	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-LX-PL	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-X	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-X-PL	R 1/4"	23,4	54,5	19
FLUID-10N-M1/4-316X	R 1/4"	23,4	53,0	21
FLUID-10N-M1/4-316X-PL	R 1/4"	23,4	53,0	21
FLUID-10N-M3/8	R 3/8"	23,4	55,5	19
FLUID-10N-M3/8-PL	R 3/8"	23,4	55,5	19
FLUID-10N-M3/8-LX	R 3/8"	23,4	55,5	19
FLUID-10N-M3/8-LX-PL	R 3/8"	23,4	55,5	19
FLUID-10N-M3/8-X	R 3/8"	23,4	55,5	19
FLUID-10N-M3/8-X-PL	R 3/8"	23,4	55,5	19
FLUID-10N-M1/2	R 1/2"	23,4	60,0	22
FLUID-10N-M1/2-PL	R 1/2"	23,4	60,0	22
FLUID-10N-M1/2-LX	R 1/2"	23,4	60,0	22
FLUID-10N-M1/2-LX-PL	R 1/2"	23,4	60,0	22
FLUID-10N-M1/2-X	R 1/2"	23,4	60,0	22
FLUID-10N-M1/2-X-PL	R 1/2"	23,4	60,0	22

Male quick coupling BSPP thread

FLUID-10N-M1/4G	G 1/4"	23,4	53,0	21
FLUID-10N-M1/4G-PL	G 1/4"	23,4	53,0	21
FLUID-10N-M3/8G	G 3/8"	23,4	54,5	21
FLUID-10N-M3/8G-PL	G 3/8"	23,4	54,5	21
FLUID-10N-M1/2G	G 1/2"	23,4	57,5	24
FLUID-10N-M1/2G-PL	G 1/2"	23,4	57,5	24

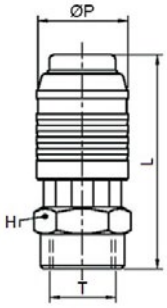
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

FLUID-10N-H

Female quick coupling BSPP thread





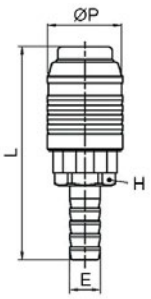
CODE	T	ØP	L	H
FLUID-10N-H1/4	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-PL	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-LX	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-LX-PL	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-X	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-X-PL	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-316X	G 1/4"	23,4	52,5	19
FLUID-10N-H1/4-316X-PL	G 1/4"	23,4	52,5	19
FLUID-10N-H3/8	G 3/8"	23,4	54,0	22
FLUID-10N-H3/8-PL	G 3/8"	23,4	54,0	22
FLUID-10N-H3/8-LX	G 3/8"	23,4	54,0	22
FLUID-10N-H3/8-LX-PL	G 3/8"	23,4	54,0	22
FLUID-10N-H3/8-X	G 3/8"	23,4	54,0	22
FLUID-10N-H3/8-X-PL	G 3/8"	23,4	54,0	22
FLUID-10N-H1/2	G 1/2"	23,4	58,2	25
FLUID-10N-H1/2-PL	G 1/2"	23,4	58,2	25
FLUID-10N-H1/2-LX	G 1/2"	23,4	58,2	25
FLUID-10N-H1/2-LX-PL	G 1/2"	23,4	58,2	25
FLUID-10N-H1/2-X	G 1/2"	23,4	58,2	24
FLUID-10N-H1/2-X-PL	G 1/2"	23,4	58,2	24

-PL: Free Passage

FLUID-10N-E

Quick coupling with barb connnector





CODE	E	ØP	L	H
FLUID-10N-E6	7,2	23,4	62,0	19
FLUID-10N-E6-PL	7,2	23,4	62,0	19
FLUID-10N-E8	9,2	23,4	62,0	19
FLUID-10N-E8-PL	9,2	23,4	62,0	19
FLUID-10N-E8-LX	9,2	23,4	62,0	19
FLUID-10N-E8-LX-PL	9,2	23,4	62,0	19
FLUID-10N-E8-X	9,2	23,4	62,0	19
FLUID-10N-E8-X-PL	9,2	23,4	62,0	19
FLUID-10N-E8-316X	9,2	23,4	62,0	19
FLUID-10N-E8-316X-PL	9,2	23,4	62,0	19
FLUID-10N-E10	11,2	23,4	66,0	19
FLUID-10N-E10-PL	11,2	23,4	66,0	19
FLUID-10N-E10-LX	11,2	23,4	66,0	19
FLUID-10N-E10-LX-PL	11,2	23,4	66,0	19
FLUID-10N-E10-X	11,2	23,4	66,0	19
FLUID-10N-E10-X-PL	11,2	23,4	66,0	19
FLUID-10N-E12	13,2	23,4	71,0	19
FLUID-10N-E12-PL	13,2	23,4	71,0	19
FLUID-10N-E12-X	13,2	23,4	71,0	19
FLUID-10N-E12-X-PL	13,2	23,4	71,0	19

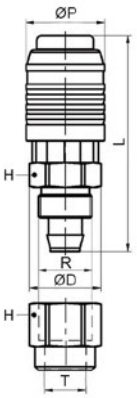
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

FLUID-10N-PM

Quick coupling with push-on connector





CODE	TUBE Ø	R	ØP	L	H	H1
FLUID-10N-PM08	8x12	M16x1	23,4	64,7	19	19
FLUID-10N-PM08-PL	8x12	M16x1	23,4	64,7	19	19
FLUID-10N-PM08-X	8x12	M16x1	23,4	64,7	19	19
FLUID-10N-PM08-X-PL	8x12	M16x1	23,4	64,7	19	19
FLUID-10N-PM10	10x15	M20x1	23,4	69,5	22	22
FLUID-10N-PM10-PL	10x15	M20x1	23,4	69,5	22	22

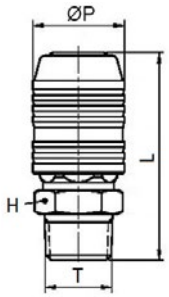
Recommended for use with PU-PVC tube on page 751

-PL: Free Passage

FLUID-10S-M

Safety male quick coupling BSPT thread





CODE	T	ØP	L	H
FLUID-10S-M1/4	R 1/4"	26,6	55,7	19
FLUID-10S-M3/8	R 3/8"	26,6	56,7	19
FLUID-10S-M1/2	R 1/2"	26,6	61,2	22

Safety male quick coupling BSPP thread

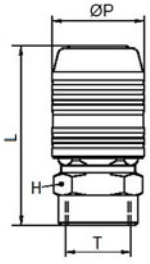
FLUID-10S-M1/4G	G 1/4"	26,6	54,2	21
FLUID-10S-M3/8G	G 3/8"	26,6	55,7	21
FLUID-10S-M1/2G	G 1/2"	26,6	54,2	24

FLUID-10S-M
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

FLUID-10S-H

Safety female quick coupling BSPP thread





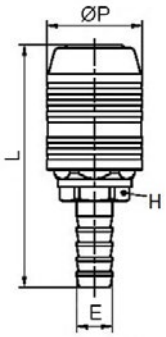
CODE	T	ØP	L	H
FLUID-10S-H1/4	G 1/4"	26,6	53,7	19
FLUID-10S-H3/8	G 3/8"	26,6	55,2	22
FLUID-10S-H1/2	G 1/2"	26,6	59,4	25

FLUID-10S-H
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

FLUID-10S-E

Safety quick coupling with barb connector





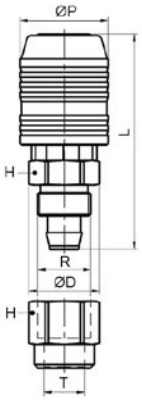
CODE	E	ØP	L	H
FLUID-10S-E6	7,2	26,6	63,2	19
FLUID-10S-E8	9,2	26,6	63,2	19
FLUID-10S-E10	11,2	26,6	67,2	19
FLUID-10S-E12	13,2	26,6	72,2	19
FLUID-10S-E13	13,8	26,6	72,2	19

FLUID-10S-E
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

FLUID-10S-PM

Safety quick coupling with push-on connector





CODE	TUBE Ø	R	ØP	L	H	H1
FLUID-10S-PM08	8x12	M16x1	26,6	64,7	19	19
FLUID-10S-PM10	10x15	M20x1	26,6	69,5	22	22

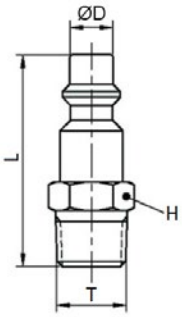
Recommended for use with PU-PVC tube on page 751

FLUID-10S-PM
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

NE-10M

Male connection BSPT thread



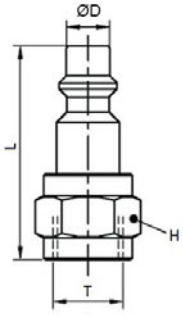


CODE	T	ØD	L	H
NE-10M	R 1/4"	8	40,0	14
NE-10M-X	R 1/4"	8	40,0	14
NE-10M-316X	R 1/4"	8	40,0	14
NE-10M-3/8	R 3/8"	8	42,5	17
NE-10M-3/8-X	R 3/8"	8	42,5	17
NE-10M-1/2	R 1/2"	8	46,0	22
NE-10M-1/2-X	R 1/2"	8	46,0	22

NE-10H

Female connection BSPP thread



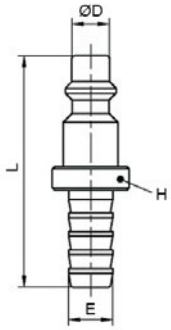


CODE	T	ØD	L	H
NE-10H	G 1/4"	8	40,0	17
NE-10H-X	G 1/4"	8	40,0	17
NE-10H-316X	G 1/4"	8	40,0	17
NE-10H-3/8	G 3/8"	8	41,5	22
NE-10H-1/2	G 1/2"	8	44,0	25

NE-10E

Connection with barb connector



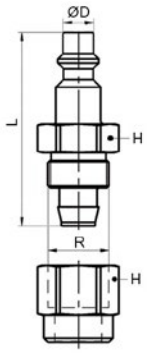


CODE	E	ØD	L	H
NE-10E-6	7,2	8	46,0	14
NE-10E-8	9,2	8	47,0	14
NE-10E-X	9,2	8	47,0	14
NE-10E-10	11,2	8	52,0	14
NE-10E-10-X	11,2	8	52,0	14
NE-10E-10-316X	11,2	8	52,0	14
NE-10E-12	13,2	8	54,0	14

NE-10PM

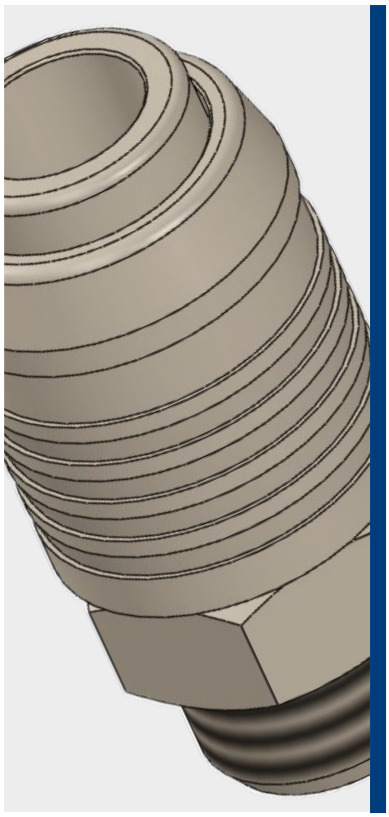
Connection with push-on connector





CODE	TUBE Ø	R	ØD	L	H
NE-10PM-08	8x12	M16x1	8	50,7	19
NE-10PM-08-X	8x12	M16x1	8	50,7	19
NE-10PM-10	10x15	M20x1	8	55,5	22

Recommended for use with PU-PVC tube on page 751



-10°C ÷ 95°C

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

Compressed air

- Taper gas BSPT ISO 7
  from R1/4" to R1/2"
- Parallel gas BSPP ISO 228
  G3/8" and G1/2"

REGULATION

ISO 6150 B15

NOMINAL DIAMETER

8 mm

FLOWRATE

1500 l/min

CONFIGURATIONS



PL
Free
Passage

SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

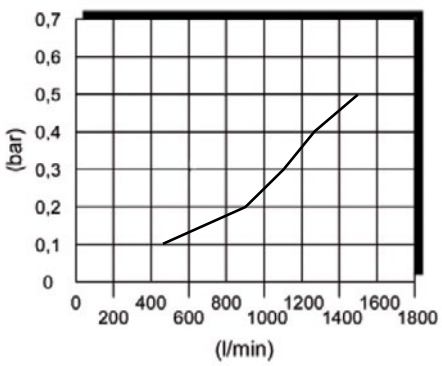
Products in compliance with the directive EU 2015/863

COMPONENTS	FLUID-20N
Body	Nickel-plated steel
Slide	Nickel-plated steel
Adapter	Nickel-plated brass
Valve	Nickel-plated brass
Spring	Stainless steel AISI 302
Ball	Chromed steel
Retaining ring	Stainless steel AISI 302
Seal	NBR

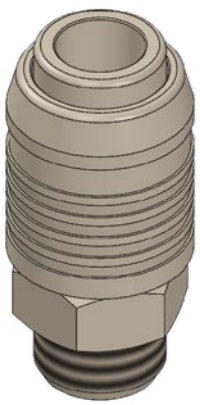
CONNECTION	NE-20
Body	Nickel-plated steel

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



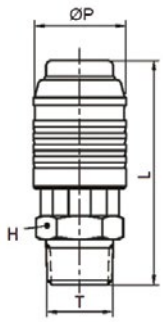
VIEW - QUICK COUPLING FLUID-20N-M



FLUID-20N-M

Male quick coupling BSPT thread





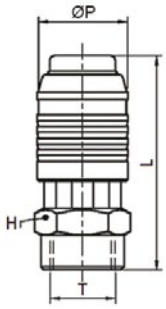
CODE	T	ØP	L	H
FLUID-20N-M3/8	R 3/8"	27,6	59,5	21
FLUID-20N-M3/8-PL	R 3/8"	27,6	59,5	21
FLUID-20N-M1/2	R 1/2"	27,6	63,0	22
FLUID-20N-M1/2-PL	R 1/2"	27,6	63,0	22

-PL: Free Passage

FLUID-20N-H

Female quick coupling BSPP thread





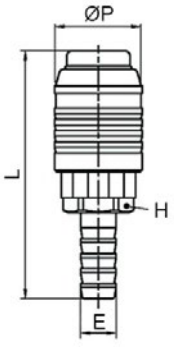
CODE	T	ØP	L	H
FLUID-20N-H3/8	G 3/8"	27,6	59,0	22
FLUID-20N-H3/8-PL	G 3/8"	27,6	59,0	22
FLUID-20N-H1/2	G 1/2"	27,6	59,0	25
FLUID-20N-H1/2-PL	G 1/2"	27,6	59,0	25

-PL: Free Passage

FLUID-20N-E

Quick coupling with barb connector





CODE	E	ØP	L	H
FLUID-20N-E10	11,2	27,6	73,0	21
FLUID-20N-E10-PL	11,2	27,6	73,0	21
FLUID-20N-E12	13,2	27,6	75,0	21
FLUID-20N-E12-PL	13,2	27,6	75,0	21

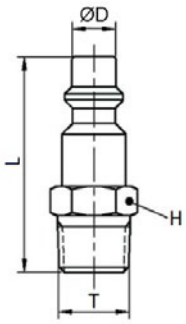
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

NE-20M

Male connection BSPT thread



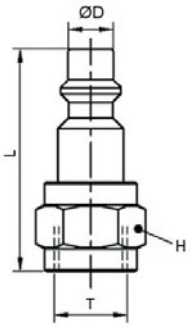


CODE	T	ØD	L	H
NE-20M-1/4	R 1/4"	10,8	44,1	17
NE-20M	R 3/8"	10,8	45,1	17
NE-20M-1/2	R 1/2"	10,8	48,1	22

NE-20H

Female connection BSPP thread



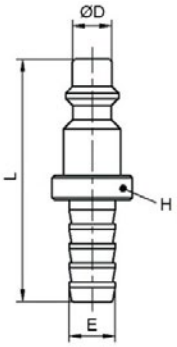


CODE	T	ØD	L	H
NE-20H	G 3/8"	10,8	42,6	22
NE-20H-1/2	G 1/2"	10,8	47,6	27

NE-20E

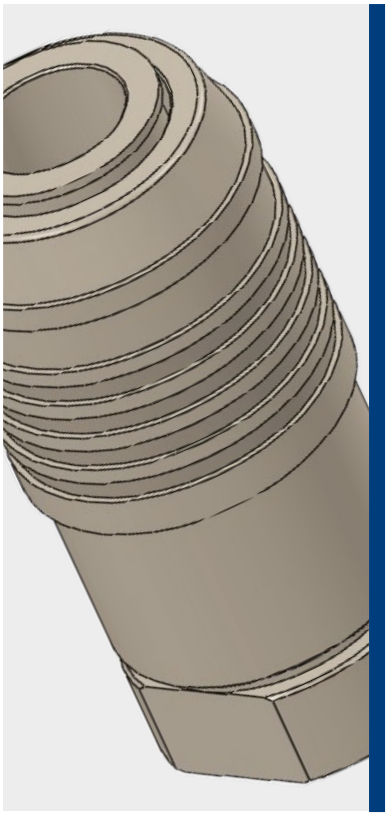
Connection with barb connector





CODE	E	ØD	L	H
NE-20E	11,2	10,8	54,1	20
NE-20E-13	13,8	10,8	59,1	20





-10°C ÷ 95°C

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

Compressed air

- Taper gas BSPT ISO 7 R1/2"
- Parallel gas BSPP ISO 228 G3/8" and G1/2"

REGULATION

ISO 6150 B17

NOMINAL DIAMETER

12 mm

FLOWRATE

2006 l/min

CONFIGURATIONS



PL
Free
Passage

SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

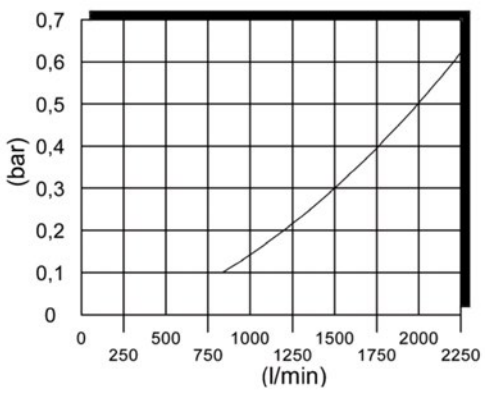
Products in compliance with the directive EU 2015/863

COMPONENTS	FLUID-30
Body	Nickel-plated steel
Slide	Nickel-plated steel
Adapter	Nickel-plated brass
Valve	Stainless steel AISI 303
Spring	Stainless steel AISI 302
Retainig ring	Stainless steel AISI 302
Washer	Stainless steel AISI 304
Pins	Stainless steel AISI 303
Seal	NBR

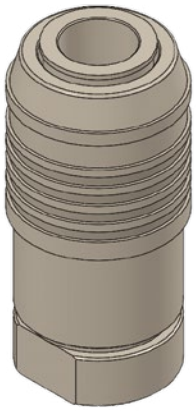
CONNECTION	NE-30
Body	Hardened nickel-plated steel

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



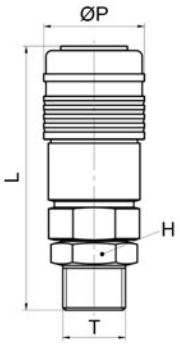
VIEW - QUICK COUPLING FLUID-30H



FLUID-30M

Male quick coupling BSPP thread





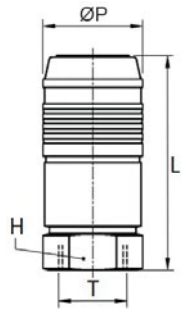
CODE	T	ØP	L	H
FLUID-30M	G 1/2"	33,6	88,0	27
FLUID-30M-PL	G 1/2"	33,6	88,0	27

-PL: Free Passage

FLUID-30H

Female quick coupling BSPP thread





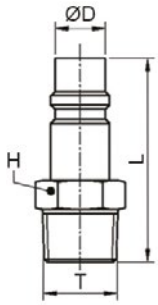
CODE	T	ØP	L	H
FLUID-30	G 1/2"	33,6	65,5	27
FLUID-30-PL	G 1/2"	33,6	65,5	27

-PL: Free Passage

NE-30M

Male connection BSPT thread



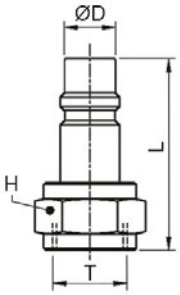


CODE	T	ØD	L	H
NE-30M	R 1/2"	14,3	58,5	22

NE-30H

Female connection BSPP thread



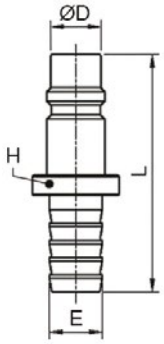


CODE	T	ØD	L	H
NE-30H-3/8	G 3/8"	14,3	54,0	22
NE-30H	G 1/2"	14,3	54,0	27

NE-30E

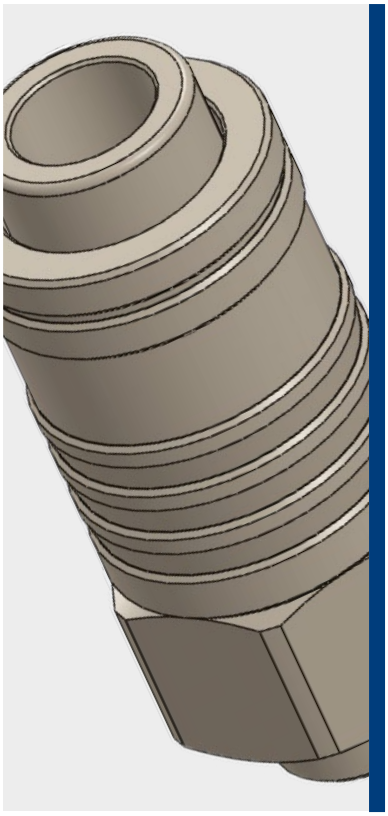
Connection with barb connector





CODE	E	ØD	L	H
NE-30E	15,2	14,3	69,0	25





NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
20 Bar (max)

Compressed air and fluids suitable with construction materials

- Taper gas BSPT ISO 7 R1/8"
- Parallel gas BSPP ISO 228 G1/8"
- Metric ISO 262 M5

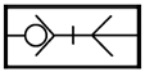
NOMINAL DIAMETER

2,5 mm

FLOWRATE

135 l/min

CONFIGURATIONS



SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

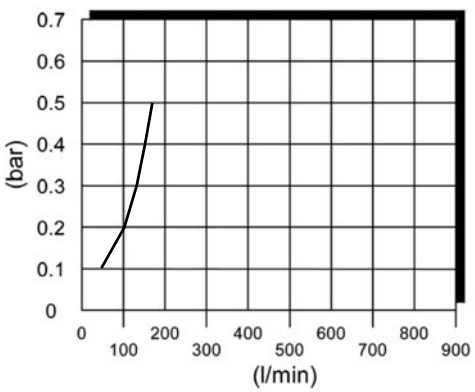
Products in compliance with the directive EU 2015/863

COMPONENTS	MICRO
Body	Nickel-plated brass
Slide	Nickel-plated brass
Adapter	Nickel-plated brass
Valve	Nickel-plated brass
Spring	Stainless steel AISI 302
Ball	Stainless steel AISI 420
Retaining ring	Stainless steel AISI 302
Seal	NBR - FKM

CONNECTION	AMC
Body	Nickel-plated brass

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



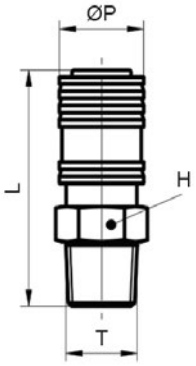
VIEW - QUICK COUPLING MICRO-M



MICRO-M

Male micro quick coupling BSPT thread



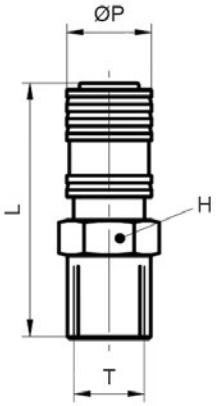


CODE	T	ØP	L	H
MICRO-M18-L	R 1/8"	11,7	32,4	12

MICRO-H

Female micro quick coupling BSPP & metric thread



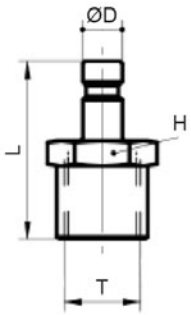


CODE	T	ØP	L	H
MICRO-HM5-L	M5x0,8	11,7	32,9	11
MICRO-H18-L	G 1/8"	11,7	35,4	12

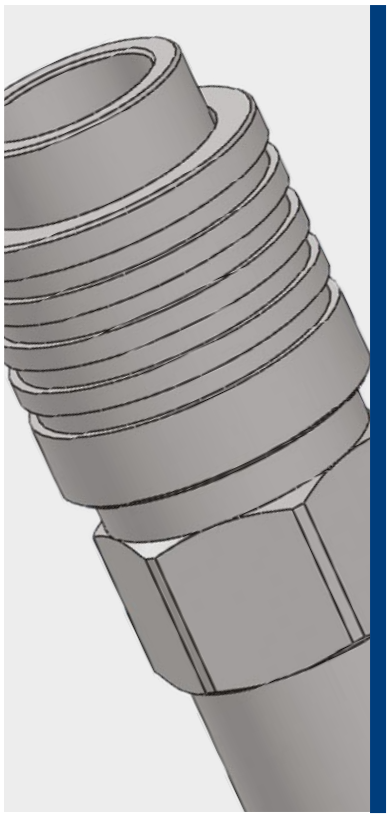
AMC-H

Female micro connection BSPP thread





CODE	T	ØD	L	H
AMC-H18-L	G 1/8"	5	22,5	12



NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

MINI-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils, applications in non-corrosive environments and fluids suitable with construction materials
MINI-316: Compressed air, water, grease, oils, mild acids, applications in highly oxidising or corrosive environments and fluids suitable with construction materials

Parallel gas BSPP ISO 228 from G1/8" to G3/8"

NOMINAL DIAMETER

5,5 mm

FLOWRATE

500 l/min

CONFIGURATIONS

SO
Single
Shutter

Food contact materials
EC 1935/2004
MINI-316 &
AMN-316 Series

D.M. 174/2004
MINI-316 &
AMN-316 Series

Products in compliance with EC Regulation 1907/2006

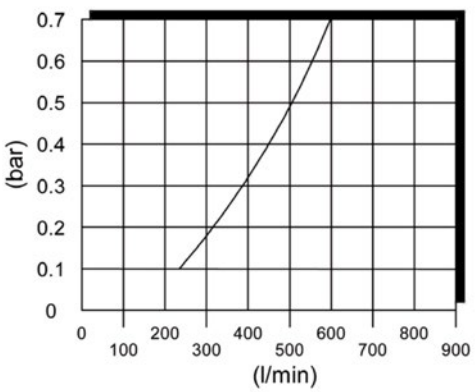
Products in compliance with the directive EU 2015/863

COMPONENTS	MINI-L	MINI-316
Body	Nickel-plated brass	Stainless steel AISI 316
Slide	Nickel-plated steel	Stainless steel AISI 316
Adapter	Nickel-plated brass	Stainless steel AISI 316
Valve	Nickel-plated brass	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 316
Ball	Stainless steel AISI 316	Stainless steel AISI 316
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 316
Wrench	Nickel-plated brass	Stainless steel AISI 316
Seal	NBR - FKM	FKM

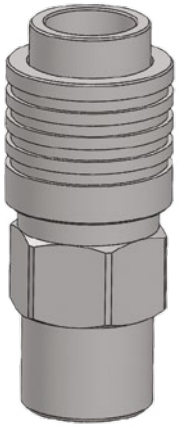
CONNECTION	AMN-L	AMN-316
Body	Nickel-plated brass	Stainless steel AISI 316

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



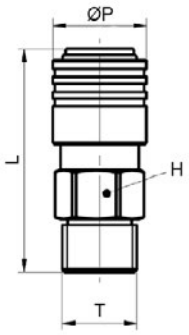
VIEW - QUICK COUPLING MINI-H



MINI-M

Male mini quick coupling BSPP thread



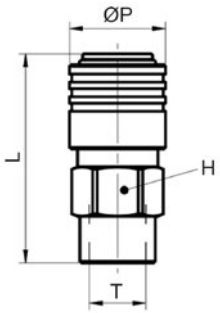


CODE	T	ØP	L	H
MINI-M1-L	G 1/8"	16,5	36,2	14
MINI-M1-316V	G 1/8"	16,5	36,2	14
MINI-M-L	G 1/4"	16,5	38,2	14
MINI-M-316V	G 1/4"	16,5	38,2	14
MINI-M3-316V	G 3/8"	16,5	39,2	19

MINI-H

Female mini quick coupling BSPP thread



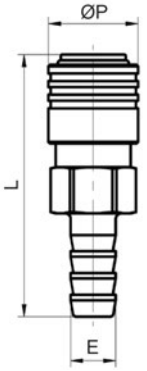


CODE	T	ØP	L	H
MINI-H1-L	G 1/8"	16,5	37,2	14
MINI-H1-316V	G 1/8"	16,5	37,2	14
MINI-H-L	G 1/4"	16,5	39,2	17
MINI-H-316V	G 1/4"	16,5	39,2	17

MINI-E

Mini quick coupling with barb connector





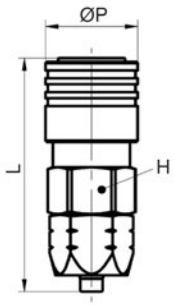
CODE	E	ØP	L	H
MINI-E6-L	6,3	16,5	48,2	14
MINI-E6-316V	6,3	16,5	48,2	14
MINI-E8-L	8,3	16,5	48,2	14
MINI-E8-316V	8,3	16,5	48,2	14

drawings and technical data are not binding & can be changed without notice

MINI-RR

Mini quick coupling with push-on connector



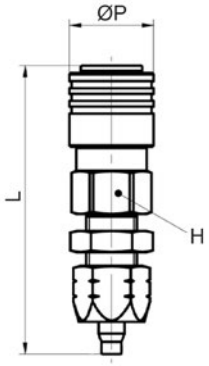


CODE	TUBE Ø	ØP	L	H
MINI-RR6-L	6x4	16,5	43,2	14
MINI-RR8-L	8x6	16,5	43,2	14

MINI-MM

Bulkhead mini quick coupling with push-on connector



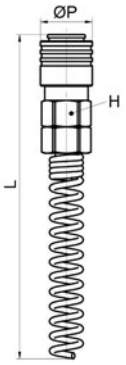


CODE	TUBE Ø	ØP	L	H
MINI-MM6-L	6x4	16,5	56,7	14
MINI-MM8-L	8x6	16,5	56,7	14

MINI-RRR

Mini quick coupling with push-on connector and spring



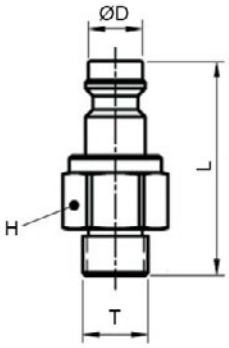


CODE	TUBE Ø	ØP	L	H
MINI-RR6R-L	6x4	16,5	124,7	14
MINI-RR8R-L	8x6	16,5	123,2	14

AMN-M

Male mini connection BSPP thread



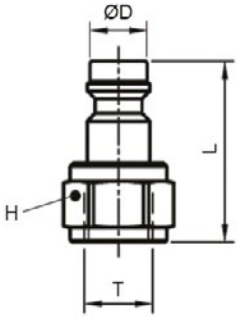


CODE	T	ØD	L	H
AMN-M1-L	G 1/8"	8,1	32,1	14
AMN-M1-316	G 1/8"	8,1	32,1	14
AMN-M-L	G 1/4"	8,1	34,1	14
AMN-M-316	G 1/4"	8,1	34,1	14

AMN-H

Female mini connection BSPP thread



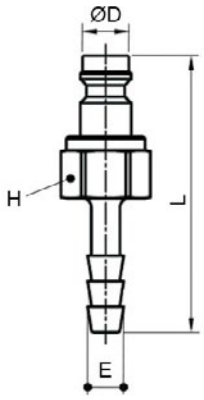


CODE	T	ØD	L	H
AMN-H1-L	G 1/8"	8,1	25,1	14
AMN-H1-316	G 1/8"	8,1	25,1	14
AMN-H-L	G 1/4"	8,1	29,1	17
AMN-H-316	G 1/4"	8,1	29,1	17

AMN-E

Mini connection with barb connector



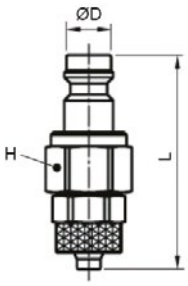


CODE	E	ØD	L	H
AMN-E6-L	6,3	8,1	37,1	14
AMN-E8-L	8,3	8,1	37,1	14

AMN-RR

Mini connection with push-on connector



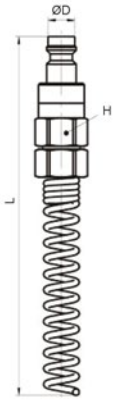


CODE	TUBE Ø	ØD	L	H
AMN-RR6-L	6x4	8,1	39,1	12
AMN-RR6-316	6x4	8,1	39,1	12
AMN-RR8-L	8x6	8,1	39,1	14
AMN-RR8-316	8x6	8,1	39,1	14

AMN-RRR

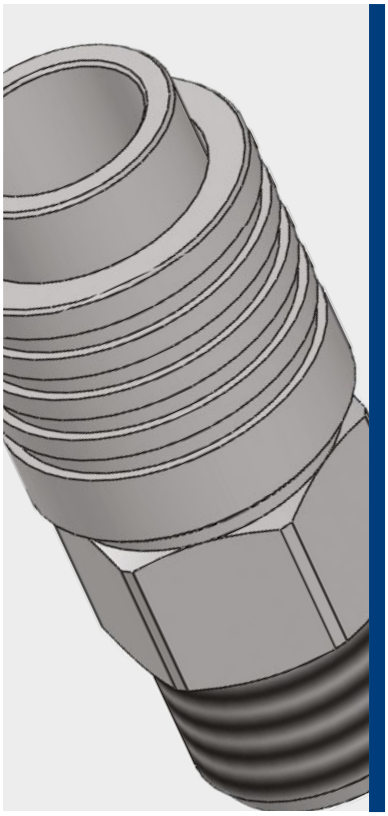
Mini connection with push-on connector and spring





CODE	TUBE Ø	ØD	L	H
AMN-RR6R-L	6x4	8,1	120,6	12
AMN-RR8R-L	8x6	8,1	119,1	14





NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 200°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

MINIDO-L: Compressed air, water, gas, non-aggressive mineral or synthetic oils, applications in non-corrosive environments and fluids suitable with construction materials
MINIDO-316: Compressed air, water, grease, oils, mild acids, applications in highly oxidising or corrosive environments and fluids suitable with construction materials

Parallel gas BSPP ISO 228 from G1/8" to G3/8"

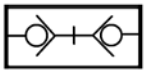
NOMINAL DIAMETER

4,2 mm

FLOWRATE

233 l/min

CONFIGURATIONS



DO
Double
Shutter

Food contact materials EC 1935/2004 MINIDO-316 & AMNDO-316 Series

D.M. 174/2004 MINIDO-316 & AMNDO-316 Series

Products in compliance with EC Regulation 1907/2006

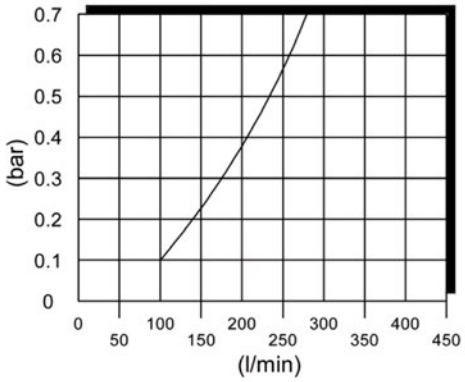
Products in compliance with the directive EU 2015/863

COMPONENTS	MINIDO-L	MINIDO-316
Body	Nickel-plated brass	Stainless steel AISI 316
Slide	Nickel-plated steel	Stainless steel AISI 316
Adapter	Nickel-plated brass	Stainless steel AISI 316
Valve	Nickel-plated brass	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 316
Ball	Stainless steel AISI 316	Stainless steel AISI 316
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 316
Seal	NBR - FKM	FKM

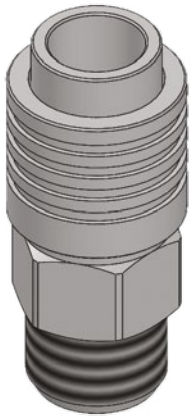
CONNECTION	AMNDO-L	AMNDO-316
Body	Nickel-plated brass	Stainless steel AISI 316
Adapter	Nickel-plated brass	Stainless steel AISI 316
Valve	Nickel-plated brass	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 316
Seal	NBR - FKM	FKM

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



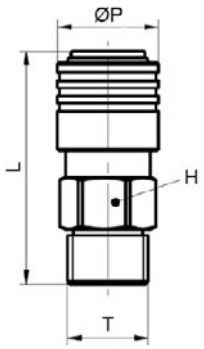
VIEW - QUICK COUPLING MINIDO-M



MINIDO-M

Male mini quick coupling BSPP thread



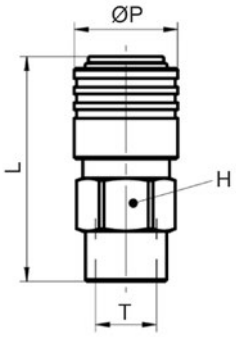


CODE	T	ØP	L	H
MINIDO-M1-L	G 1/8"	16,5	36,2	14
MINIDO-M1-316V	G 1/8"	16,5	36,2	14
MINIDO-M-L	G 1/4"	16,5	38,2	14
MINIDO-M-316V	G 1/4"	16,5	38,2	14
MINIDO-M3-316V	G 3/8"	16,5	39,2	19

MINIDO-H

Female mini quick coupling BSPP thread





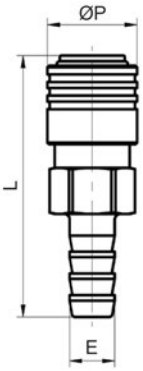
CODE	T	ØP	L	H
MINIDO-H1-L	G 1/8"	16,5	37,2	14
MINIDO-H1-316V	G 1/8"	16,5	37,2	14
MINIDO-H-L	G 1/4"	16,5	39,2	17
MINIDO-H-316V	G 1/4"	16,5	39,2	17

drawings and technical data are not binding & can be changed without notice

MINIDO-E

Mini quick coupling with barb connector



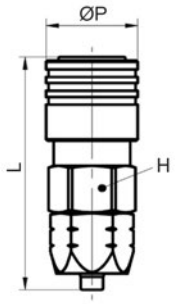


CODE	E	ØP	L	H
MINIDO-E6-L	6,3	16,5	48,2	14
MINIDO-E6-316V	6,3	16,5	48,2	14
MINIDO-E8-L	8,3	16,5	48,2	14
MINIDO-E8-316V	8,3	16,5	48,2	14

MINIDO-RR

Mini quick coupling with push-on connector



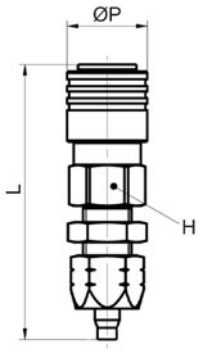


CODE	TUBE Ø	ØP	L	H
MINIDO-RR6-L	6x4	16,5	43,2	14
MINIDO-RR8-L	8x6	16,5	43,2	14

MINIDO-MM

Bulkhead mini quick coupling with push-on connector



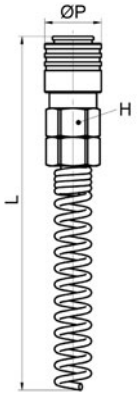


CODE	TUBE Ø	ØP	L	H
MINIDO-MM6-L	6x4	16,5	56,7	14
MINIDO-MM6-316V	6x4	16,5	56,7	14
MINIDO-MM8-L	8x6	16,5	56,7	14
MINIDO-MM8-316V	8x6	16,5	56,7	14

MINIDO-RRR

Mini quick coupling with push-on connector and spring



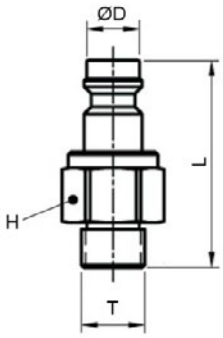


CODE	TUBE Ø	ØP	L	H
MINIDO-RR6R-L	6x4	16,5	124,7	14
MINIDO-RR8R-L	8x6	16,5	123,2	14

AMNDO-M

Male mini connection with shutter, BSPP thread



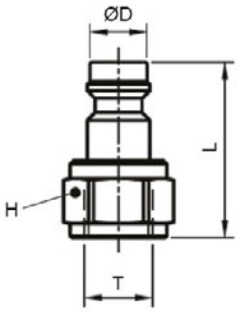


CODE	T	ØD	L	H
AMNDO-M1-L	G 1/8"	8,1	40,1	14
AMNDO-M1-316V	G 1/8"	8,1	40,1	14
AMNDO-M-L	G 1/4"	8,1	42,1	14
AMNDO-M-316V	G 1/4"	8,1	42,1	14
AMNDO-M3-316V	G 3/8"	8,1	43,1	19

AMNDO-H

Female mini connection with shutter, BSPP thread





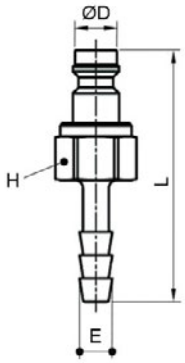
CODE	T	ØD	L	H
AMNDO-H1-L	G 1/8"	8,1	41,1	14
AMNDO-H1-316V	G 1/8"	8,1	41,1	14
AMNDO-H-L	G 1/4"	8,1	43,1	17
AMNDO-H-316V	G 1/4"	8,1	43,1	17

drawings and technical data are not binding & can be changed without notice

AMNDO-E

Mini connection with shutter and barb connector



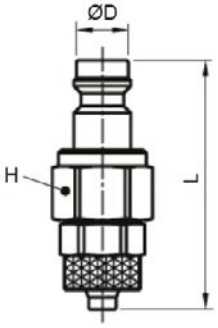


CODE	E	ØD	L	H
AMNDO-E6-L	6,3	8,1	52,1	14
AMNDO-E6-316V	6,3	8,1	52,1	14
AMNDO-E8-L	8,3	8,1	52,1	14
AMNDO-E8-316V	8,3	8,1	52,1	14

AMNDO-RR

Mini connection with shutter and push-on connector



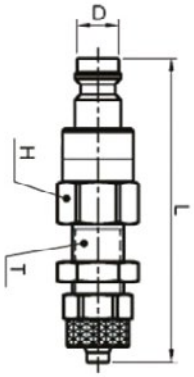


CODE	TUBE Ø	ØD	L	H
MINIDO-RR6-L	8x6	8,1	47,1	14
MINIDO-RR8-L	8x6	8,1	47,1	14

AMNDO-MM

Bulkhead mini connection with shutter and push-on connector



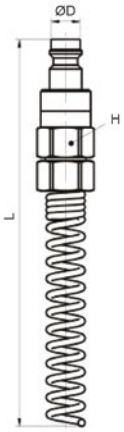


CODE	TUBE Ø	ØD	L	H
AMNDO-MM6-L	6x4	8,1	60,6	14
AMNDO-MM6-316V	6x4	8,1	60,6	14
AMNDO-MM8-L	8x6	8,1	60,6	14

AMNDO-RRR

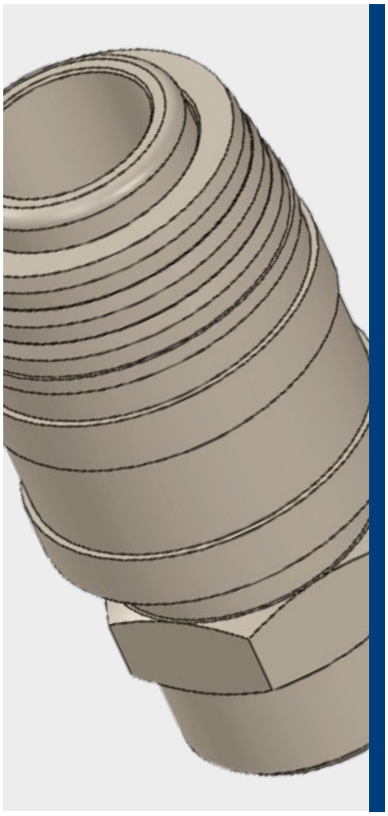
Mini connection with shutter, push-on connector and spring





CODE	TUBE Ø	ØD	L	H
AMNDO-RR6R-L	6x4	8,1	128,6	14
AMNDO-RR8R-L	8x6	8,1	127,1	14

drawings and technical data are not binding & can be changed without notice



EU-75N:
NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
EU-75S - SAFETY:
NBR: -10°C ÷ 95°C
Standard version: NBR

Working pressure
EU-75N:
0-12 Bar (suggested)
35 Bar (max)
FLUID-10S:
0-7 Bar (suggested)

- Taper gas BSPT ISO 7 from R1/4" to R1/2"
- Parallel gas BSPP ISO 228 from G1/4" to G1/2"

EU-75N: Compressed air
EU-75N-X: Compressed air, water, grease, oils, mild acids, applications in oxidising or corrosive environments and fluids suitable with construction materials
EU-75N-X-316: Compressed air, water, grease, oils, mild acids, applications in highly oxidising or corrosive environments and fluids suitable with construction materials
EU-75S: Compressed air

PROFILE
Germany

NOMINAL DIAMETER
7,6 mm

FLOWRATE
1125 l/min (EU-75N)
542 l/min (EU-75S - SAFETY)

CONFIGURATIONS

EU-75N
PL
Free
Passage

EU-75N
EU-75S
SO
Single
Shutter

Food contact materials
EC 1935/2004
EU-75N-316 &
AEU-75-316 Series

D.M. 174/2004
EU-75N-316 &
AEU-75-316 Series

Products in compliance with EC Regulation 1907/2006

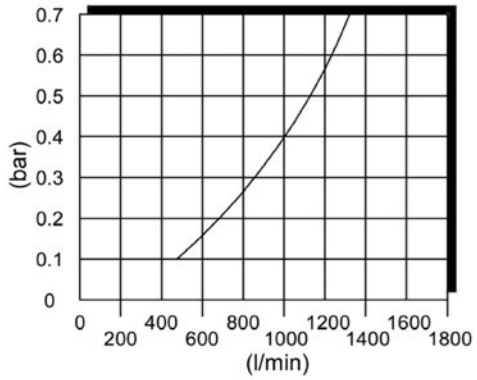
Products in compliance with the directive EU 2015/863

COMPONENTS	EU-75N	EU-75N-X	EU-75N-316	EU-75S - SAFETY
Body	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated steel
Slide	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated steel
Adapter	Nickel-plated brass	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated brass
Valve	Nickel-plated brass	Stainless steel AISI 303	Stainless steel AISI 316	Nickel-plated brass
Spring	Stainless steel AISI 302	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 302
Ball	Chromed steel	Stainless steel AISI 316	Stainless steel AISI 316	Chromed steel
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 302
Cartridge	-	-	-	Nickel-plated steel
Seal	NBR - FKM	NBR - FKM	NBR - FKM	NBR

CONNECTION	AEU-75	AEU-75-X	AEU-75-316
Body	Hardened nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316

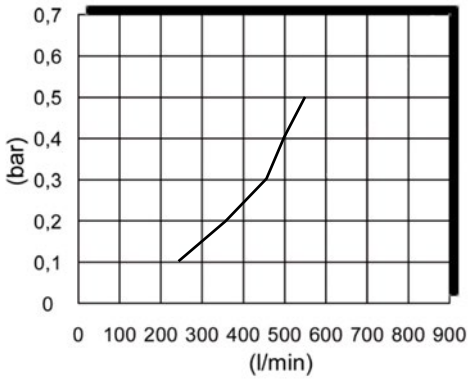
FLOW CHART
EU-75N

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



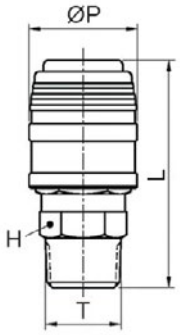
FLOW CHART
EU-75S - SAFETY

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



EU-75N-M
Male quick coupling BSPT thread





CODE	T	ØP	L	H
EU-75N-M1/4	R 1/4"	24,4	51,7	19
EU-75N-M1/4-PL	R 1/4"	24,4	51,7	19
EU-75N-M1/4-X	R 1/4"	24,4	51,7	19
EU-75N-M1/4-X-PL	R 1/4"	24,4	51,7	19
EU-75N-M1/4-316V	R 1/4"	24,4	51,7	19
EU-75N-M1/4-316V-PL	R 1/4"	24,4	51,7	19
EU-75N-M3/8	R 3/8"	24,4	52,7	19
EU-75N-M3/8-PL	R 3/8"	24,4	52,7	19
EU-75N-M3/8-X	R 3/8"	24,4	52,7	19
EU-75N-M3/8-X-PL	R 3/8"	24,4	52,7	19
EU-75N-M3/8-316V	R 3/8"	24,4	52,7	19
EU-75N-M3/8-316V-PL	R 3/8"	24,4	52,7	19
EU-75N-M1/2	R 1/2"	24,4	57,2	22
EU-75N-M1/2-PL	R 1/2"	24,4	57,2	22
EU-75N-M1/2-X	R 1/2"	24,4	57,2	22
EU-75N-M1/2-X-PL	R 1/2"	24,4	57,2	22
EU-75N-M1/2-316V	R 1/2"	24,4	57,2	22
EU-75N-M1/2-316V-PL	R 1/2"	24,4	57,2	22

Male quick coupling BSPP thread

EU-75N-M1/4G	G 1/4"	24,4	50,2	21
EU-75N-M1/4G-PL	G 1/4"	24,4	50,2	21
EU-75N-M3/8G	G 3/8"	24,4	51,7	21
EU-75N-M3/8G-PL	G 3/8"	24,4	51,7	21
EU-75N-M1/2G	G 1/2"	24,4	54,7	24
EU-75N-M1/2G-PL	G 1/2"	24,4	54,7	24

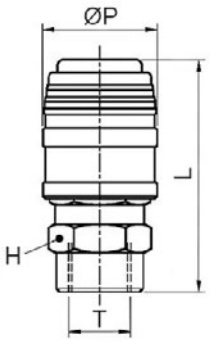
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

EU-75N-H

Female quick coupling BSPP thread





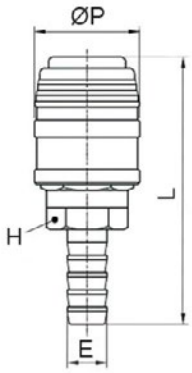
CODE	T	ØP	L	H
EU-75N-H1/4	G 1/4"	24,4	49,7	19
EU-75N-H1/4-PL	G 1/4"	24,4	49,7	19
EU-75N-H1/4-X	G 1/4"	24,4	49,7	19
EU-75N-H1/4-X-PL	G 1/4"	24,4	49,7	19
EU-75N-H1/4-316V	G 1/4"	24,4	49,7	19
EU-75N-H1/4-316V-PL	G 1/4"	24,4	49,7	19
EU-75N-H3/8	G 3/8"	24,4	51,2	22
EU-75N-H3/8-PL	G 3/8"	24,4	51,2	22
EU-75N-H3/8-X	G 3/8"	24,4	51,2	22
EU-75N-H3/8-X-PL	G 3/8"	24,4	51,2	22
EU-75N-H3/8-316V	G 3/8"	24,4	51,2	22
EU-75N-H3/8-316V-PL	G 3/8"	24,4	51,2	22
EU-75N-H1/2	G 1/2"	24,4	55,4	25
EU-75N-H1/2-PL	G 1/2"	24,4	55,4	25
EU-75N-H1/2-X	G 1/2"	24,4	55,4	25
EU-75N-H1/2-X-PL	G 1/2"	24,4	55,4	25
EU-75N-H1/2-316V	G 1/2"	24,4	55,4	25
EU-75N-H1/2-316V-PL	G 1/2"	24,4	55,4	25

-PL: Free Passage

EU-75N-E

Quick coupling with barb connector





CODE	E	ØP	L	H
EU-75N-E6	7,2	24,4	59,2	19
EU-75N-E6-PL	7,2	24,4	59,2	19
EU-75N-E8	9,2	24,4	59,2	19
EU-75N-E8-PL	9,2	24,4	59,2	19
EU-75N-E8-X	9,2	24,4	59,2	19
EU-75N-E8-X-PL	9,2	24,4	59,2	19
EU-75N-E8-316V	9,2	24,4	59,2	19
EU-75N-E8-316V-PL	9,2	24,4	59,2	19
EU-75N-E10	11,2	24,4	63,2	19
EU-75N-E10-PL	11,2	24,4	63,2	19
EU-75N-E10-X	11,2	24,4	63,2	19
EU-75N-E10-X-PL	11,2	24,4	63,2	19
EU-75N-E10-316V	11,2	24,4	63,2	19
EU-75N-E10-316V-PL	11,2	24,4	63,2	19
EU-75N-E12	13,2	24,4	68,2	19
EU-75N-E12-PL	13,2	24,4	68,2	19
EU-75N-E12-X	13,2	24,4	68,2	19
EU-75N-E12-X-PL	13,2	24,4	68,2	19
EU-75N-E13	13,8	24,4	68,2	19
EU-75N-E13-PL	13,8	24,4	68,2	19

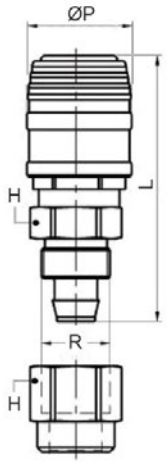
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

EU-75N-PM

Quick coupling with push-on connector





CODE	TUBE Ø	ØP	L	H
EU-75N-PM08	8x10	24,4	61,9	19
EU-75N-PM08-PL	8x10	24,4	61,9	19
EU-75N-PM08-X	8x10	24,4	61,9	19
EU-75N-PM08-X-PL	8x10	24,4	61,9	19
EU-75N-PM10	10x15	24,4	62,6	22
EU-75N-PM10-PL	10x15	24,4	62,6	22

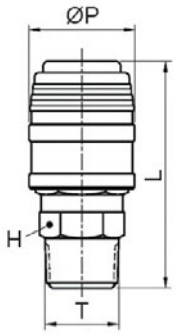
Recommended for use with PU-PVC tube on page 751

-PL: Free Passage

EU-75S-M

Safety male quick coupling BSPT thread





CODE	T	ØP	L	H
EU-75S-M1/4	R 1/4"	28,5	53,6	19
EU-75S-M3/8	R 3/8"	28,5	54,6	19
EU-75S-M1/2	R 1/2"	28,5	59,1	22

Safety male quick coupling BSPP thread

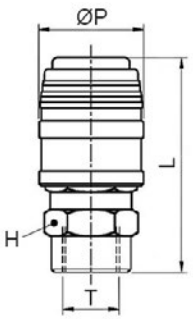
EU-75S-M1/4G	G 1/4"	28,5	52,1	21
EU-75S-M3/8G	G 3/8"	28,5	53,6	21
EU-75S-M1/2G	G 1/2"	28,5	54,7	24

EU-75S-M
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

EU-75S-H

Female safety quick coupling BSPP thread





CODE	T	ØP	L	H
EU-75S-H1/4	G 1/4"	28,5	51,6	19
EU-75S-H3/8	G 3/8"	28,5	53,1	22
EU-75S-H1/2	G 1/2"	28,5	57,3	25

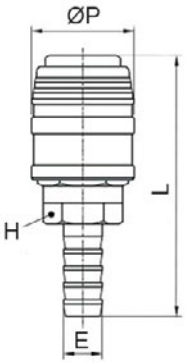
EU-75S-H
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

drawings and technical data are not binding & can be changed without notice

EU-75S-E

Safety quick coupling with barb connector





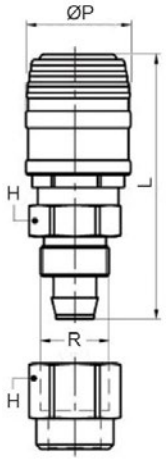
CODE	E	ØP	L	H
EU-75S-E6	7,2	28,5	61,1	19
EU-75S-E8	9,2	28,5	61,1	19
EU-75S-E10	11,2	28,5	65,1	19
EU-75S-E12	13,2	28,5	70,1	19
EU-75S-E13	13,8	28,5	70,1	19

EU-75S-E
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

EU-75S-PM

Safety quick coupling with push-on connector





CODE	TUBE Ø	ØP	L	H
EU-75S-PM08	8x12	28,5	65,2	19
EU-75S-PM10	10x15	28,5	70,0	22

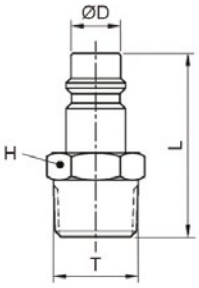
Recommended for use with PU-PVC tube on page 751

EU-75S-PM
It complies with the safety requirements stated in UNI-EN ISO 4414:2011: Protection against accidental tearing of the tube during decompression, "whiplash" effect.

AEU-75M

Male connection BSPT thread



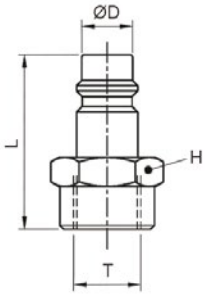


CODE	T	ØD	L	H
AEU-75M	R 1/4"	10	36,5	14
AEU-75M-X	R 1/4"	10	36,5	14
AEU-75M-316	R 1/4"	10	36,5	14
AEU-75M38	R 3/8"	10	37,0	17
AEU-75M38-316	R 3/8"	10	37,0	17
AEU-75M12-316	R 1/2"	10	42,0	22

AEU-75H

Female connection BSPP thread



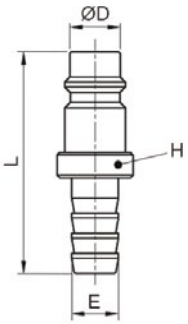


CODE	T	ØD	L	H
AEU-75H	G 1/4"	10	34,0	17
AEU-75H-X	G 1/4"	10	34,0	17
AEU-75H-316	G 1/4"	10	34,0	17
AEU-75H38	G 3/8"	10	34,5	20
AEU-75H38-316	G 3/8"	10	34,5	22
AEU-75H12-316	G 1/2"	10	40,0	24

AEU-75E

Connection with barb connector



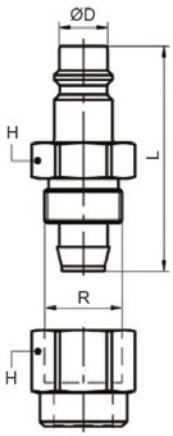


CODE	E	ØD	L	H
AEU-75E	9,2	10	44,0	15
AEU-75E-X	9,2	10	44,0	15
AEU-75E10	11,2	10	48,0	15
AEU-75E10-316	11,2	10	48,0	15
AEU-75E12-316	13,2	10	48,0	17

AEU-75PM

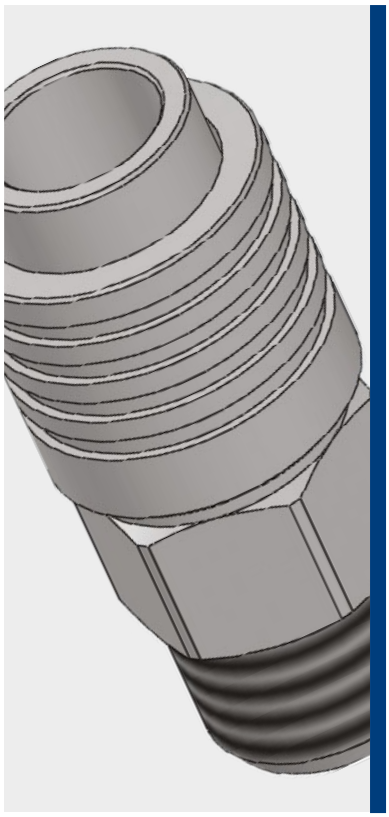
Connection with barb connector





CODE	TUBE Ø	R	ØD	L	H
AEU-75PM08	8x12	M16x1	10	46,7	19
AEU-75PM08-X	8x12	M16x1	10	46,7	19
AEU-75PM10	10x15	M20x1	10	51,5	22

Recommended for use with PU-PVC tube on page 751



NBR: -10°C ÷ 95°C
FKM: -15°C ÷ 205°C
Standard version: NBR

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

- Taper gas BSPT ISO 7
  from R1/4" to R1/2"
- Parallel gas BSPP ISO 228
  from G1/4" to G1/2"

EU-DO75: Compressed air and fluids suitable with construction materials
EU-DO75-316: Compressed air, water, grease, oils, mild acids, applications in highly oxidising or corrosive environments and fluids suitable with construction materials

PROFILE
Germany

NOMINAL DIAMETER
5,1 mm

FLOWRATE
371 l/min

CONFIGURATIONS

DO
Double
Shutter

Food contact materials
EC 1935/2004
EU-DO75-316 &
AEU-DO-316 Series

D.M. 174/2004
EU-DO75-316 &
AEU-DO-316 Series

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

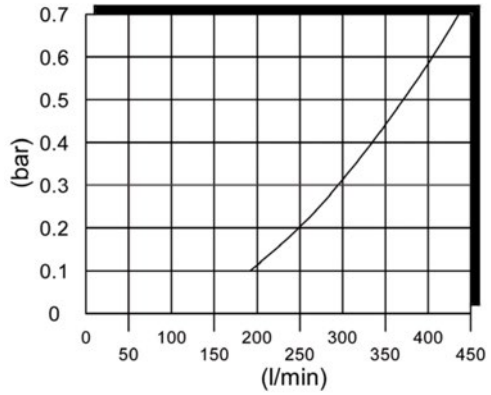
COMPONENTS	EU-DO75	EU-DO75-316
Body	Brass	Stainless steel AISI 316
Slide	Stainless steel AISI 302	Stainless steel AISI 302
Adapter	Brass	Stainless steel AISI 316
Valve	Brass	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 316
Ball	Stainless steel AISI 316	Stainless steel AISI 316
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 302
Seal	NBR - FKM	NBR - FKM

CONNECTION	AEU-DO	AEU-DO-316
Body	Brass	Stainless steel AISI 316
Adapter	Brass	Stainless steel AISI 316
Valve	Brass	Stainless steel AISI 316
Spring	Stainless steel AISI 302	Stainless steel AISI 302
Seal	NBR - FKM	NBR - FKM

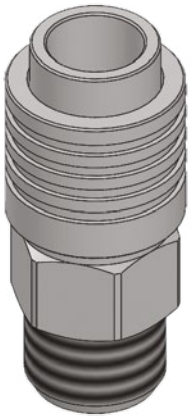
drawings and technical data are not binding & can be changed without notice

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



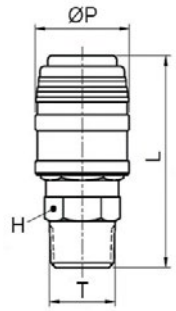
VIEW - QUICK COUPLING EUROSTANDARD-DO



EU-DO75-M

Male quick coupling BSPT thread



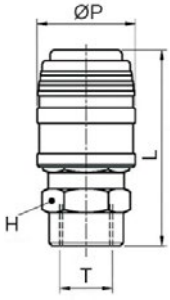


CODE	T	ØP	L	H
EU-DO75M14	R 1/4"	24,4	51,7	19
EU-DO75M14-316V	R 1/4"	24,4	51,7	19
EU-DO75M38	R 3/8"	24,4	52,7	19
EU-DO75M38-316V	R 3/8"	24,4	52,7	19
EU-DO75M12	R 1/2"	24,4	57,2	22
EU-DO75M12-316V	R 1/2"	24,4	57,2	22

EU-DO75-H

Female quick coupling BSPP thread





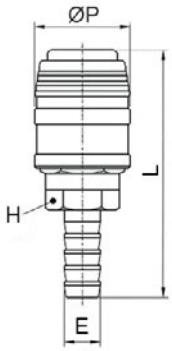
CODE	T	ØP	L	H
EU-DO75H14	G 1/4"	24,4	49,7	19
EU-DO75H14-316V	G 1/4"	24,4	49,7	19
EU-DO75H38	G 3/8"	24,4	51,2	22
EU-DO75H38-316V	G 3/8"	24,4	51,2	22
EU-DO75H12	G 1/2"	24,4	55,4	25
EU-DO75H12-316V	G 1/2"	24,4	55,4	25

drawings and technical data are not binding & can be changed without notice

EU-DO75-E

Quick coupling with barb connector



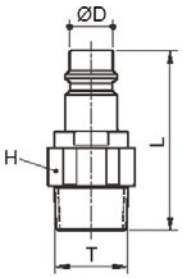


CODE	E	ØP	L	H
EU-DO75E6	7,2	24,4	59,2	19
EU-DO75E8	9,2	24,4	59,2	19
EU-DO75E8-316V	9,2	24,4	59,2	19
EU-DO75E10	11,2	24,4	63,2	19
EU-DO75E10-316V	11,2	24,4	63,2	19
EU-DO75E12	13,2	24,4	68,2	19
EU-DO75E13	13,8	24,4	68,2	19

AEU-DO75M

Male connection with shutter BSPT thread



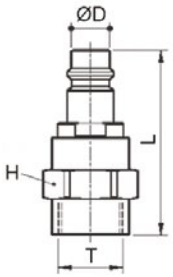


CODE	T	ØD	L	H
AEU-DO75M14	R 1/4"	10	18,0	17
AEU-DO75M14-316V	R 1/4"	10	18,0	17
AEU-DO75M38	R 3/8"	10	20,2	19
AEU-DO75M38-316V	R 3/8"	10	20,2	19
AEU-DO75M12	R 1/2"	10	23,4	22
AEU-DO75M12-316V	R 1/2"	10	23,4	22

AEU-DO75H

Female connection with shutter BSPP thread



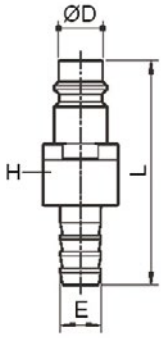


CODE	T	ØD	L	H
AEU-DO75H14	G 1/4"	10	19,0	17
AEU-DO75H14-316V	G 1/4"	10	19,0	17
AEU-DO75H38	G 3/8"	10	24,5	22
AEU-DO75H38-316V	G 3/8"	10	24,5	22
AEU-DO75H12	G 1/2"	10	27,0	24
AEU-DO75H12-316V	G 1/2"	10	27,0	24

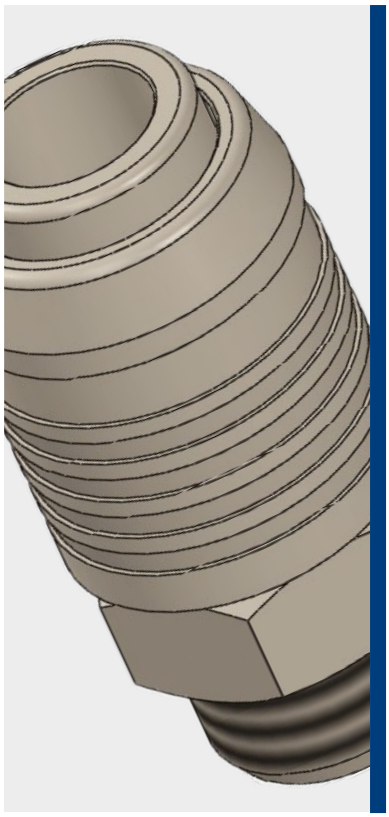
AEU-DO75E

Connection with shutter and barb connector





CODE	E	ØD	L	H
AEU-DO75E8	9,2	10	54,0	17
AEU-DO75E8-316V	9,2	10	54,0	17
AEU-DO75E10	11,2	10	58,0	17



NBR: -10°C ÷ 95°C

Working pressure:
0-12 Bar (suggested)
35 Bar (max)

Compressed air

- Taper gas BSPT ISO 7 from R1/4" to R1/2"
- Parallel gas BSPP ISO 228 from G1/4" to G1/2"

FLOWRATE

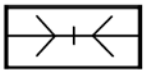
NE-10: 606 l/min

AEU-75: 1086 l/min

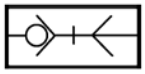
PROFILE: EUROFLUID



CONFIGURATIONS



PL
Free
Passage



SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

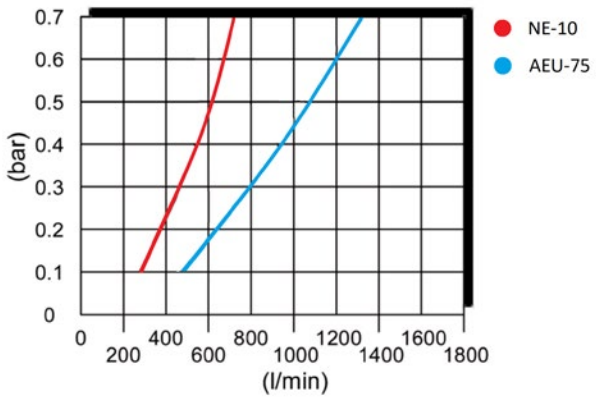
Products in compliance with the directive EU 2015/863

COMPONENTS	EUROFLUID
Body	Nickel-plated steel
Slide	Nickel-plated steel
Adapter	Nickel-plated brass
Valve	Nickel-plated brass
Spring	Stainless steel AISI 302
Ball	Chromed steel
Retaining ring	Stainless steel AISI 302
Seal	NBR

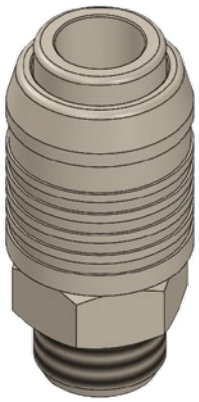
CONNECTION	NE-10	AEU-75
Body	Hardened nickel-plated steel	Hardened nickel-plated steel

FLOW CHART

Chart created considering a working pressure of 6 Bar with a pressure drop of 0.5 Bar and simple shut-off.



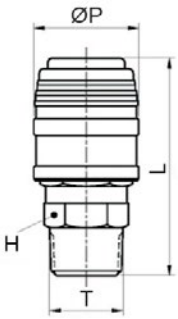
VIEW - QUICK COUPLING EUROFLUID



EUROFLUID-M

Male quick coupling BSPT thread





CODE	T	ØP	L	H
EUROFLUID-M1/4	R 1/4"	24,4	51,7	19
EUROFLUID-M1/4-PL	R 1/4"	24,4	51,7	19
EUROFLUID-M3/8	R 3/8"	24,4	52,7	19
EUROFLUID-M3/8-PL	R 3/8"	24,4	52,7	19
EUROFLUID-M1/2	R 1/2"	24,4	57,2	22
EUROFLUID-M1/2-PL	R 1/2"	24,4	57,2	22

Male quick coupling BSPP thread

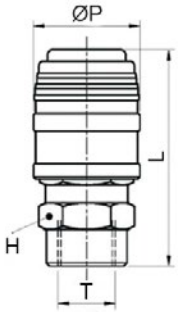
EUROFLUID-M1/4G	G 1/4"	24,4	50,2	21
EUROFLUID-M1/4G-PL	G 1/4"	24,4	50,2	21
EUROFLUID-M3/8G	G 3/8"	24,4	51,7	21
EUROFLUID-M3/8G-PL	G 3/8"	24,4	51,7	21
EUROFLUID-M1/2G	G 1/2"	24,4	54,7	24
EUROFLUID-M1/2G-PL	G 1/2"	24,4	54,7	24

-PL: Free Passage

EUROFLUID-H

Female quick coupling BSPP thread





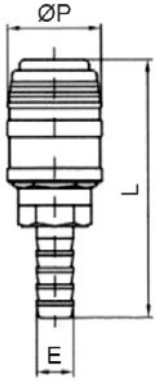
CODE	T	ØP	L	H
EUROFLUID-H1/4	G 1/4"	24,4	49,7	19
EUROFLUID-H1/4-PL	G 1/4"	24,4	49,7	19
EUROFLUID-H3/8	G 3/8"	24,4	51,2	22
EUROFLUID-H3/8-PL	G 3/8"	24,4	51,2	22
EUROFLUID-H1/2	G 1/2"	24,4	55,4	25
EUROFLUID-H1/2-PL	G 1/2"	24,4	55,4	25

-PL: Free Passage

EUROFLUID-E

Quick coupling with barb connector





CODE	E	ØP	L	H
EUROFLUID-E6	7,2	24,4	59,2	19
EUROFLUID-E6-PL	7,2	24,4	59,2	19
EUROFLUID-E8	9,2	24,4	59,2	19
EUROFLUID-E8-PL	9,2	24,4	59,2	19
EUROFLUID-E10	11,2	24,4	63,2	19
EUROFLUID-E10-PL	11,2	24,4	63,2	19
EUROFLUID-E12	13,2	24,4	68,2	19
EUROFLUID-E12-PL	13,2	24,4	68,2	19
EUROFLUID-E13	13,8	24,4	68,2	19
EUROFLUID-E13-PL	13,8	24,4	68,2	19

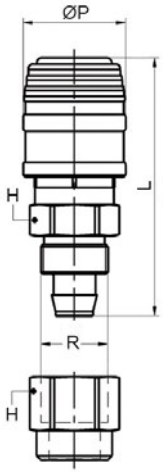
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

EUROFLUID-PM

Quick coupling with push-on connector





CODE	TUBE Ø	ØP	L	H
EUROFLUID-PM08	8x10	24,4	61,9	19
EUROFLUID-PM08-PL	8x10	24,4	61,9	19
EUROFLUID-PM10	10x15	24,4	66,7	22
EUROFLUID-PM10-PL	10x15	24,4	66,7	22

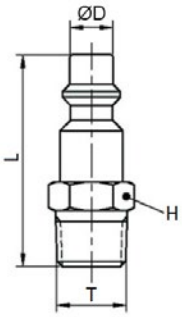
Recommended for use with PU-PVC tube on page 751

-PL: Free Passage

NE-10M

Male connection BSPT thread





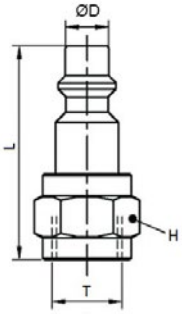
CODE	T	ØD	L	H
NE-10M	R 1/4"	8	40,0	14
NE-10M-3/8	R 3/8"	8	42,5	17
NE-10M-1/2	R 1/2"	8	46,0	22

NE-10M: Connection available in the FLUID-10N & FLUID-10S SERIES on page 569

NE-10H

Female connection BSPP thread





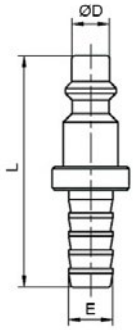
CODE	T	ØD	L	H
NE-10H	G 1/4"	8	40,0	17
NE-10H-3/8	G 3/8"	8	41,5	22
NE-10H-1/2	G 1/2"	8	44,0	25

NE-10H: Connection available in the FLUID-10N & FLUID-10S SERIES on page 569

NE-10E

Connection with barb connector





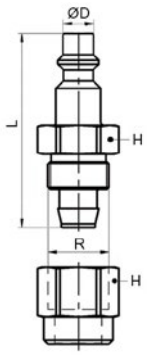
CODE	E	ØD	L
NE-10E-6	7,2	8	46,0
NE-10E-8	9,2	8	47,0
NE-10E-10	11,2	8	52,0
NE-10E-12	13,2	8	54,0

NE-10E: Connection available in the FLUID-10N & FLUID-10S SERIES on page 569

NE-10PM

Connection with push-on connector





CODE	TUBE Ø	R	ØD	L	H
NE-10PM-08	8x12	M16x1	8	50,7	19
NE-10PM-10	10x15	M20x1	8	55,5	22

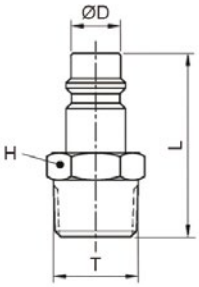
Recommended for use with PU-PVC tube on page 751

NE-10PM: Connection available in the FLUID-10N & FLUID-10S SERIES on page 569

AEU-75M

Male connection BSPT thread





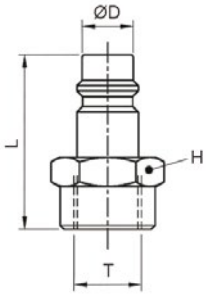
CODE	T	ØD	L	H
AEU-75M	R 1/4"	10	36,5	14
AEU-75M38	R 3/8"	10	37,0	17

AEU-75M: Connection available in the EUROSTANDARD SERIES on page 597

AEU-75H

Female connection BSPP thread





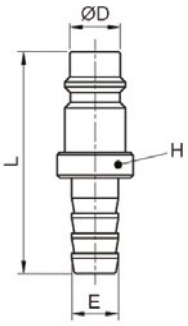
CODE	T	ØD	L	H
AEU-75H	G 1/4"	10	34,0	17
AEU-75H38	G 3/8"	10	34,5	20

AEU-75H: Connection available in the EUROSTANDARD SERIES on page 597

AEU-75E

Connection with barb connector





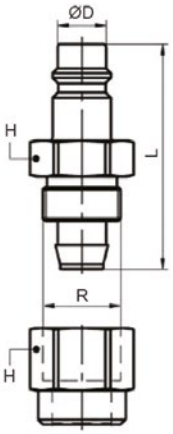
CODE	E	ØD	L	H
AEU-75E	9,2	10	44,0	15
AEU-75E10	11,2	10	48,0	15

AEU-75E: Connection available in the EUROSTANDARD SERIES on page 597

AEU-75PM

Connection with push-on connector





CODE	TUBE Ø	R	ØD	L	H
AEU-75PM08	8x12	M16x1	10	46,7	19
AEU-75PM10	10x15	M20x1	10	51,5	22

Recommended for use with PU-PVC tube on page 751

AEU-75PM: Connection available in the EUROSTANDARD SERIES on page 597





NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
Standard version: NBR

Working pressure:
200 Bar (max)

CRHL12 & CRHL12R:
Compressed air and fluids suitable with construction materials
CRHL12-303 & CRHL-303R:
Compressed air, water, industrial soaps, applications in oxidising or corrosive environments and fluids suitable with construction materials
CRHL12-316 & CRHL12-316R:
Compressed air, water, grease, oils, mild acids, applications in highly oxidising or corrosive environments and fluids suitable with construction materials

Parallel gas BSPP ISO 228
from G1/4" to G1/2"

NOMINAL DIAMETER

12,1 mm

CONFIGURATIONS

PL
Free
Passage

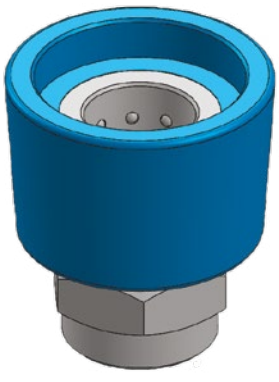
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

COMPONENTS	CRHL12 & CRHL12-R	CRHL12-303 & CRHL12-R-303	CRHL12-316 & CRHL12-R-316
Body	Brass	Stainless steel AISI 303	Stainless steel AISI 316
Slide	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316
Slide support	EPDM BLACK (CRHL12R)	EPDM BLACK (CRHL12-303R)	EPDM BLUE (CRHL12-316R)
Spring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Ball	Stainless steel AISI 316	Stainless steel AISI 316	Stainless steel AISI 316
Retaining ring	Stainless steel AISI 302	Stainless steel AISI 302	Stainless steel AISI 302
Seal	NBR - FKM	NBR - FKM	NBR - FKM

CONNECTION	ACRHL12	ACRHL12-303	ACRHL12-316
Body	Nickel-plated steel	Stainless steel AISI 303	Stainless steel AISI 316

VIEW - QUICK COUPLING CRHL12-R-H

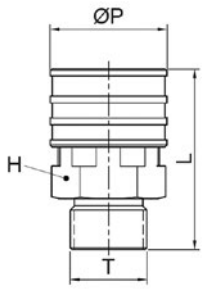


drawings and technical data are not binding & can be changed without notice

CRHL12-M

Male quick coupling BSPP thread





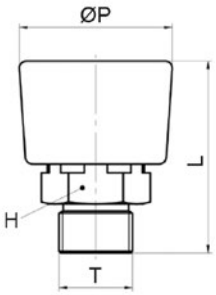
CODE	T	ØP	L	H
CRHL12-M12G-303	G 1/2"	32,0	49,6	27
CRHL12-M12G-316	G 1/2"	32,0	49,6	27

CRHL12-M
Supplied with NBR seal

CRHL12-R-M

Male quick coupling with rubber cover BSPP thread





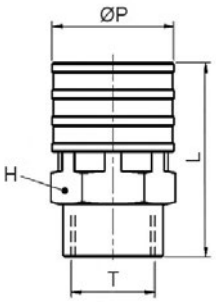
CODE	T	ØP	L	H
CRHL12-M12G-303R	G 1/2"	44,0	57,6	27
CRHL12-M12G-316R	G 1/2"	44,0	57,6	27

CRHL12-R-M
Supplied with NBR seal

CRHL12-H

Female quick coupling BSPP thread





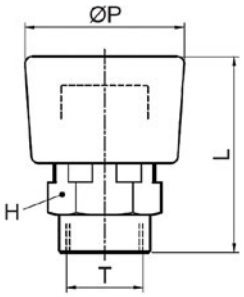
CODE	T	ØP	L	H
CRHL12-H38	G 3/8"	32,0	40,7	27
CRHL12-H38-303	G 3/8"	32,0	40,7	27
CRHL12-H38-316	G 3/8"	32,0	40,7	27
CRHL12-H12	G 1/2"	32,0	46,1	27
CRHL12-H12-303	G 1/2"	32,0	46,1	27
CRHL12-H12-316	G 1/2"	32,0	46,1	27

drawings and technical data are not binding & can be changed without notice

CRHL12-R-H

Female quick coupling with rubber cover BSPP thread



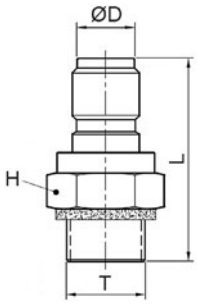


CODE	T	ØP	L	H
CRHL12-H38R	G 3/8"	44,0	48,7	27
CRHL12-H38-303R	G 3/8"	44,0	48,7	27
CRHL12-H38-316R	G 3/8"	44,0	48,7	27
CRHL12-H12R	G 1/2"	44,0	54,1	27
CRHL12-H12-303R	G 1/2"	44,0	54,1	27
CRHL12-H12-316R	G 1/2"	44,0	54,1	27

ACRHL12-M-C

Male connection BSPP thread with O-ring





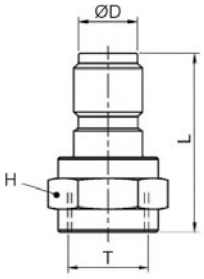
CODE	T	ØD	L	H
ACRHL12-M12G-303C	G 1/2"	15,3	54,0	27
ACRHL12-M12G-316C	G 1/2"	15,3	54,0	27

ACRHL12-M-C
Supplied with NBR seal

ACRHL12-H

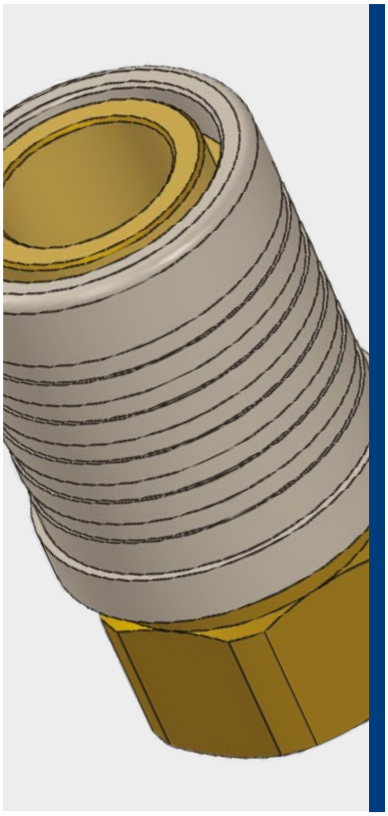
Female connection BSPP thread





CODE	T	ØD	L	H
ACRHL12-H14	G 1/4"	15,3	37,5	20
ACRHL12-H14-303	G 1/4"	15,3	37,5	22
ACRHL12-H38	G 3/8"	15,3	37,5	22
ACRHL12-H38-303	G 3/8"	15,3	37,5	22
ACRHL12-H38-316	G 3/8"	15,3	37,5	22
ACRHL12-H12	G 1/2"	15,3	44,5	27
ACRHL12-H12-303	G 1/2"	15,3	44,5	27
ACRHL12-H12-316	G 1/2"	15,3	44,5	27





NBR: -10°C ÷ 95°C
FKM: -20°C ÷ 205°C
Standard version: NBR

Working pressure:
35 Bar (max)

Compressed air, water for cooling systems, oils and fluids suitable with construction materials.
Mainly used for cooling injection moulds.

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G3/8"

NOMINAL DIAMETER

8,5 mm

FLOWRATE

1135 l/min

CONFIGURATIONS



PL
Free
Passage

SO
Single
Shutter

Products in compliance with EC Regulation 1907/2006

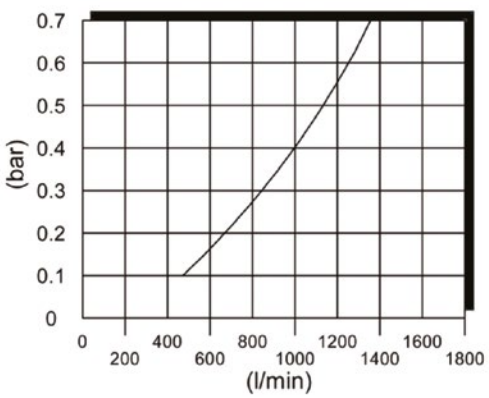
Products in compliance with the directive EU 2015/863

COMPONENTI	CRM-55
Body	Brass
Slide	Nickel-plated steel
Adapter	Brass
Valve	Brass
Spring	Stainless steel AISI 302
Ball	Stainless steel AISI 420
Retaining ring	Stainless steel AISI 302
Clip	Stainless steel AISI 304
Seal support	Brass
Seal	NBR - FKM

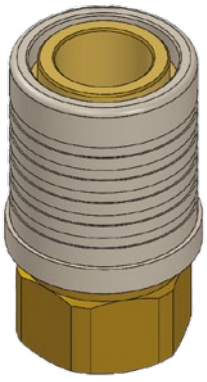
CONNECTION	ACRM-55-L	ACRM-55	ACRM-55-X
Body	Brass	Nickel-plated steel	Stainless steel AISI 303

FLOW CHART

Grafico realizzato tenendo conto di una pressione d'esercizio pari a 6 Bar con perdita di carico di 0,5 Bar e semplice intercettazione.



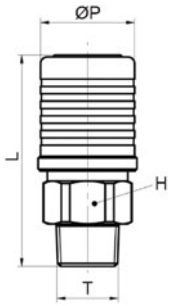
VIEW - QUICK COUPLING CRM-55-H



CRM-55-M

Male quick coupling BSPT thread





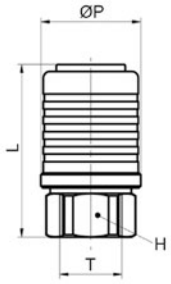
CODE	T	ØP	L	H
CRM-55-3/8-M	R 3/8"	25,5	57,6	22
CRM-55-3/8-PL-M	R 3/8"	25,5	57,6	22
CRM-55-1/2-M	R 1/2"	25,5	61,0	22
CRM-55-1/2-PL-M	R 1/2"	25,5	61,0	22

-PL: Free Passage

CRM-55-H

Female quick coupling BSPP thread





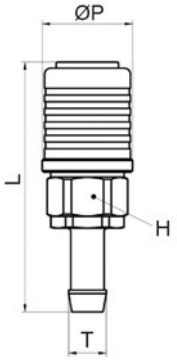
CODE	T	ØP	L	H
CRM-55-3/8	G 3/8"	25,5	46,0	22
CRM-55-3/8-PL	G 3/8"	25,5	46,0	22

-PL: Free Passage

CRM-55-E

Quick coupling with barb connector





CODE	E	ØP	L	H
CRM-55-E	11,2	25,5	74,5	22
CRM-55-PL-E	11,2	25,5	74,5	22

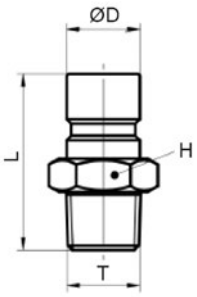
-PL: Free Passage

drawings and technical data are not binding & can be changed without notice

ACRM-55-M

Male connection BSPT thread





CODE	T	ØD	L	H
ACRM-55M1-L	R 1/8"	13,2	30,3	17
ACRM-55M1	R 1/8"	13,2	30,3	17
ACRM-55M-L	R 1/4"	13,2	31,8	17
ACRM-55M	R 1/4"	13,2	31,8	17
ACRM-55M-X	R 1/4"	13,2	31,8	17
ACRM-55M-3/8	R 3/8"	13,2	32,8	17

ACRM-55-H

Female connection BSPP thread



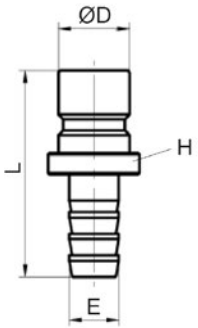


CODE	T	ØD	L	H
ACRM-55H1-L	G 1/8"	13,2	31,3	17
ACRM-55H1	G 1/8"	13,2	31,3	17
ACRM-55H-L	G 1/4"	13,2	31,3	17
ACRM-55H	G 1/4"	13,2	31,3	17
ACRM-55H-X	G 1/4"	13,2	31,3	17
ACRM-55H-3/8	G 3/8"	13,2	35,3	22

ACRM-55-E

Connection with barb connector

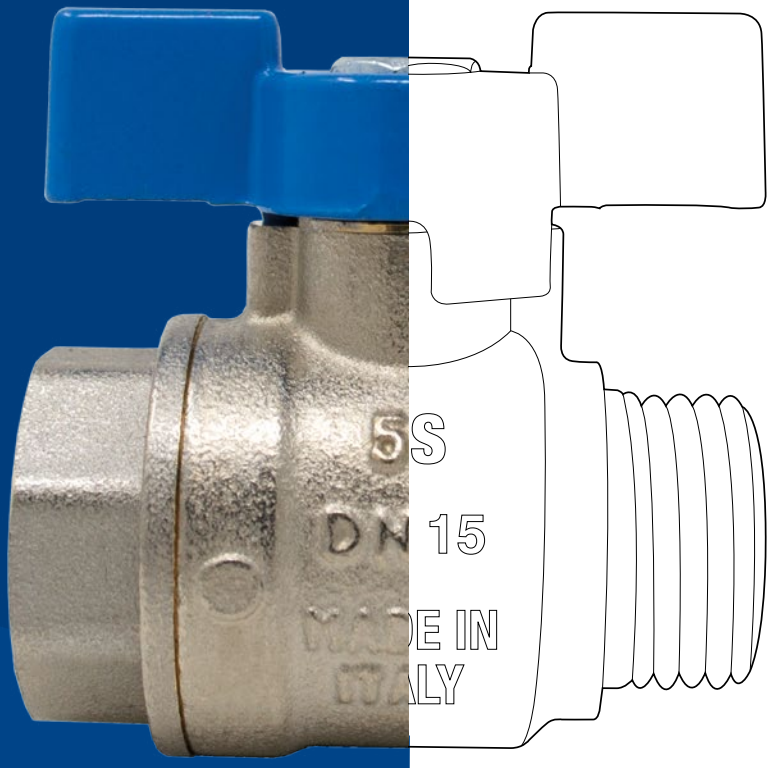




CODE	E	ØD	L	H
ACRM-55-E8	9,2	13,2	38,3	-



INDUSTRIAL VALVES



TECHNICAL INDEX



p. 657
INDUSTRIAL VALVES



p. 707
INDUSTRIAL VALVES - SOLENOID VALVES

INDUSTRIAL VALVES

PLUS

MADE WITH GASKET OF DIFFERENT MATERIALS TO INTERCEPT MANY TYPE OF FLUIDS

MANY POSSIBLE CONFIGURATIONS TO BE USED IN MULTIPLE APPLICATIONS

EXCELLENT PERFORMANCE WITH GOOD MECHANICAL RESISTANCE

WIDE RANGE OF BRASS AND STAINLESS STEEL, IN MICRO, MINI, UNIVERSAL, 2 AND 3 WAYS VERSIONS, FLANGED, WITH Y-FILTER AND WITH CONDENSATE DRAIN

INDUSTRIAL VALVES / BRASS BALL VALVES MINI - EUROPE SERIES



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INDUSTRIAL VALVES / BRASS BALL VALVES MINI SERIES



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INDUSTRIAL VALVES / BRASS BALL VALVES MICRO SERIES



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES FOR POTABLE WATER



p. 636 / **9203**



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES FOR GAS



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES - NPT THREAD



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES LOCKABLE SERIES



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES - STANDARD



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES HEAVY SERIES



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INDUSTRIAL VALVES / UNIVERSAL BRASS BALL VALVES HEAVY SERIES FOR HIGH TEMPERATURES



p. 650 / **9210HS**

INDUSTRIAL VALVES / BRASS BALL VALVES - THREE-WAYS



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES MINI SERIES



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES - FULL BORE



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES - THREE PIECES FULL BORE



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES - THREE-WAYS REDUCED BORE



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES - FLANGED PN 16



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INDUSTRIAL VALVES / STAINLESS STEEL AISI 316 BALL VALVES - IMPURITY COLLECTOR



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INDUSTRIAL VALVES / SAFETY VALVES



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INDUSTRIAL VALVES / BRASS BALL VALVES - CONDENSED DRAIN



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TierreGroup®
Always a fittings solution

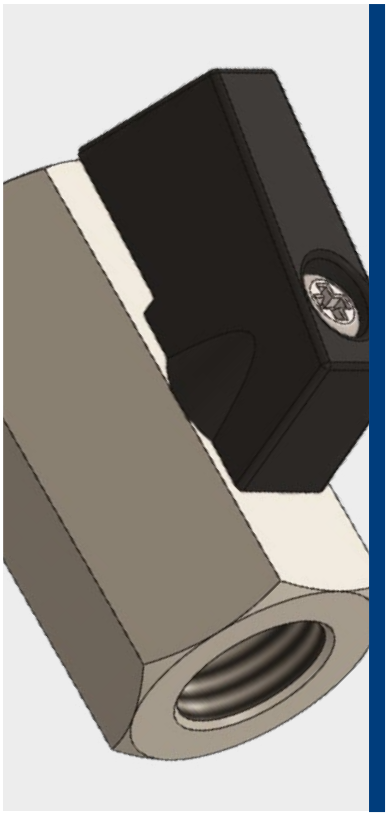




Serie XVR in acciaio inox.
Naturalmente resistente.

TierreGroup®
Always a fitting solution

FOLLOW US!



-10°C ÷ 90°C

Working pressure:
from 0 to 10 Bar (at 90°C)

Compressed air and fluids suitable with construction materials

Parallel gas BSPP ISO 228
from G1/8" to G3/4"

LEVER ROTATION
90° lever rotation

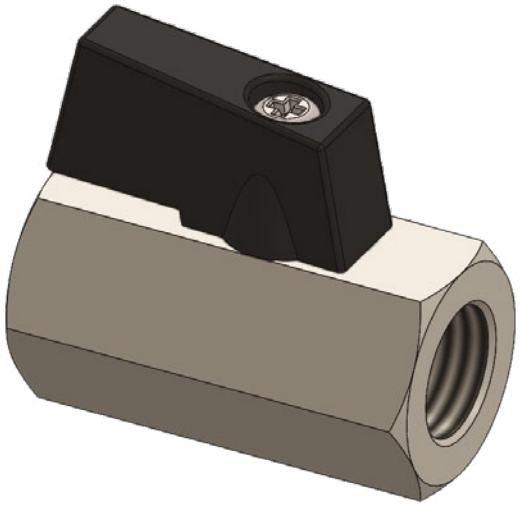
Body:
9110 & 9120: Chromed brass
CW614 UNI-EN 12164
9130: Nickel-plated brass
CW614 UNI-EN 12164
Stem: Brass
CW614 UNI-EN 12164
Nut: Brass
CW614 UNI-EN 12164
Ball: Nickel-plated brass
CW614 UNI-EN 12164
Ball seals: PTFE (Teflon)
Stem sealing ring: NBR 70
Lever: Glass fiber-charged nylon 66

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

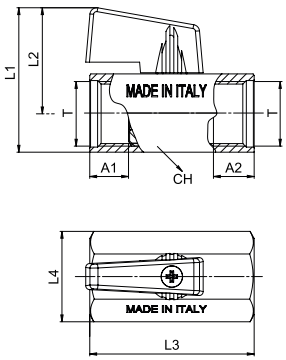
AVAILABILITY
- Aluminium lever on request
- Stem sealing ring in FKM (Viton) or EPDM on request

VIEW - VALVE 9110



9110 Female mini ball valve BSPP thread

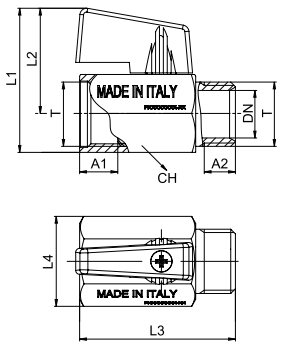




CODE	T	A1	A2	L1	L2	L3	L4	CH
9110TR18	G 1/8"	8,5	7,5	37,0	27,0	39,0	23,0	20
9110TR14	G 1/4"	7,5	9,0	37,0	27,0	39,0	23,0	20
9110TR38	G 3/8"	10,0	10,0	37,0	27,0	42,0	23,0	20
9110TR12	G 1/2"	11,7	10,0	41,0	29,0	47,0	28,0	24
9110TR34	G 3/4"	12,0	11,0	47,0	32,0	54,0	35,0	30

9120 M/F mini ball valve BSPP thread

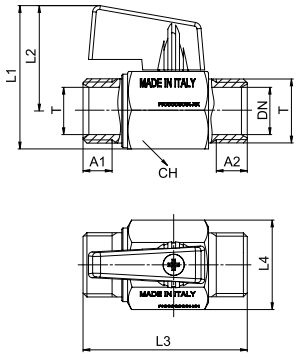




CODE	T	DN	A1	A2	L1	L2	L3	L4	CH
9120TR18	G 1/8"	6	8,5	6,0	37,0	27,0	39,0	23,0	20
9120TR14	G 1/4"	8,2	9,0	8,0	37,0	27,0	39,0	23,0	20
9120TR38	G 3/8"	12,2	10,0	8,0	37,0	27,0	40,0	23,0	20
9120TR12	G 1/2"	15,2	12,0	10,0	41,0	29,0	45,0	27,0	24
9120TR34	G 3/4"	18,2	12,0	12,0	47,0	32,0	51,0	35,0	30

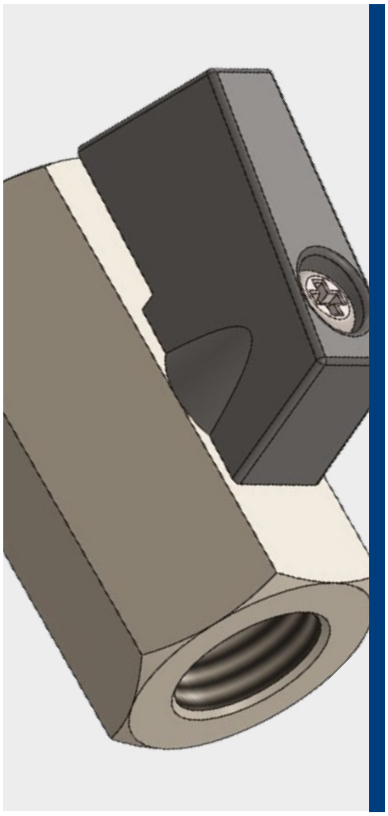
9130 Male mini ball valve BSPP thread





CODE	T	DN	A1	A2	L1	L2	L3	L4	CH
9130TR14	G 1/4"	8,2	7,0	7,0	37,0	27,0	40,4	23,0	20
9130TR38	G 3/8"	12,2	7,5	8,0	37,0	27,0	42,4	23,0	20
9130TR12	G 1/2"	15,2	9,0	9,0	41,4	29,4	49,7	27,0	24

drawings and technical data are not binding & can be changed without notice



-10°C ÷ 90°C

Working pressure:
from 0 to 10 Bar (at 90°C)

Compressed air and fluids suitable with construction materials

Parallel gas BSPP ISO 228
from G1/8" to G1/2"

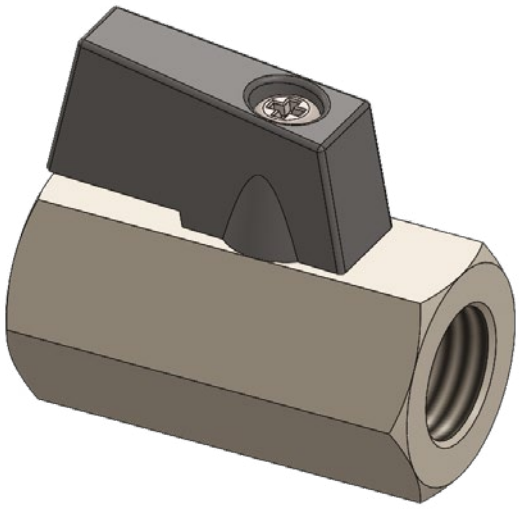
LEVER ROTATION
90° lever rotation

Body: Nickel-plated brass
Stem: Nickel-plated brass
Nut: Nickel-plated brass
Ball: Nickel-plated brass
Lever: Aluminium
Ball seals: PTFE (Teflon)
Stem sealing ring: NBR

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

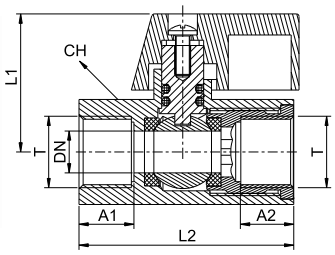
VIEW - VALVE 9110-F



9110-F

Female mini ball valve BSPP thread



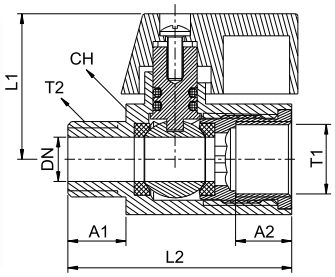


CODE	T	DN	A1	A2	L1	L2	CH
9110TR18-F	G 1/8"	6	9,5	9,5	26,0	40,0	20
9110TR14-F	G 1/4"	8	10,0	10,0	26,0	41,0	20
9110TR38-F	G 3/8"	8	10,0	9,0	26,0	40,5	20
9110TR12-F	G 1/2"	10	10,0	9,0	28,0	45,5	23,8

9120-F

M/F mini ball valve BSPP thread





CODE	T1	T2	DN	A1	A2	L1	L2	CH
9120TR18-F	G 1/8"	G 1/8"	6	10,0	10,0	26,0	40,5	20
9120TR14-F	G 1/4"	G 1/4"	8	10,0	10,0	26,0	40,5	20
9120TR38-F	G 3/8"	G 3/8"	8	10,0	9,0	26,0	41,0	20
9120TR12-F	G 1/2"	G 1/2"	10	10,0	9,0	28,0	46,0	23,8



-5°C ÷ 70°C

Working pressure:
20 Bar

Compressed air, lubricated compressed air, gases and fluids suitable with construction materials

- Taper gas BSPT ISO 7 from R1/8" to R1/2"
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"

LEVER OPERATION

It is closed and opened by turning the lever by 1/4 turn to the end of the stroke.

Body: Nickel-plated brass CW617W UNI-EN 12164
Stem: Nickel-plated brass CW614N UNI-EN 12164
Nut: Nickel-plated brass CW614N UNI-EN 12164
Ball: Nickel-plated brass CW614N UNI-EN 12164
Ball seals: PTFE (Teflon)
Stem sealing ring: NBR 70
Lever: Nylon 66
Cap on lever: Nylon 66 (black)

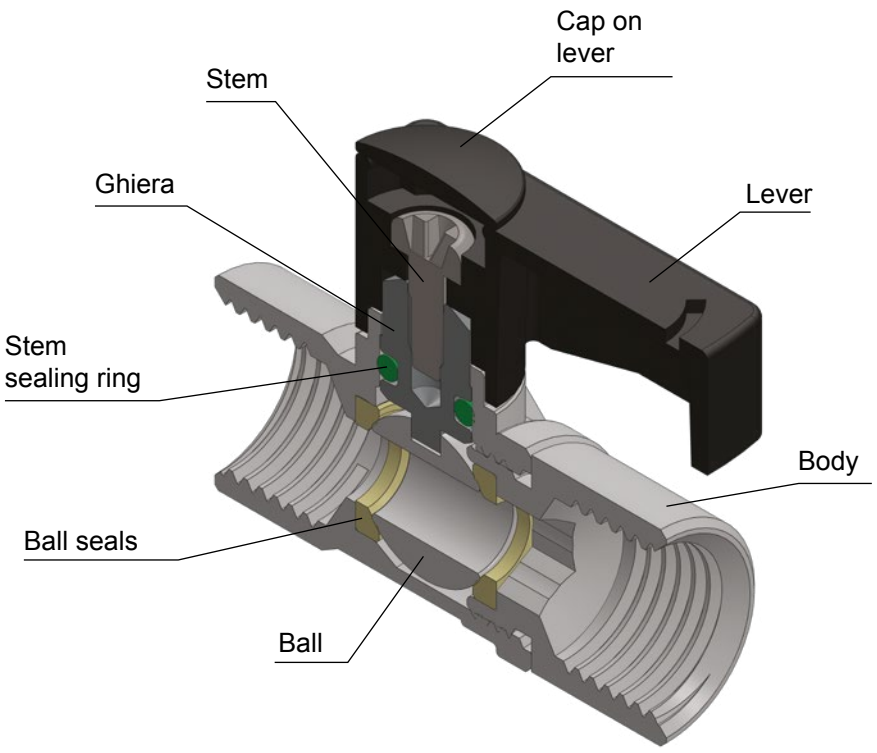
AVAILABILITY

- Cap on lever available in red, blue, yellow, green and orange colours.

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

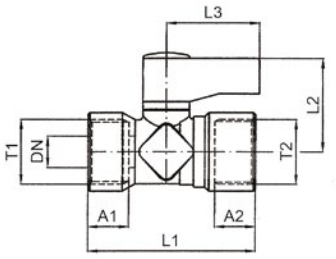
CONSTRUCTION DETAILS



9142

Female micro ball valve BSPP thread



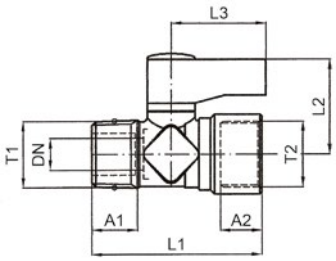


CODE	T1	T2	DN	A1	A2	L1	L2	L3
9142TR18	G 1/8"	G 1/8"	6	8,0	8,0	34,0	23,0	24,0
9142TR14	G 1/4"	G 1/4"	6	9,5	9,5	38,0	23,0	24,0
9142TR38	G 3/8"	G 3/8"	8	10,5	10,5	43,0	24,0	24,0
9142TR12	G 1/2"	G 1/2"	10	12,0	12,0	49,0	27,0	34,0

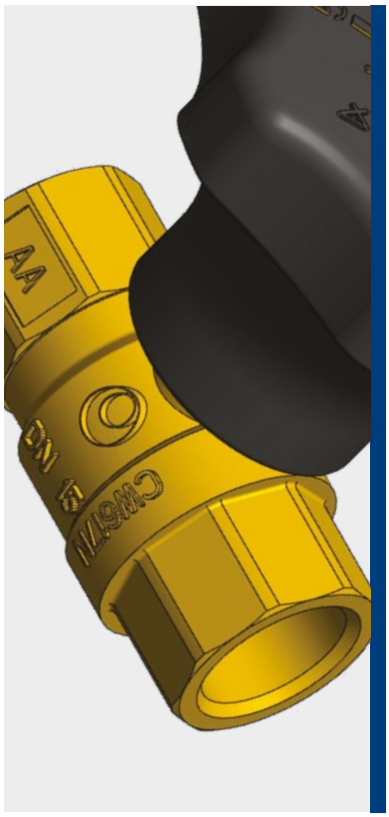
9162

Micro ball valve, male BSPT & female BSPP threads





CODE	T1	T2	DN	A1	A2	L1	L2	L3
9162TR18	R 1/8"	G 1/8"	6	7,0	8,0	33,0	23,0	24,0
9162TR14	R 1/4"	G 1/4"	6	8,0	9,5	35,0	23,0	24,0
9162TR38	R 3/8"	G 3/8"	8	9,0	10,5	40,0	24,0	24,0
9162TR12	R 1/2"	G 1/2"	10	10,0	12,0	49,0	27,0	34,0



-20°C ÷ 110°C (general use)
0°C ÷ 90°C (potable water)

Working pressure (9203):
10 Bar
Working pressure (9204):
50 Bar (from 3/8" to 3/4")
40 Bar (from 1" to 1-1/4")
32 Bar (from 1-1/2" to 2")
25 Bar (2-1/2")

Potable water and fluids suitable with construction materials

Parallel gas BSPP
EN 10226-1
from G1/4" to G2-1/2"

FEATURES

The type of sphere used avoids pooling of water in the valve. This prevents bacteria, possibly contained in the water, from remaining into the system for an extended period of time unlike normal valves.
Valves 9203 and 9204 are also anti-freeze thanks again to the type of sphere used. This technology allows the valve body – sphere – tubing to be kept in communication at all times, preventing the water from freezing, which would cause an increase in pressure on the valve body and causing it break.

ACS

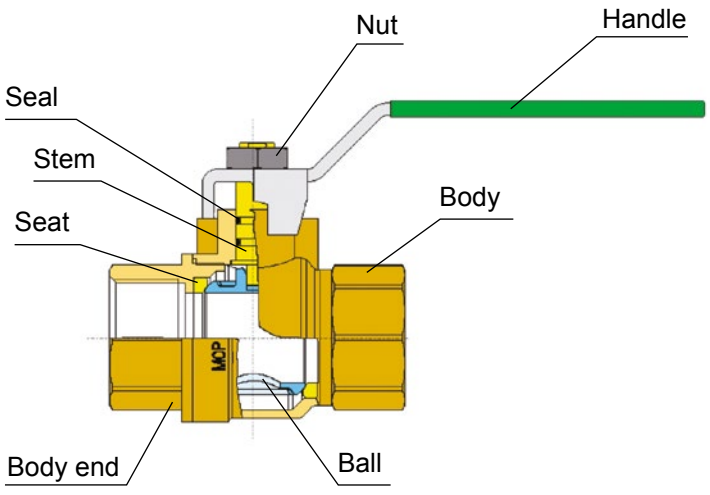
Product approved by DVGW

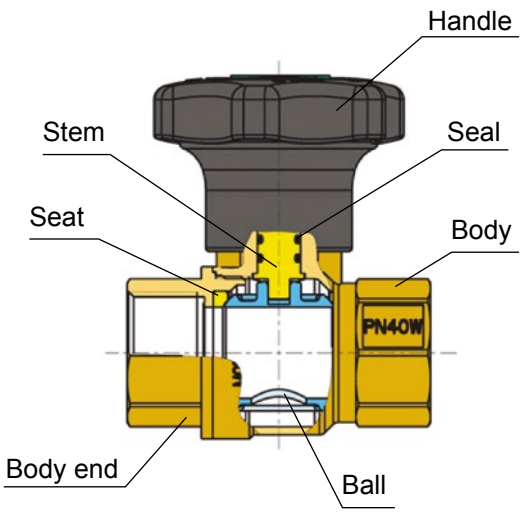
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

COMPONENTS	9203	9204
Body	Brass CW617N-DW UNI EN 12165	Brass CW617N UNI EN 12165/98
Body end	Brass CW617N-DW UNI EN 12165	Brass CW617N UNI EN 12165/98
Seat	PTFE	PTFE
Ball	Chromed brass CW617N-DW UNI EN 12165	Chromed brass CW617N UNI EN 12165/98
Stem (anti blow-out)	Brass CW614N UNI EN12164/98	Brass CW614N UNI EN12164/98
Seal	EPDM - HNBR	EPDM - HNBR
Handle	Steel with PVC coating	Nylon
Nut	Zinc-plated steel	/

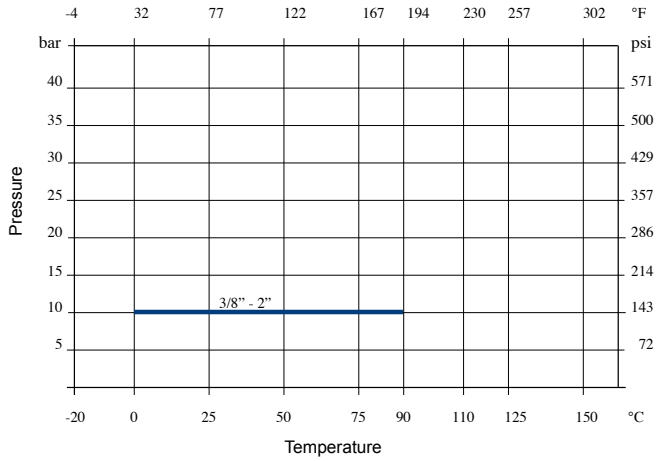
CONSTRUCTION DETAILS



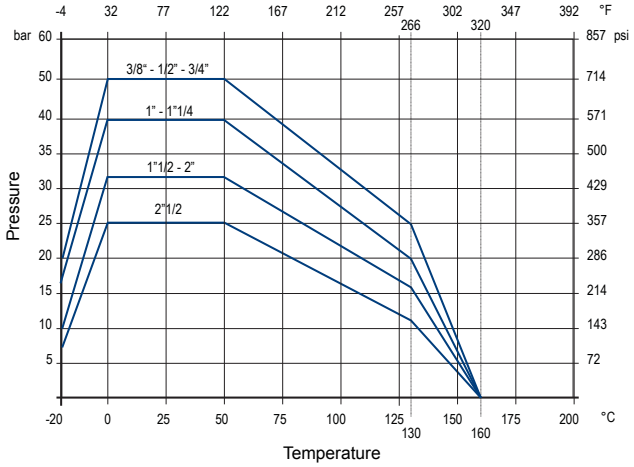


drawings and technical data are not binding & can be changed without notice

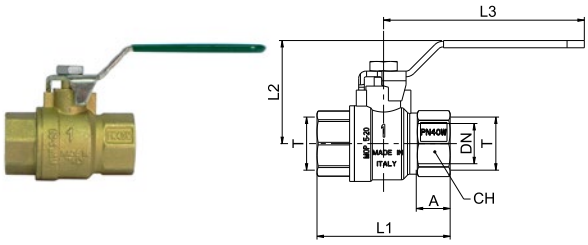
PRESSURE-TEMPERATURE CHART
9203



PRESSURE-TEMPERATURE CHART
9204

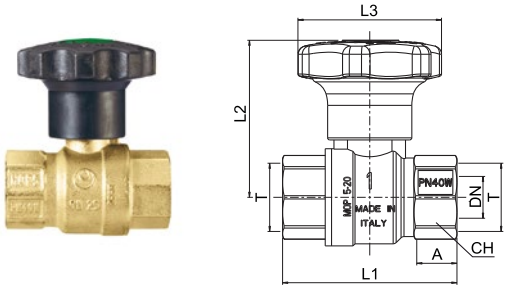


9203
Universal full bore ball valve, female BSPP thread, green lever



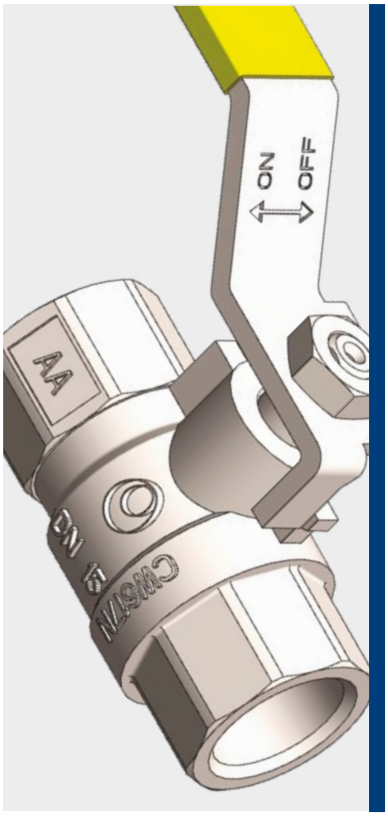
CODE	T	DN	A	L1	L2	L3	CH
9203TR38	G 3/8"	10	12,0	45,0	40,0	80,0	21
9203TR12	G 1/2"	15	17,0	63,0	52,0	90,0	26
9203TR34	G 3/4"	20	19,5	71,0	55,0	90,0	31
9203TR1	G 1"	25	21,0	83,0	64,0	125,0	38
9203TR114	G 1-1/4"	32	22,0	92,0	69,0	125,0	48
9203TR112	G 1-1/2"	40	23,5	104,0	78,0	140,0	55
9203TR2	G 2"	50	28,0	124,0	85,0	140,0	68

9204
Universal full bore ball valve with gear, female BSPP thread



CODE	T	DN	A	L1	L2	L3	CH
9204TR14	G 1/4"	10	12,0	45,0	59,0	70,0	21
9204TR38	G 3/8"	10	12,0	45,0	59,0	70,0	21
9204TR12	G 1/2"	15	17,0	63,0	65,0	70,0	26
9204TR34	G 3/4"	20	19,5	71,0	68,0	70,0	31
9204TR1	G 1"	25	21,0	83,0	76,0	70,0	38
9204TR114	G 1-1/4"	32	22,0	92,0	81,0	70,0	48
9204TR112	G 1-1/2"	40	23,5	104,0	105,0	112,0	55
9204TR2	G 2"	50	28,0	124,0	112,0	112,0	68
9204TR212	G 2-1/2"	60	28,0	140,0	162,0	112,0	85

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 60°C

Working pressure:
20 Bar

Medium and low pressure gas and hydrocarbons

Parallel gas BSPP
UNI ISO 7/1 Rp
from G1/4" to G2"

FEATURES

The 9208 Series are approved for medium and low pressure gas distribution plants and for hydrocarbons.

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem (anti blow-out): Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: NBR
Handle: Steel
Nut: Steel

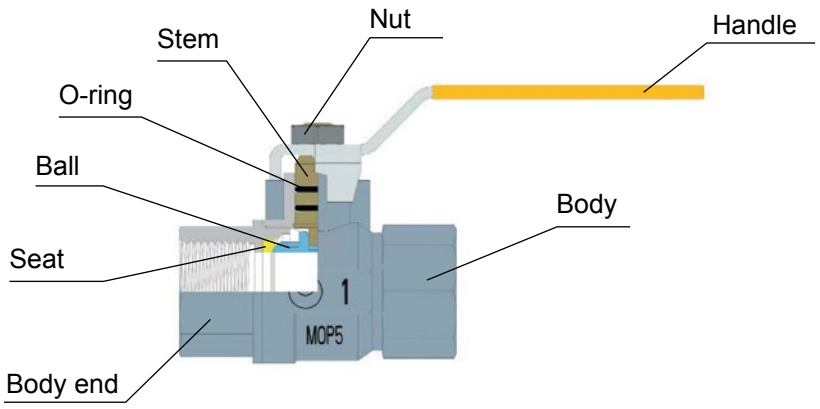
Product approved by DVGW

Product approved by SVGW SSIGE

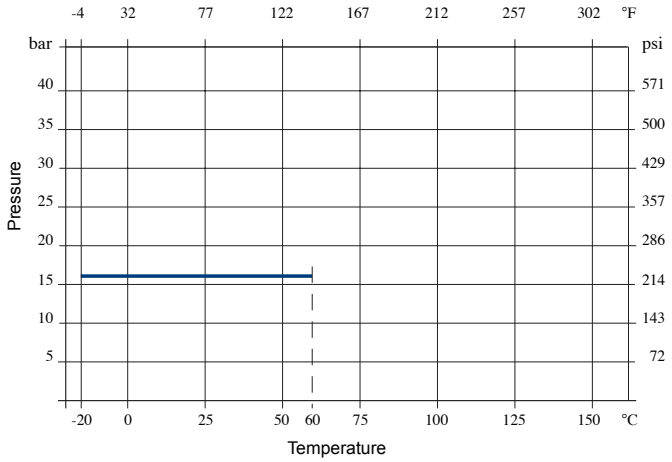
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



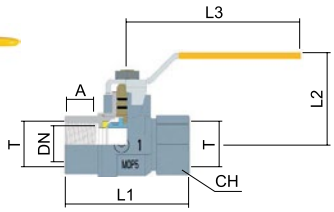
PRESSURE-TEMPERATURE CHART



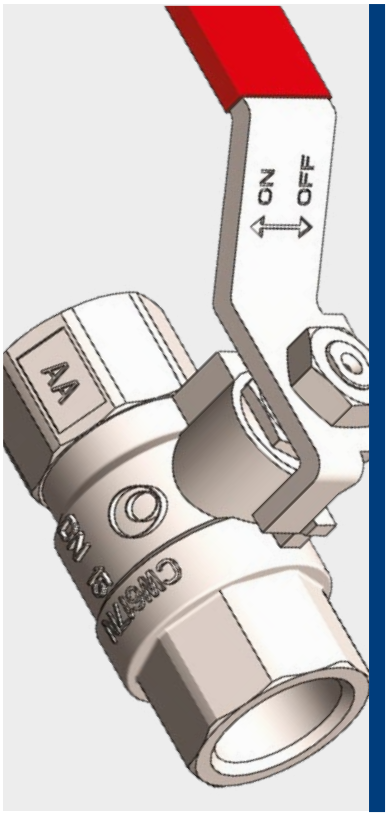
drawings and technical data are not binding & can be changed without notice

9208 Universal full bore ball valve for gas, female BSPP thread, yellow lever





CODE	T	DN	A	L1	L2	L3	CH
9208TR14	G 1/4"	10	10	45,0	41,0	80,0	21
9208TR38	G 3/8"	10	10	45,0	41,0	80,0	21
9208TR12	G 1/2"	15	15	63,0	54,0	90,0	26
9208TR34	G 3/4"	20	16	71,0	58,0	90,0	31
9208TR1	G 1"	25	19	83,0	66,0	125,0	38
9208TR114	G 1-1/4"	32	21	92,0	71,0	125,0	48
9208TR112	G 1-1/2"	40	21	104,0	80,0	140,0	55
9208TR2	G 2"	50	26	124,0	88,0	140,0	68



-29°C ÷ 150°C

Working pressure:
40 Bar (from 1/4" to 1")
32 Bar (from 1-1/4" to 2")
25 Bar (from 2-1/2" to 4")

Hydraulic, sanitary, compressed air industries, hydrocarbons and fluids suitable with construction materials

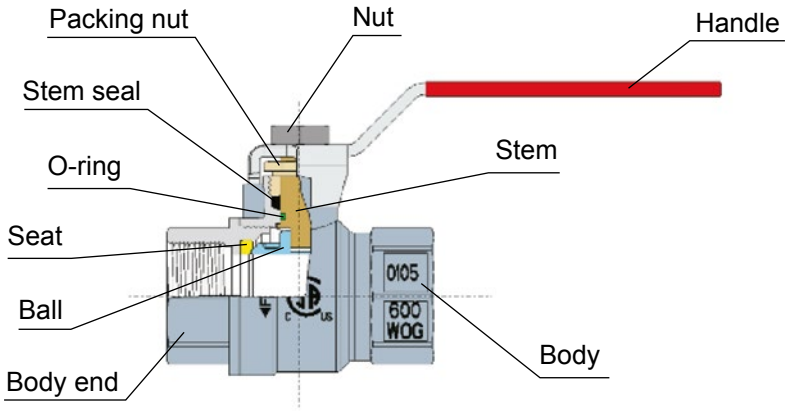
NPT ANSI B.1.20.1
from N1/4" to N4"

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem: Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: FP (fluor carbon rubber)
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: PTFE
Packing nut: Brass CW614N UNI EN 12164/98

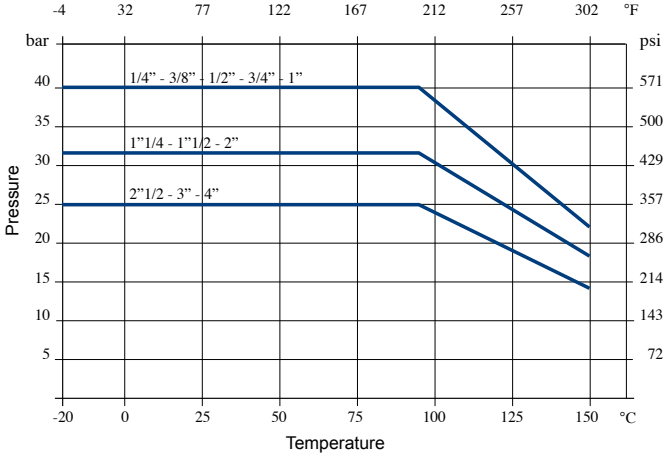
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



PRESSURE-TEMPERATURE CHART

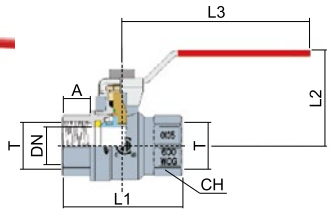


drawings and technical data are not binding & can be changed without notice

9212

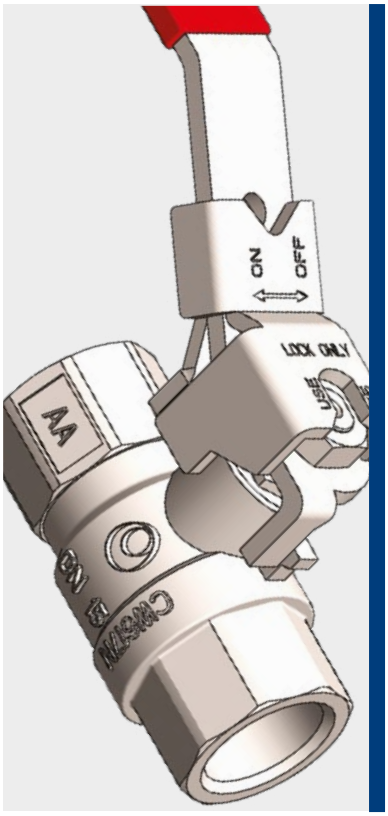
Universal full bore ball valve, female NPT thread, red lever





CODE	T	DN	A	L1	L2	L3	CH
9212TR14	N 1/4"	10	12	45,0	41,0	80,0	21
9212TR38	N 3/8"	10	12	45,0	41,0	80,0	21
9212TR12	N 1/2"	15	16	60,0	54,0	90,0	26
9212TR34	N 3/4"	20	17	67,0	58,0	90,0	31
9212TR1	N 1"	25	19,5	80,0	66,0	125,0	38
9212TR114	N 1-1/4"	32	21	89,0	71,0	125,0	48
9212TR112	N 1-1/2"	40	21	98,0	80,0	140,0	55
9212TR2	N 2"	50	22	112,0	88,0	140,0	68
9212TR212	N 2-1/2"	61	27,5	140,0	131,0	250,0	85
9212TR3	N 3"	74	30,5	159,0	140,0	250,0	99
9212TR4	N 4"	95	38	196,0	156,0	250,0	125

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 160°C

Working pressure:
50 Bar (from 1/4" to 3/4")
40 Bar (from 1" to 1-1/4")
32 Bar (from 1-1/2" to 2")

Compressed air, hydrothermal systems and fluids suitable with construction materials

Parallel gas BSPP ISO 228-1 from G1/4" to G2"

AVAILABILITY

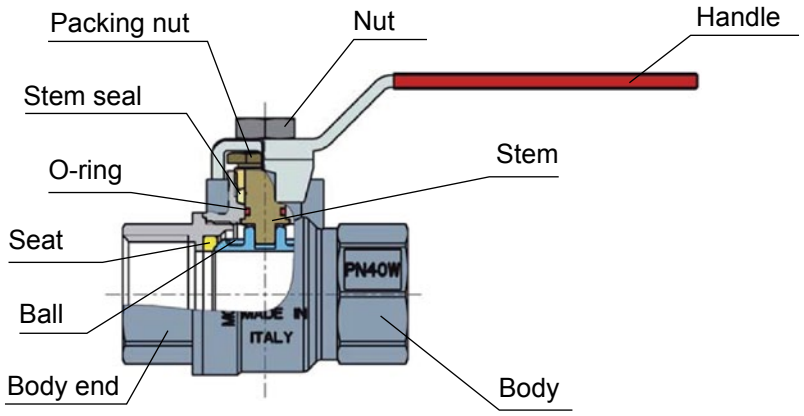
Ball available in stainless steel AISI 304 on request

FEATURES

The anti blow-out system, found in the 9214 Series universal ball valves, guarantees greater protection against the accidental release of the stem and its sealing system.

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem (anti blow-out): Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: FKM
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: PTFE
Packing nut: Brass CW614N UNI EN 12164/98

CONSTRUCTION DETAILS



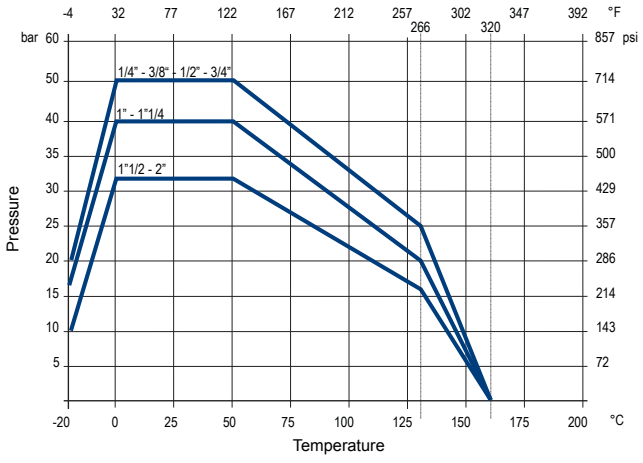
WRAS approved product

ACS approved product

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

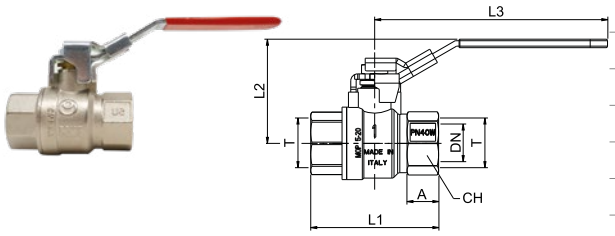
PRESSURE-TEMPERATURE CHART



drawings and technical data are not binding & can be changed without notice

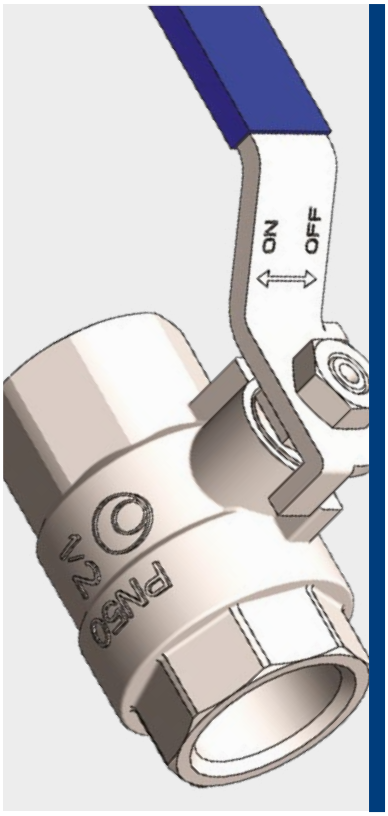
9214

Universal full bore lockable ball valve, female BSPP thread, red lever



CODE	T	DN	A	L1	L2	L3	CH
9214TR14	G 1/4"	10	12	45,0	43,0	95,0	21
9214TR38	G 3/8"	10	12	45,0	44,0	95,0	21
9214TR12	G 1/2"	15	17	63,0	56,0	120,0	26
9214TR34	G 3/4"	20	19,5	71,0	60,0	120,0	31
9214TR1	G 1"	25	21	83,0	68,0	150,0	38
9214TR114	G 1-1/4"	32	22	92,0	73,0	150,0	48
9214TR112	G 1-1/2"	40	23,5	104,0	87,0	160,0	55
9214TR2	G 2"	50	28	124,0	94,0	160,0	68

drawings and technical data are not binding & can be changed without notice



-20°C ÷ 150°C

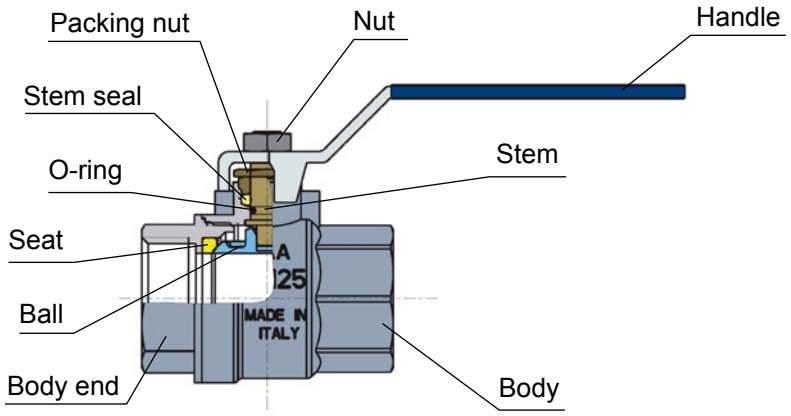
Working pressure:
50 Bar (from 1/4" to 3/4")
40 Bar (from 1" to 1-1/4")
32 Bar (from 1-1/2" to 2")
16 Bar (from 2-1/2" to 4")

Compressed air, hydraulic, sanitary and fluids suitable with construction materials

Parallel gas BSPP ISO 228-1 from G1/4" to G4"

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem (anti blow-out): Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: NBR
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: PTFE
Packing nut: Brass CW614N UNI EN 12164/98

CONSTRUCTION DETAILS



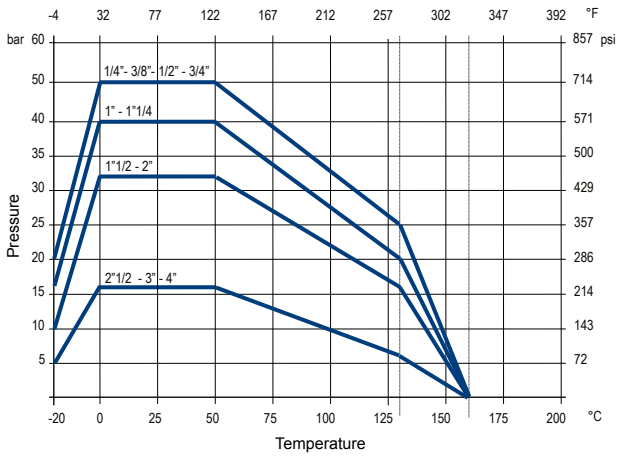
WRAS approved product

ACS approved product

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

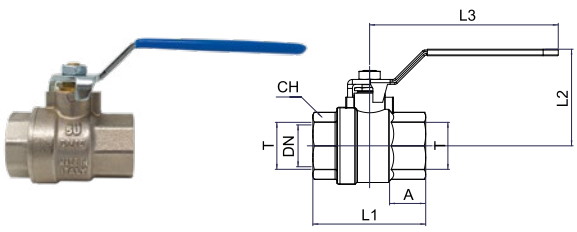
PRESSURE-TEMPERATURE CHART



drawings and technical data are not binding & can be changed without notice

9210

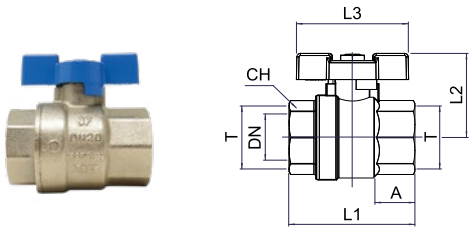
Universal full bore ball valve, female BSPP thread, blue lever



CODE	T	DN	A	L1	L2	L3	CH
9210TR14	G 1/4"	10	9,5	42,0	40,0	80,0	17
9210TR38	G 3/8"	10	10,5	44,0	40,0	80,0	20
9210TR12	G 1/2"	15	11	50,0	43,0	92,0	25
9210TR34	G 3/4"	20	13	57,0	47,0	92,0	31
9210TR1	G 1"	25	15	70,0	59,0	115,0	38
9210TR114	G 1-1/4"	32	17	80,0	64,0	115,0	47
9210TR112	G 1-1/2"	40	18	90,0	75,0	150,0	54
9210TR2	G 2"	50	20	107,0	82,0	150,0	66
9210TR212	G 2-1/2"	60	22	132,0	108,0	200,0	84
9210TR3	G 3"	74	26	151,0	117,0	250,0	96
9210TR4	G 4"	94	30	179,0	154,0	250,0	123

9240

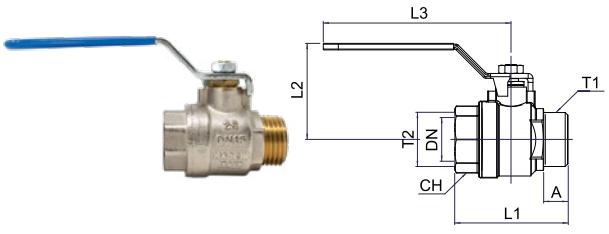
Universal full bore ball valve, female BSPP thread, blue butterfly lever



CODE	T	DN	A	L1	L2	L3	CH
9240TR14	G 1/4"	10	9,5	42,0	33,0	50,0	17
9240TR38	G 3/8"	10	10,5	44,0	33,0	50,0	20
9240TR12	G 1/2"	15	11	50,0	37,0	50,0	25
9240TR34	G 3/4"	20	13	57,0	40,0	50,0	31
9240TR1	G 1"	25	15	70,0	47,0	61,0	38
9240TR114	G 1-1/4"	32	17	80,0	52,0	61,0	47

9220

Universal full bore ball valve, M/F BSPP thread, blue lever

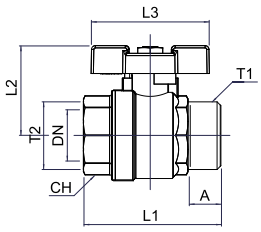


CODE	T1	T2	DN	A	L1	L2	L3	CH
9220TR14	G 1/4"	G 1/4"	10	10	43,5	40,0	80,0	17
9220TR38	G 3/8"	G 3/8"	10	10	45,0	40,0	80,0	20
9220TR12	G 1/2"	G 1/2"	15	10,5	50,0	43,0	92,0	25
9220TR34	G 3/4"	G 3/4"	20	13	58,0	47,0	92,0	31
9220TR1	G 1"	G 1"	25	15	70,0	59,0	115,0	38
9220TR114	G 1-1/4"	G 1-1/4"	32	17	81,0	64,0	115,0	47
9220TR112	G 1-1/2"	G 1-1/2"	40	18	91,0	75,0	150,0	54
9220TR2	G 2"	G 2"	50	20	107,0	82,0	150,0	66

9250

Universal full bore ball valve, M/F BSPP thread, blue butterfly lever



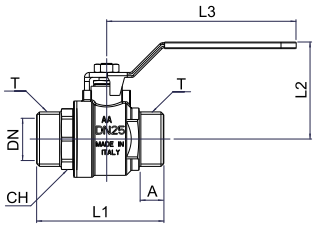


CODE	T1	T2	DN	A	L1	L2	L3	CH
9250TR14	G 1/4"	G 1/4"	10	10	43,5	40,0	50,0	17
9250TR38	G 3/8"	G 3/8"	10	10	45,0	40,0	50,0	20
9250TR12	G 1/2"	G 1/2"	15	10,5	50,0	43,0	50,0	25
9250TR34	G 3/4"	G 3/4"	20	13	58,0	47,0	50,0	31
9250TR1	G 1"	G 1"	25	15	70,0	59,0	61,0	38
9250TR114	G 1-1/4"	G 1-1/4"	32	17	81,0	64,0	61,0	47

9230

Universal full bore ball valve, male BSPP thread, blue lever



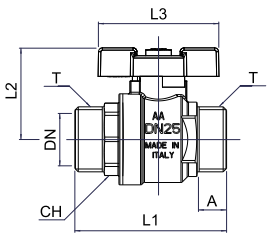


CODE	T	DN	A	L1	L2	L3	CH
9230TR14	G 1/4"	10	10	52,0	40,0	80,0	18
9230TR38	G 3/8"	10	10	52,0	40,0	80,0	18
9230TR12	G 1/2"	15	10,5	58,0	43,0	92,0	18
9230TR34	G 3/4"	20	13	66,0	47,0	92,0	28
9230TR1	G 1"	25	15	78,0	59,0	115,0	37
9230TR114	G 1-1/4"	32	17	91,0	64,0	115,0	44
9230TR112	G 1-1/2"	40	18	102,0	75,0	150,0	49
9230TR2	G 2"	50	20	118,0	82,0	150,0	63

9260

Universal full bore ball valve, male BSPP thread, blue butterfly lever





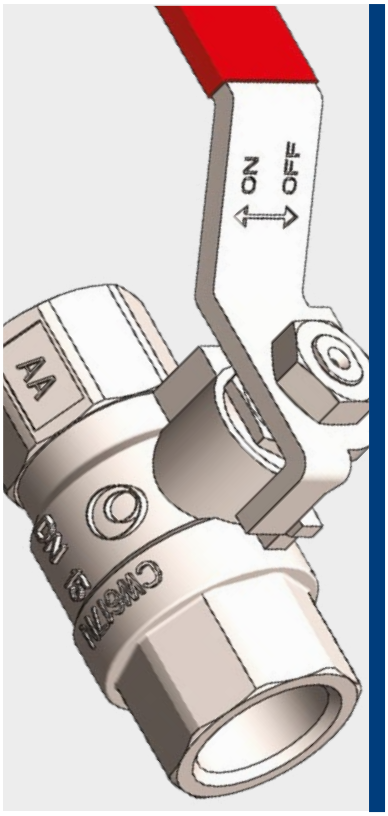
CODE	T	DN	A	L1	L2	L3	CH
9260TR14	G 1/4"	10	10	52,0	40,0	50,0	18
9260TR38	G 3/8"	10	10	52,0	40,0	50,0	18
9260TR12	G 1/2"	15	10,5	58,0	43,0	50,0	18
9260TR34	G 3/4"	20	13	66,0	47,0	50,0	28
9260TR1	G 1"	25	15	78,0	59,0	61,0	37
9260TR114	G 1-1/4"	32	17	91,0	64,0	61,0	44

TierreGroup®

Always a fittings solution



FOLLOW US!



-20°C ÷ 160°C

Working pressure:
50 Bar (from 1/4" to 3/4")
40 Bar (from 1" to 1-1/4")
32 Bar (from 1-1/2" to 2")
25 Bar (from 2-1/2" to 4")

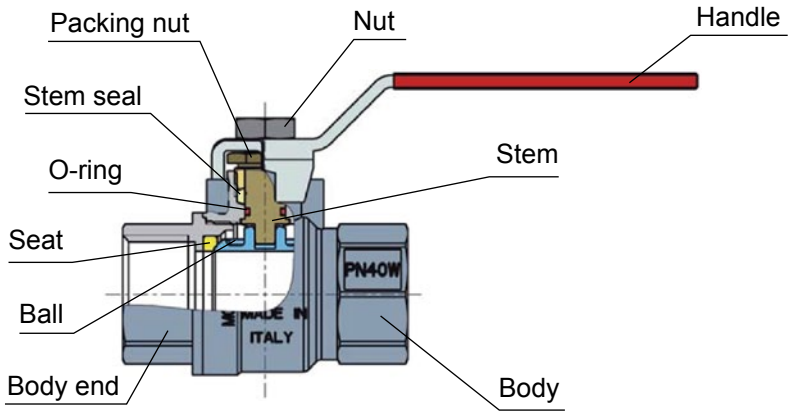
Compressed air, hydrothermal systems and fluids suitable with construction materials

Parallel gas BSPP ISO 228-1 from G1/4" to G4"

AVAILABILITY
Ball available in stainless steel AISI 304 on request

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem (anti blow-out): Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: FKM
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: PTFE
Packing nut: Brass CW614N UNI EN 12164/98

CONSTRUCTION DETAILS



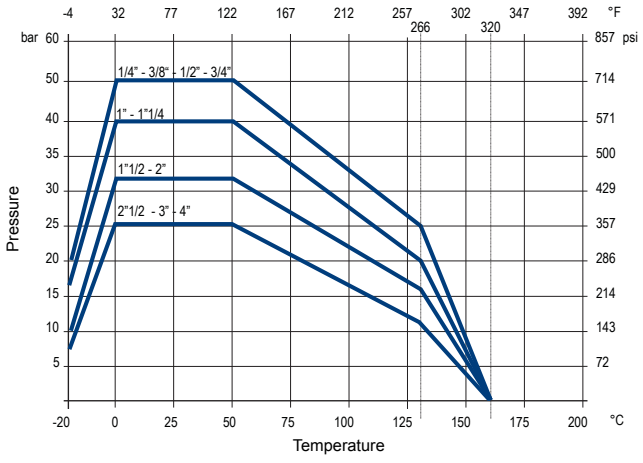
WRAS approved product

ACS approved product

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

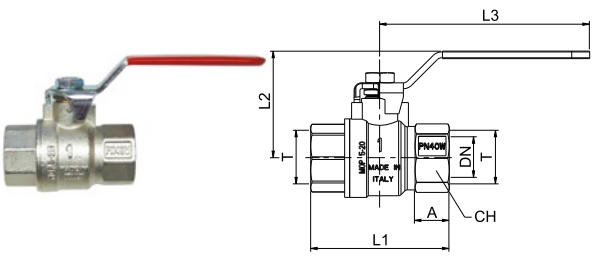
PRESSURE-TEMPERATURE CHART



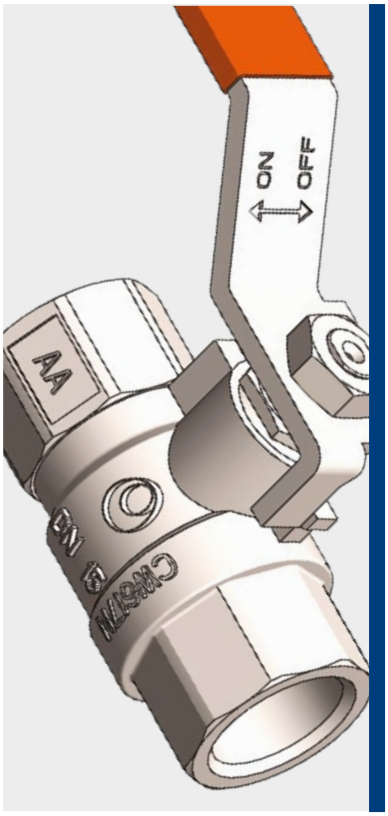
drawings and technical data are not binding & can be changed without notice

9210H

Universal full bore ball valve heavy series, female BSPP thread, red lever



CODE	T	DN	A	L1	L2	L3	CH
9210TRH14	G 1/4"	10	12	45,0	40,0	80,0	21
9210TRH38	G 3/8"	10	12	45,0	40,0	80,0	21
9210TRH12	G 1/2"	15	17	63,0	52,0	90,0	26
9210TRH34	G 3/4"	20	19,5	71,0	55,0	90,0	31
9210TRH1	G 1"	25	21	83,0	64,0	125,0	38
9210TRH114	G 1-1/4"	32	22	92,0	69,0	125,0	48
9210TRH112	G 1-1/2"	40	23,5	104,0	78,0	140,0	55
9210TRH2	G 2"	50	28	124,0	85,0	140,0	68
9210TRH212	G 2-1/2"	60	28	140,0	131,0	250,0	85
9210TRH3	G 3"	74	30,5	159,0	140,0	250,0	99
9210TRH4	G 4"	94	38	196,0	154,0	250,0	125



-30°C ÷ 180°C

Working pressure:
50 Bar (from 3/8" to 3/4")
40 Bar (from 1" to 1-1/4")
32 Bar (from 1-1/2" to 2")

Compressed air, hydraulic, sanitary and fluids suitable with construction materials

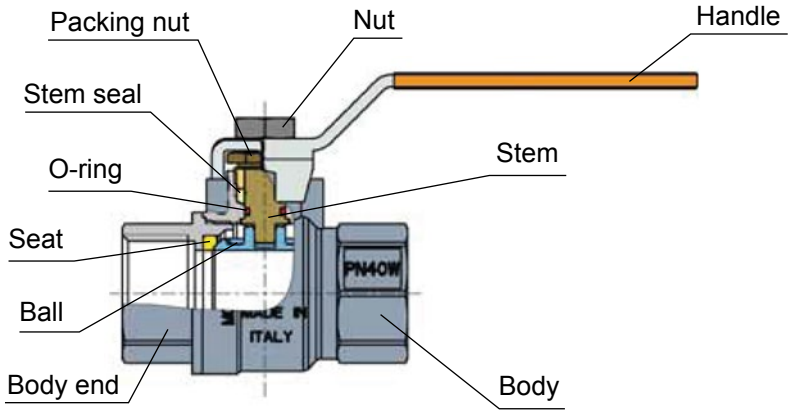
Parallel gas BSPP ISO 228-1 from G3/8" to G2"

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem (anti blow-out): Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: Graphite reinforced PTFE
O-ring: FP (Fluor carbon rubber)
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: Graphite reinforced PTFE
Packing nut: Brass CW614N UNI EN 12164/98

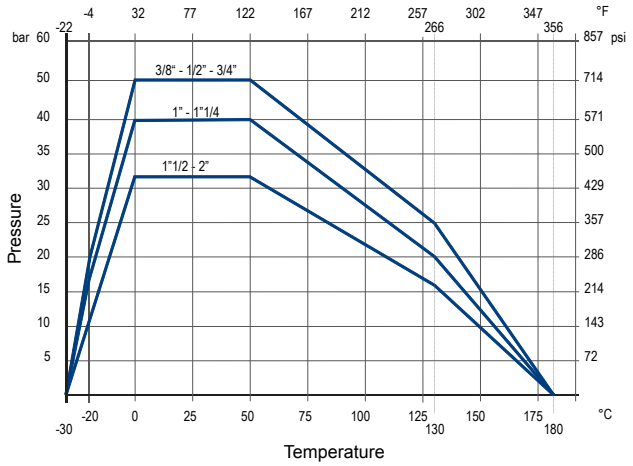
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



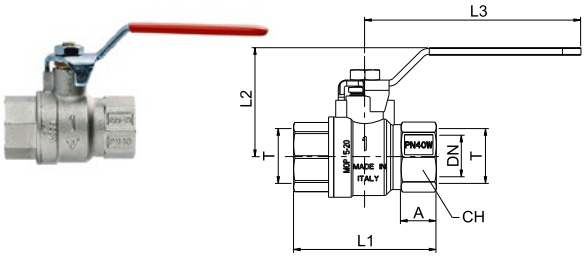
PRESSURE-TEMPERATURE CHART



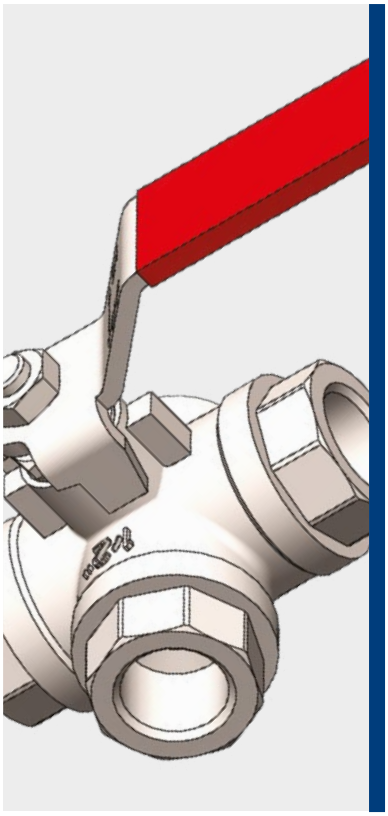
drawings and technical data are not binding & can be changed without notice

9210HS

Universal full bore ball valve heavy series, female BSPP thread, orange lever



CODE	T	DN	A	L1	L2	L3	CH
9210TRHS38	G 3/8"	10	12	45,0	41,0	80,0	21
9210TRHS12	G 1/2"	15	17	63,0	54,0	90,0	26
9210TRHS34	G 3/4"	20	19,5	71,0	58,0	90,0	31
9210TRHS1	G 1"	25	21	83,0	66,0	125,0	38
9210TRHS114	G 1-1/4"	32	22	92,0	71,0	125,0	48
9210TRHS112	G 1-1/2"	40	23,5	104,0	80,0	140,0	55
9210TRHS2	G 2"	50	28	124,0	88,0	140,0	68



9270 - 9280:
-20°C ÷ 150°C
9272 - 9282:
-10°C ÷ 100°C

Working pressure:
9270 - 9280
32 Bar (from 1/4" to 1")
25 Bar (from 1-1/4" to 2")
9272 - 9282
25 Bar (from 1/4" to 2")

Compressed air, hydraulic, sanitary, irrigation and fluids suitable with construction materials

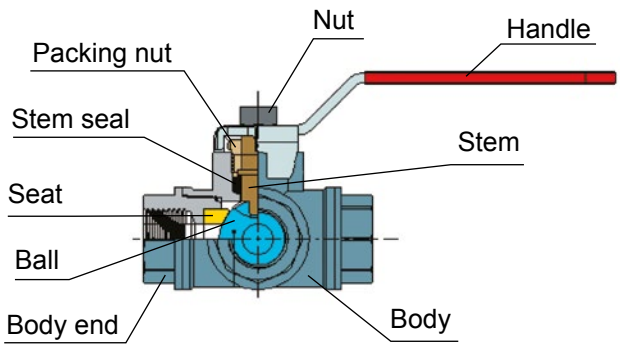
Parallel gas BSPP ISO 228-1 from G1/4" to G2"

Body: Nickel-plated brass CW617N UNI EN 12165/98
Stem: Brass CW614N UNI EN 12164/98
Body end: Nickel-plated brass CW617N UNI EN 12165/98
Ball: Chromed brass CW617N UNI EN 12165/98
Seat: PTFE
O-ring: FKM (9272 & 9282)
Handle: PVC coated steel
Nut: Zinc-plated steel
Stem seal: PTFE
Packing nut: Brass CW614N UNI EN 12164/98
Indicator: Aluminium (9272 & 9282)

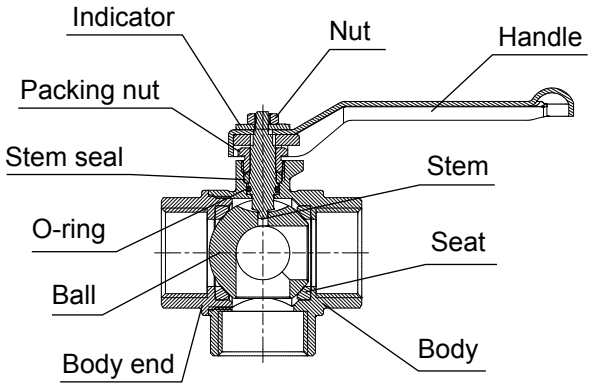
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

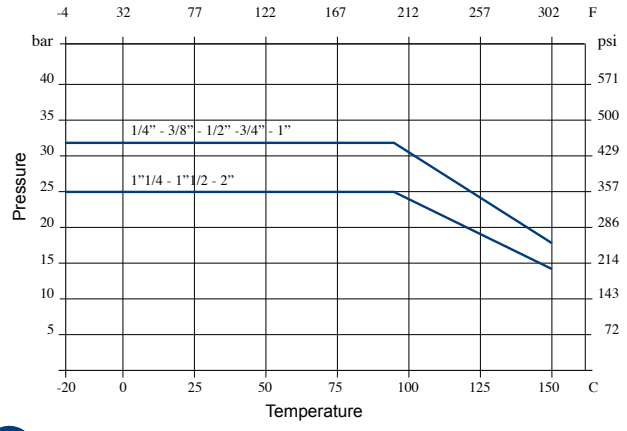
CONSTRUCTION DETAILS
9270 & 9280



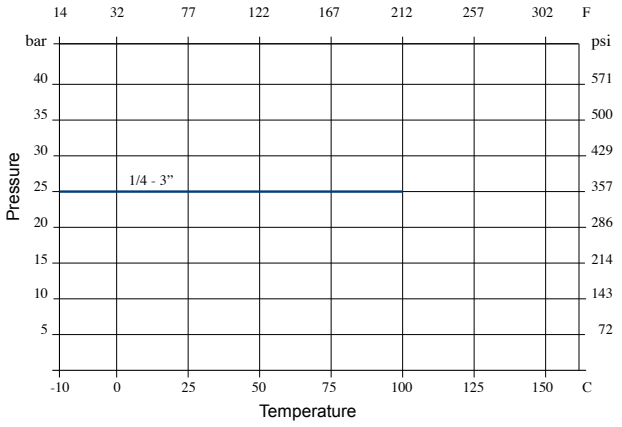
CONSTRUCTION DETAILS
9272 & 9282



PRESSURE-TEMPERATURE CHART
9270 & 9280

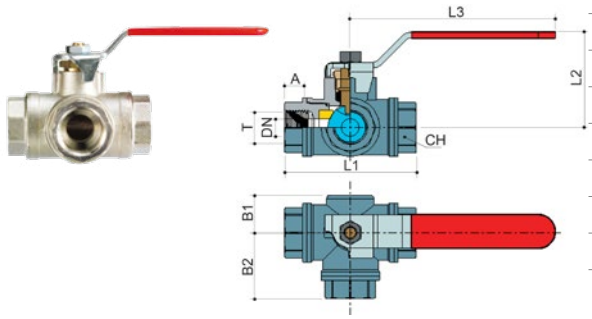


PRESSURE-TEMPERATURE CHART
9272 & 9282

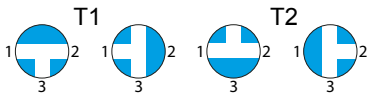


drawings and technical data are not binding & can be changed without notice

9270 Three-ways T port ball valve, reduced bore, female BSPP thread, red lever

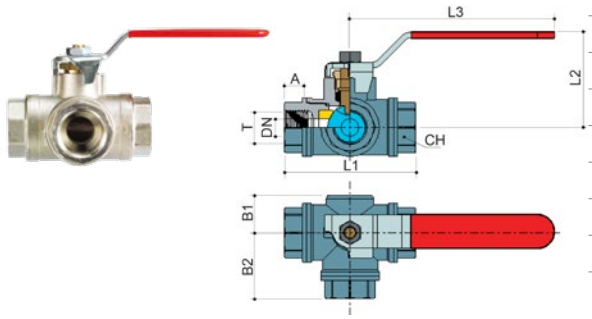


CODE	T	DN	A	B1	B2	L1	L2	L3	CH
9270TR14	G 1/4"	10	12	22	37	74,0	58,0	90,0	22
9270TR38	G 3/8"	10	12	22	37	74,0	58,0	90,0	22
9270TR12	G 1/2"	12	14	24	39	80,0	60,0	125,0	29
9270TR34	G 3/4"	15	16	28	46	90,0	64,0	125,0	34
9270TR1	G 1"	20	19	31	52	105,0	73,0	140,0	42
9270TR114	G 1-1/4"	25	21	35	58	115,0	79,0	140,0	50
9270TR112	G 1-1/2"	32	23	42	69	138,0	100,0	220,0	57
9270TR2	G 2"	40	26	48	80	161,0	105,0	220,0	68

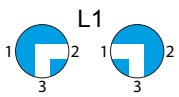


To obtain the **"T2"** configuration, unscrew the nut, remove the lever and rotate the ball 180°.
Then replace the lever in the standard position.

9280 Three-ways L port ball valve, reduced bore, female BSPP thread, red lever

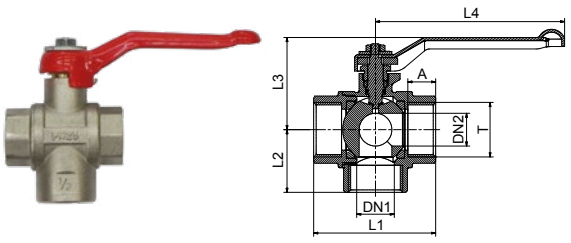


CODE	T	DN	A	B1	B2	L1	L2	L3	CH
9280TR14	G 1/4"	10	12	22	37	74,0	58,0	90,0	22
9280TR38	G 3/8"	10	12	22	37	74,0	58,0	90,0	22
9280TR12	G 1/2"	12	14	24	39	80,0	60,0	125,0	29
9280TR34	G 3/4"	15	16	28	46	90,0	64,0	125,0	34
9280TR1	G 1"	20	19	31	52	105,0	73,0	140,0	42
9280TR114	G 1-1/4"	25	21	35	58	115,0	79,0	140,0	50
9280TR112	G 1-1/2"	32	23	42	69	138,0	100,0	220,0	57
9280TR2	G 2"	40	26	48	80	161,0	105,0	220,0	68

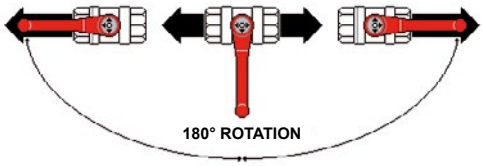


9272

Three-ways reduced bore T ball valve, female BSPP thread, red lever

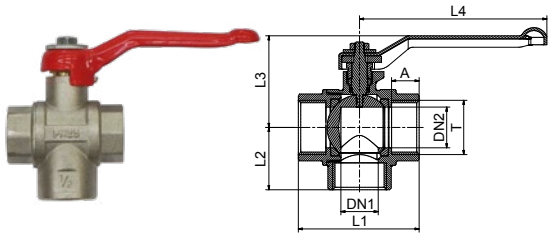


CODE	T	DN1	DN2	A	L1	L2	L3	L4
9272TR14	G 1/4"	10	10	14	53,0	31,0	48,0	92,0
9272TR38	G 3/8"	10	10	14	53,0	31,0	48,0	92,0
9272TR12	G 1/2"	10	10	14	55,0	31,0	48,0	92,0
9272TR34	G 3/4"	15	15	16	66,0	34,0	50,0	92,0
9272TR1	G 1"	20	20	17	74,0	38,0	55,0	115,0
9272TR114	G 1-1/4"	25	25	18	85,0	46,0	68,0	150,0
9272TR112	G 1-1/2"	32	32	19	97,0	53,0	73,0	150,0
9272TR2	G 2"	40	40	21	109,0	62,0	79,0	150,0

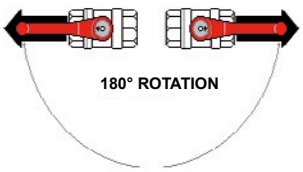


9282

Three-ways reduced bore L ball valve, female BSPP thread, red lever



CODE	T	DN1	DN2	A	L1	L2	L3	L4
9282TR14	G 1/4"	10	10	14	53,0	31,0	48,0	92,0
9282TR38	G 3/8"	10	10	14	53,0	31,0	48,0	92,0
9282TR12	G 1/2"	12	12	14	55,0	31,0	48,0	92,0
9282TR34	G 3/4"	18	20	16	66,0	34,0	50,0	92,0
9282TR1	G 1"	23	25	17	74,0	38,0	55,0	115,0
9282TR114	G 1-1/4"	30	32	18	85,0	46,0	68,0	150,0
9282TR112	G 1-1/2"	37	39	19	97,0	53,0	73,0	150,0
9282TR2	G 2"	46	48	21	109,0	62,0	79,0	150,0



TierreGroup®
Always a fittings solution

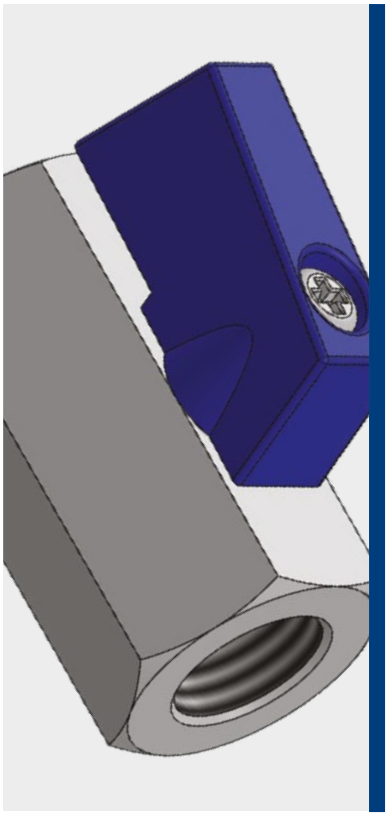
NON È
UN CASTELLO DI CARTE



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TierreGroup®

FOLLOW US!



-20°C ÷ 140°C

Working pressure:
69 Bar

Compressed air and fluids suitable with construction materials

- Taper gas BSPT ISO 7-1 from R1/8" to R1"
- Parallel gas BSPP ISO 228-1 from G1/8" to G1"

LEVER ROTATION
90° rotation of the lever

Body: Stainless steel CF8M
Locking nut: Stainless steel AISI 316
Ball: Stainless steel AISI 316
Stem (anti blow-out): Stainless steel AISI 316
Ball seal: PTFE
O-ring: NBR
Lever: Aluminium
Screw: Stainless steel AISI 304

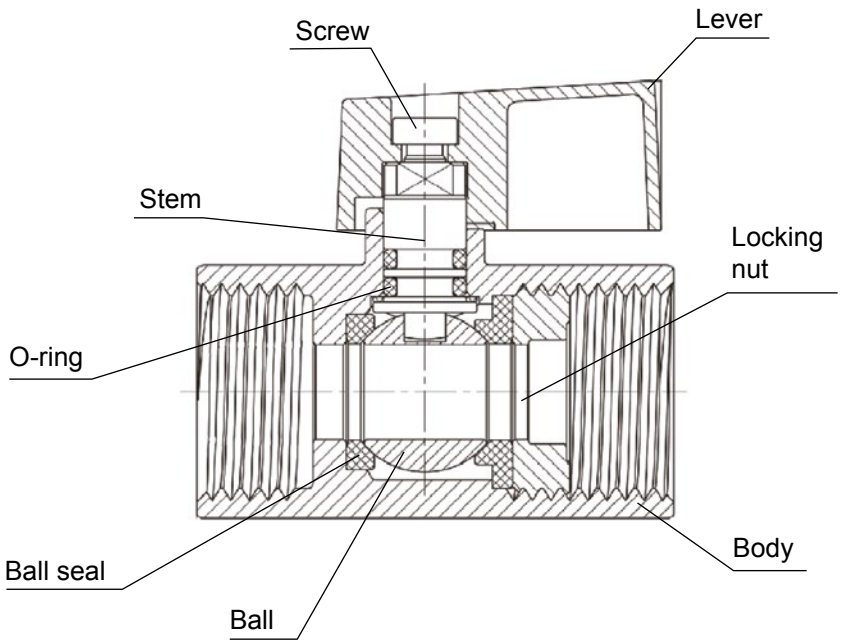
Food contact materials EC 1935/2004

D.M. 174/2004

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

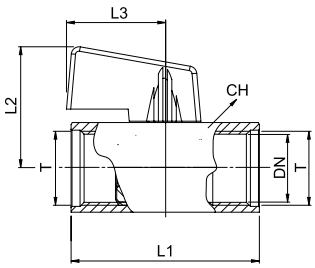
CONSTRUCTION DETAILS



9170

Female mini ball valve BSPP thread



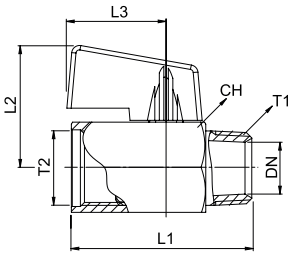


CODE	T	DN	L1	L2	L3	CH
9170TR18	G 1/8"	5	39,0	26,5	23,0	21
9170TR14	G 1/4"	7	42,0	26,5	23,0	21
9170TR38	G 3/8"	7	42,0	26,5	23,0	21
9170TR12	G 1/2"	9,2	46,0	29,0	23,0	24,5
9170TR34	G 3/4"	12,5	54,0	32,0	23,0	31
9170TR1	G 1"	15	64,5	35,0	23,0	36

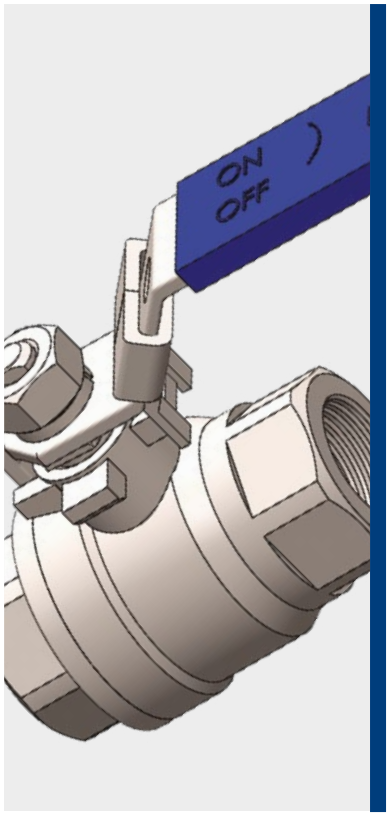
9180

Mini ball valve, male BSPT and female BSPP threads





CODE	T1	T2	DN	L1	L2	L3	CH
9180TR18	R 1/8"	G 1/8"	5	39,0	26,5	23,0	21
9180TR14	R 1/4"	G 1/4"	7	40,0	26,5	23,0	21
9180TR38	R 3/8"	G 3/8"	7	40,0	26,5	23,0	21
9180TR12	R 1/2"	G 1/2"	9,2	46,0	29,0	23,0	24,5
9180TR34	R 3/4"	G 3/4"	12,5	54,0	32,0	23,0	31
9180TR1	R 1"	G 1"	15	64,5	35,0	23,0	36



-25°C ÷ 180°C

Working pressure:
85 Bar (from 1/4" to 1")
70 Bar (from 1-1/4" to 1-1/2")
63 Bar (from 2" to 4")

Industrial, chemical and food installations

Parallel gas BSPP ISO 228-1
from G1/4" to G4"

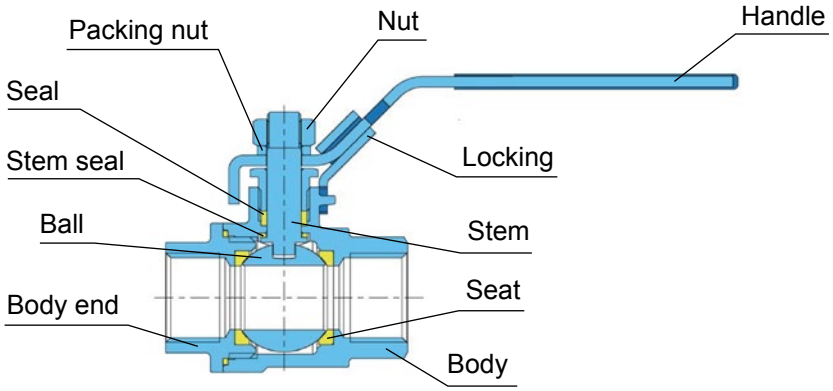
AVAILABILITY
Available with NPT thread on request

Body: Stainless steel AISI 316
Stem: Stainless steel AISI 316
Body end: Stainless steel AISI 316
Ball: Stainless steel AISI 316
Seat: PTFE
Handle: Stainless steel AISI 316
Nut: Stainless steel AISI 316
Stem seal: PTFE
Seal: PTFE
Packing nut: Stainless steel AISI 316
Locking: Stainless steel AISI 316

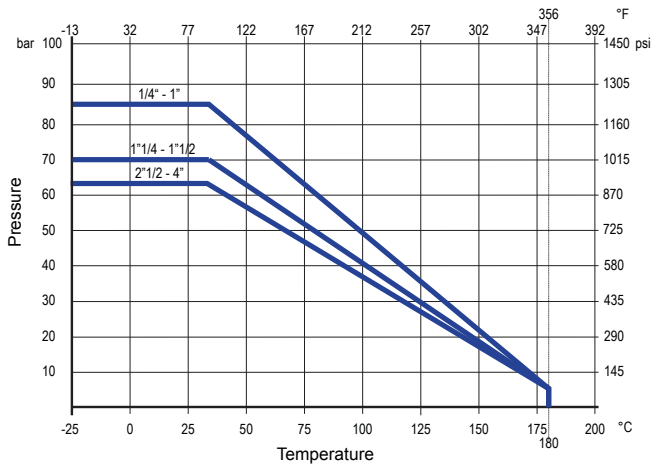
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



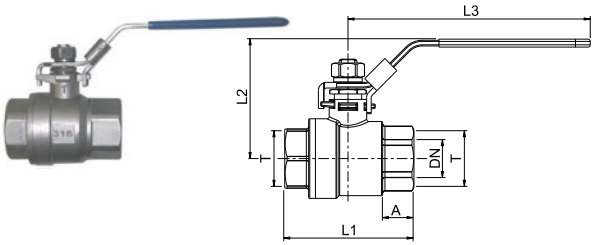
PRESSURE-TEMPERATURE CHART



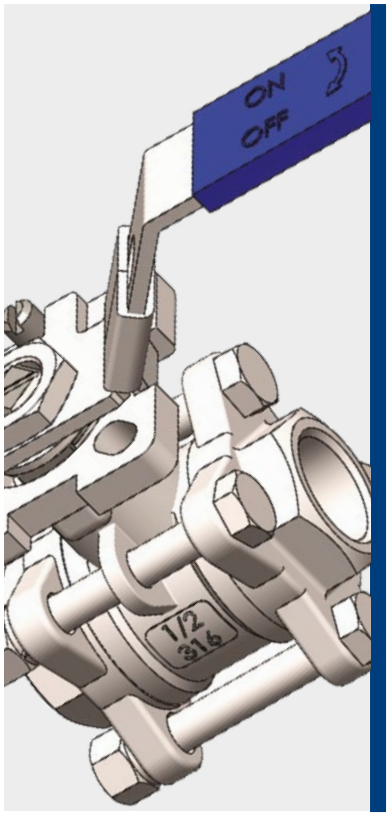
drawings and technical data are not binding & can be changed without notice

9320

Universal full bore ball valve, female BSPP thread, blue lever



CODE	T	DN	A	L1	L2	L3
9320TR14	G 1/4"	11,5	9,5	49,0	54,0	105,0
9320TR38	G 3/8"	12,5	11	49,0	54,0	105,0
9320TR12	G 1/2"	15	12,5	57,0	56,0	105,0
9320TR34	G 3/4"	20	14	64,0	65,0	118,0
9320TR1	G 1"	25	16	77,0	70,0	150,0
9320TR114	G 1-1/4"	30	18	90,0	75,0	150,0
9320TR112	G 1-1/2"	40	19	105,0	93,0	182,0
9320TR2	G 2"	50	24	125,0	99,0	182,0
9320TR212	G 2-1/2"	65	26	153,0	123,0	254,0
9320TR3	G 3"	76	31	172,0	140,0	254,0
9320TR4	G 4"	94	48	221,0	175,0	285,0



-40°C ÷ 220°C

Working pressure:
85 Bar (from 1/4" to 1")
70 Bar (from 1-1/4" to 1-1/2")
65 Bar (from 2" to 4")

Industrial, chemical and food installations

Taper gas BSPT ISO 7/1
from R1/4" to R4"

FLANGE
ISO 5211 flange

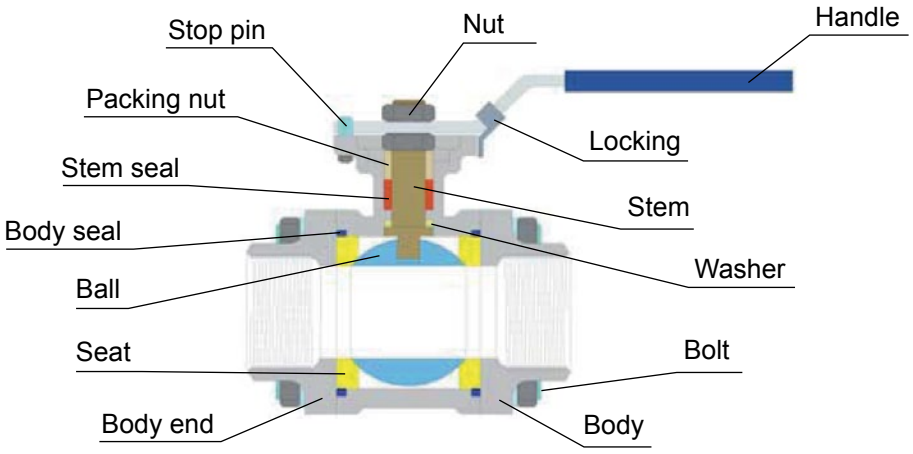
AVAILABILITY
Available with NPT thread on request

Body: Stainless steel AISI 316
Stem: Stainless steel AISI 316
Body end: Stainless steel AISI 316
Ball: Stainless steel AISI 316
Seat: PTFE 15% glassfiber
Handle: Stainless steel AISI 304 PVC coated
Nut: Stainless steel AISI 304
Stem seal: PTFE
Body seal: PTFE
Washer: PTFE
Packing nut: Stainless steel AISI 304
Locking: Stainless steel AISI 304
Stop pin: Stainless steel AISI 304
Bolt: Stainless steel AISI 304

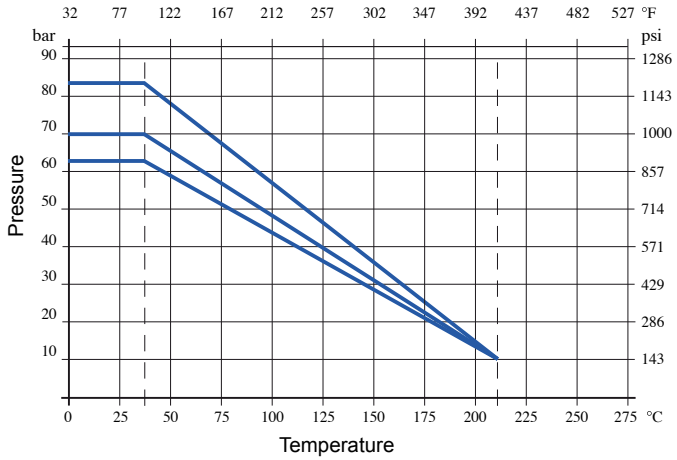
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

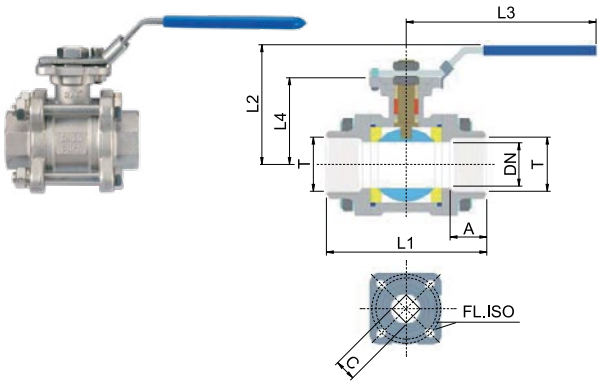


PRESSURE-TEMPERATURE CHART

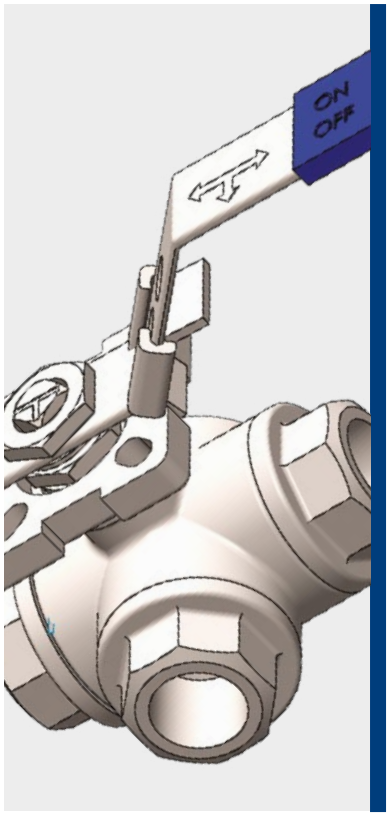


drawings and technical data are not binding & can be changed without notice

9325 Three pieces full bore universal ball valve, female BSPT thread, blue lever



CODE	T	DN	A	L1	L2	L3	L4	C	FL.ISO	N/m
9325TR14	R 1/4"	11	10	48,0	60,0	117,0	32,5	9	F03	4
9325TR38	R 3/8"	12,7	11	48,0	60,0	117,0	32,5	9	F03	4
9325TR12	R 1/2"	15	15	55,0	65,0	117,0	37,1	9	F03/04	5
9325TR34	R 3/4"	20	16	74,0	72,0	135,0	42,2	11	F04/05	8
9325TR1	R 1"	25	19	81,0	75,0	140,0	45,0	11	F04/05	10
9325TR114	R 1-1/4"	32	21	91,0	90,0	203,0	54,0	14	F05/07	14
9325TR112	R 1-1/2"	40	21	103,0	95,0	203,0	59,5	14	F05/07	18
9325TR2	R 2"	50	25	120,0	105,0	203,0	68,0	14	F05/07	25
9325TR212	R 2-1/2"	65	30	151,0	140,0	260,0	100,0	17	F07/10	48
9325TR3	R 3"	80	33	182,0	165,0	260,0	112,5	17	F07/10	75
9325TR4	R 4"	100	39	220,0	170,0	280,0	125,5	17	F07/10	110



-50°C ÷ 250°C

Working pressure:
83 Bar (from 1/4" to 1")
69 Bar (from 1-1/4" to 1-1/2")
63 Bar (2")

Industrial, chemical and food installations

Parallel gas BSPP
UNI EN 10226-1
from G1/4" to G2"

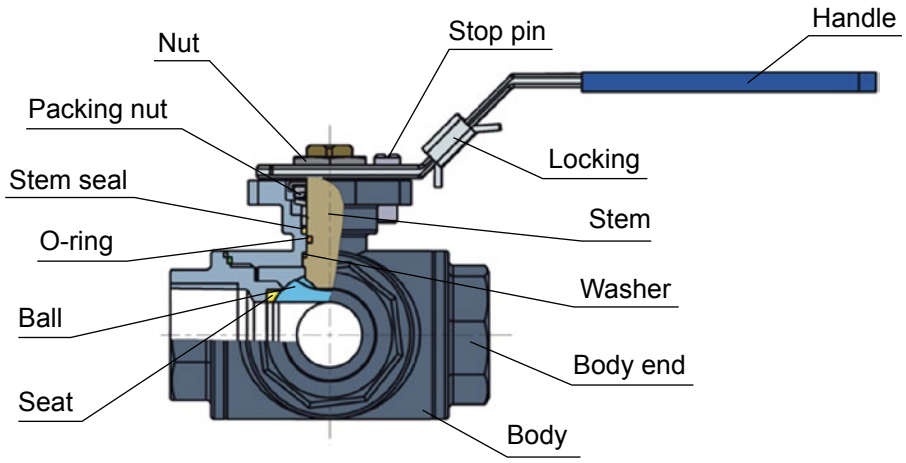
FLANGE
ISO 5211 flange

Body: Stainless steel AISI 316
Stem: Stainless steel AISI 316
Body end: Stainless steel AISI 316
Ball: Stainless steel AISI 316
Seat: PTFE
Handle: Stainless steel AISI 304 PVC coated
Nut: Stainless steel AISI 304
Stem seal: PTFE
Seal: PTFE
O-ring: Viton
Packing nut: Stainless steel AISI 316
Locking: Stainless steel AISI 304
Stop pin: Stainless steel AISI 304

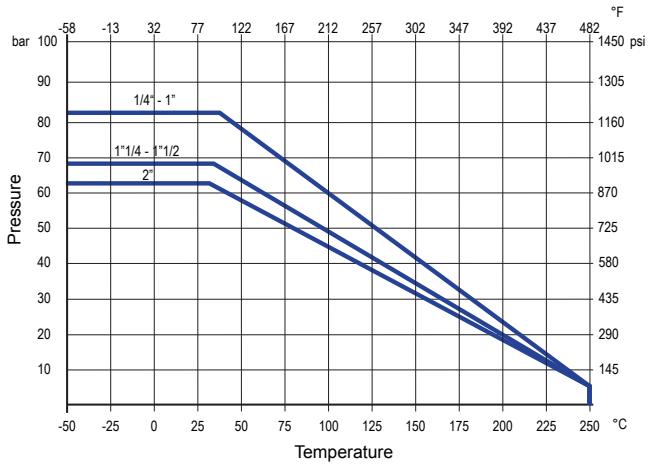
Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS

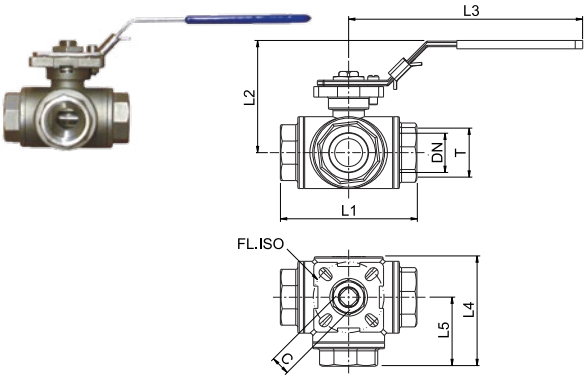


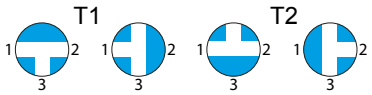
PRESSURE-TEMPERATURE CHART



drawings and technical data are not binding & can be changed without notice

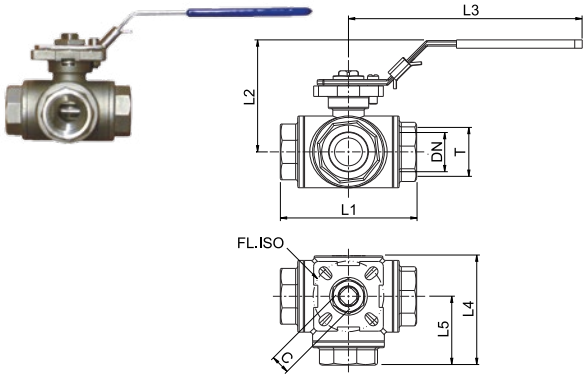
9340 Three-ways T port ball valve, reduced bore, female BSPP thread, blue lever

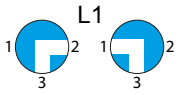




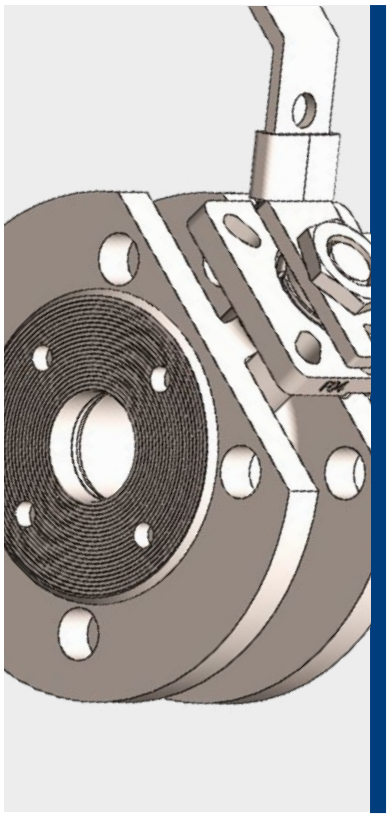
CODE	T	DN	L1	L2	L3	L4	L5	C	FL.ISO
9340TR14	G 1/4"	9,5	75,0	66,0	130,0	57,5	37,5	9	F03/04
9340TR38	G 3/8"	11	75,0	66,0	130,0	57,5	37,5	9	F03/04
9340TR12	G 1/2"	12	75,0	66,0	130,0	57,5	37,5	9	F03/04
9340TR34	G 3/4"	15	85,0	72,0	161,0	65,5	42,5	11	F04/05
9340TR1	G 1"	20	100,0	77,0	161,0	79,0	50,0	11	F04/05
9340TR114	G 1-1/4"	25	122,0	92,0	203,0	97,0	61,0	14	F05/07
9340TR112	G 1-1/2"	32	131,0	96,0	203,0	106,5	65,5	14	F05/07
9340TR2	G 2"	40	158,0	107,0	203,0	129,0	79,0	14	F05/07

9342 Three-ways L port ball valve, reduced bore, female BSPP thread, blue lever





CODE	T	DN	L1	L2	L3	L4	L5	C	FL.ISO
9342TR14	G 1/4"	9,5	75,0	66,0	130,0	57,5	37,5	9	F03/04
9342TR38	G 3/8"	11	75,0	66,0	130,0	57,5	37,5	9	F03/04
9342TR12	G 1/2"	12	75,0	66,0	130,0	57,5	37,5	9	F03/04
9342TR34	G 3/4"	15	85,0	72,0	161,0	65,5	42,5	11	F04/05
9342TR1	G 1"	20	100,0	77,0	161,0	79,0	50,0	11	F04/05
9342TR114	G 1-1/4"	25	122,0	92,0	203,0	97,0	61,0	14	F05/07
9342TR112	G 1-1/2"	32	131,0	96,0	203,0	106,5	65,5	14	F05/07
9342TR2	G 2"	40	158,0	107,0	203,0	129,0	79,0	14	F05/07



-25°C ÷ 180°C

Working pressure:
40 Bar (DN 15 - 100)
16 Bar (DN 125 - 150)

Fluids suitable with construction materials

STEM

Stem with flat head ISO 5211

FLANGE

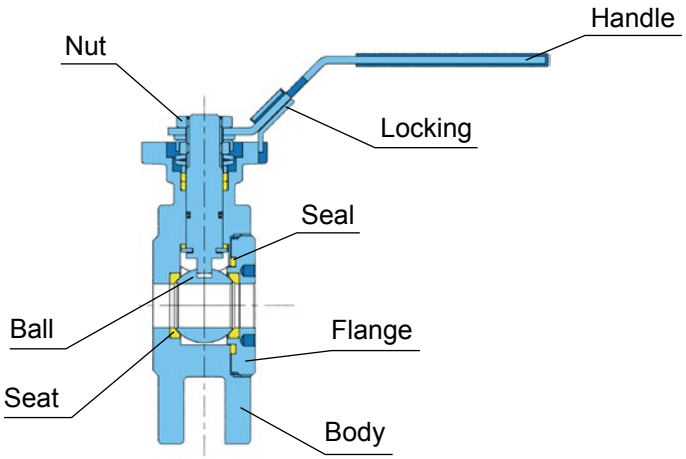
- ISO 5211 flange
- Attacchi flangiati PN 16
- Flanged ends UNI EN 1092

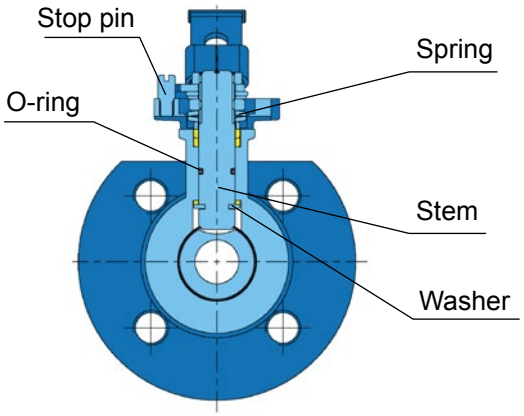
Body: Stainless steel AISI 316
Stem: Stainless steel AISI 316
Ball: Stainless steel AISI 316
Seat: PTFE 15% glassfiber
Handle: Stainless steel AISI 304 PVC coated
Nut: Stainless steel AISI 304
Seal: PTFE
O-ring: FKM
Washer: Stainless steel AISI 304
Spring: Stainless steel AISI 301
Stop pin: Stainless steel AISI 304
Locking: Stainless steel AISI 304
Flange: Stainless steel AISI 316

Products in compliance with EC Regulation 1907/2006

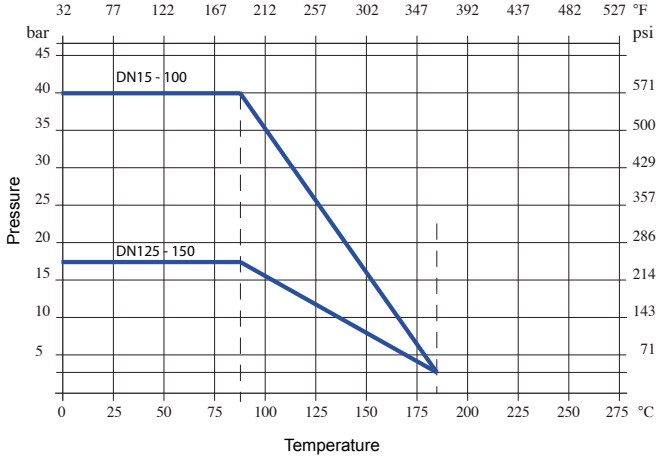
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS





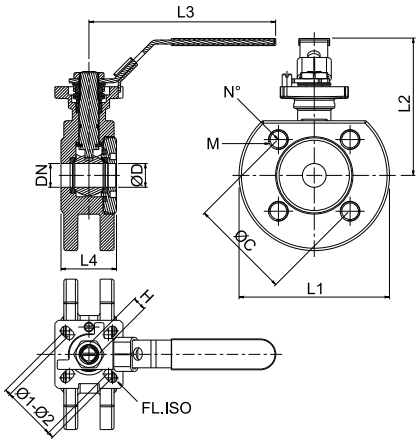
PRESSURE-TEMPERATURE CHART



drawings and technical data are not binding & can be changed without notice

9350 Flanged flat body ball valve, blue lever





CODE	DN	ØD	M	N°	ØC	L1	L2	L3	L4	H	Ø1-Ø2	FL.ISO
9350TR12	15	15	M12	4	65	85,0	89,0	115,0	36,0	9	36-42	F03/04
9350TR34	20	20	M12	4	75	105,0	94,0	115,0	38,0	9	36-42	F03/04
9350TR1	25	25	M12	4	85	115,0	90,0	140,0	50,0	11	42-50	F04/05
9350TR114	32	32	M16	4	100	140,0	100,0	140,0	53,0	11	42-50	F04/05
9350TR112	40	40	M16	4	110	150,0	115,0	200,0	65,0	14	50-70	F05/07
9350TR2	50	50	M16	4	125	165,0	125,0	200,0	78,0	14	50-70	F05/07
9350TR212	65	65	M16	4	145	185,0	140,0	255,0	98,0	17	70-102	F07/10
9350TR3	80	76	M16	8	160	200,0	145,0	255,0	118,0	17	70-102	F07/10
9350TR4	100	94	M16	8	180	200,0	175,0	300,0	140,0	17	70-102	F07/10
9350TR5	125	125	M16	8	210	250,0	228,0	600,0	195,0	22	102-125	F10/12
9350TR6	150	150	M20	8	240	285,0	245,0	600,0	225,0	22	102-125	F10/12

* Flanged flat body ball valve 9350TR5 and 9350TR6



-25°C ÷ 180°C

Working pressure:
40 Bar

Fluids suitable with construction materials

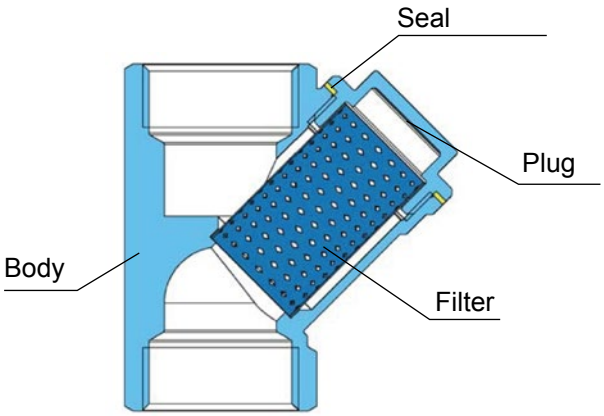
Parallel gas BSPP ISO 228-1
from G1/4" to G2"

Body: Stainless steel AISI 316
Filter: Stainless steel AISI 316
Seal: PTFE
Plug: Stainless steel AISI 316

Products in compliance with EC Regulation 1907/2006

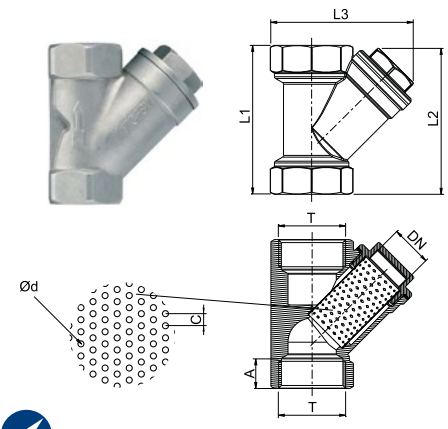
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



9400

Full bore Y filter, female BSPP thread



CODE	T	DN	A	L1	L2	L3	Ød	C
9400TR14	G 1/4"	10	15	64,0	64,0	43,0	1	2
9400TR38	G 3/8"	12	15	64,0	64,0	43,0	1	2
9400TR12	G 1/2"	15	15	64,0	64,0	45,0	1	2
9400TR34	G 3/4"	20	16	80,0	81,0	52,0	1	2
9400TR1	G 1"	25	16	90,0	95,0	68,0	1	2
9400TR114	G 1-1/4"	32	22	106,0	106,0	70,0	1	2
9400TR112	G 1-1/2"	38	22	119,0	117,0	80,0	1	2
9400TR2	G 2"	50	26	140,0	138,0	98,0	1	2

drawings and technical data are not binding & can be changed without notice

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Always a fittings solution

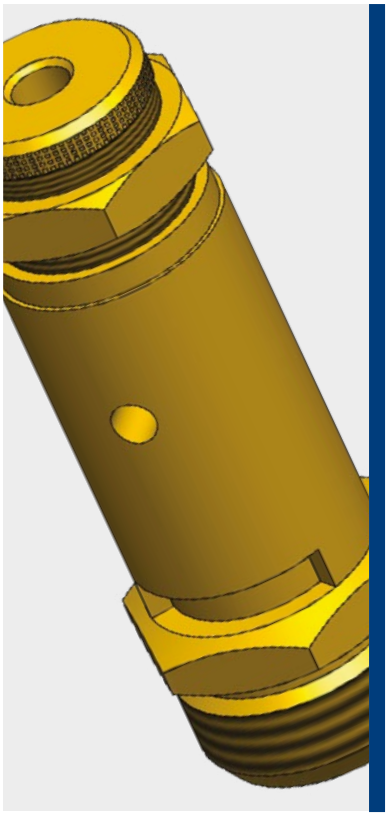




Serie XVR in acciaio inox.
Naturalmente resistente.

TierreGroup®
Always a fitting solution

FOLLOW US!



NBR: -10°C ÷ 80°C
FKM: -10°C ÷ 200°C

Working pressure:
Up to 20 Bar (9613 - 9614)
Up to 50 Bar (9615)

9613: Compressed air and inert gases
9614: Compressed air
9615: Compressed air, refrigerants, saturated steam and inert gases

Parallel gas BSPP ISO 228 from G1/4" to G1/2"

Body: Yellow brass EN 12164:98 CW614N
Pad: NBR or FKM
Shutter: Yellow brass EN 12164:98 CW614N
Stem: EN 10263-2-4
Spring: EN 10270-1-DH
Regulation screw: Yellow brass EN 12164:98 CW614N
Nut: Yellow brass EN 12164:98 CW614N

Products in compliance with EC Regulation 1907/2006

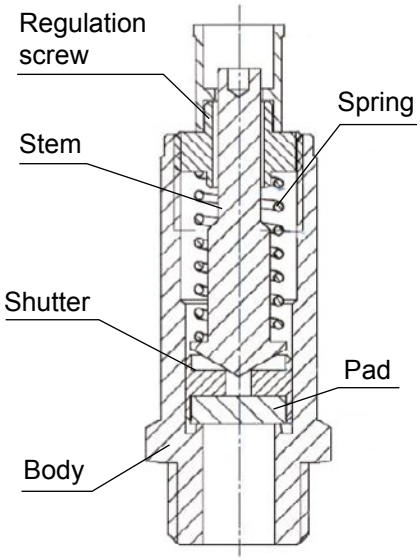
Products in compliance with the directive EU 2015/863

FEATURES

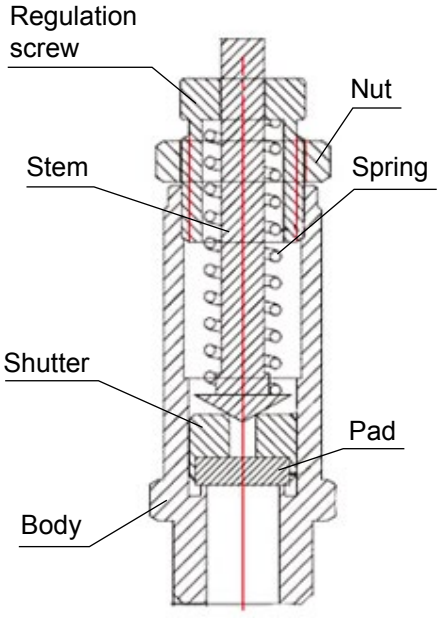
Safety valves were created to protect the plant on which they are installated, from overpressure caused by the malfunction of one or more components of the system itself. Their function is to open up when the pressure accumulated inside the container goes above the calibration value of the valve itself untill pressure drops below the calibration level.
The materials used to construct this product and its size are suitable to pressure valves capacity, the temperature and the exhaust flow rate.

CONSTRUCTION DETAILS

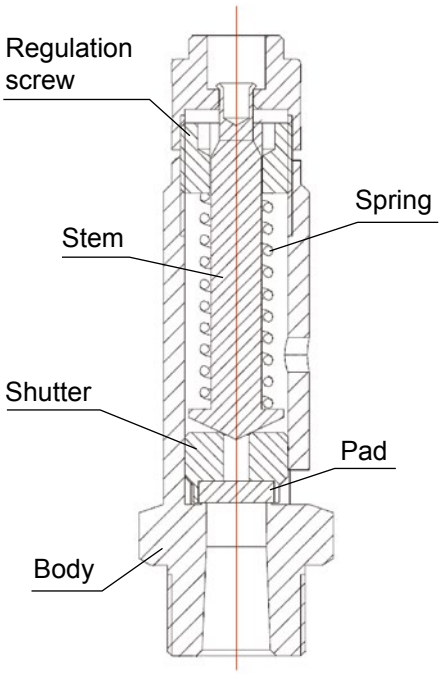
9613



9614

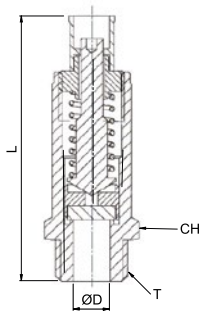


9615



9613 Calibrated safety valve





CODE	T	ØD (mm)	ØD AREA (mm)	CALIBRATION (Bar)	OVERPRESSURE FROM 0,5 TO 2 BAR (Bar)	OVERPRESSURE FROM 2 TO 18 BAR (Bar)	RE-CLOSING TRIPPING	L (mm)	CH (mm)
9613TR14	G 1/4"	6,8	36,3	0,5 - 18	0,2	10%	20%	50	15
9613TR38	G 3/8"	10,8	91,5	4 - 16	-	10%	20%	62	20
9613TR12	G 1/2"	10,8	91,5	4 - 16	-	10%	20%	63	22

EXHAUST FLOW RATES FOR COMPRESSED AIR

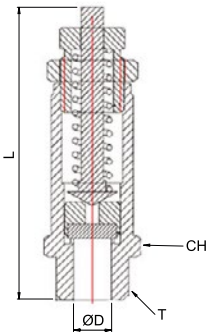
	Bar	0,5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
9613TR14	kg/h	24	42	63	85	106	127	148	169	190	211	232	254	275	296	317	338	358	379	400
	lt/m	311	548	822	1097	1371	1640	1913	2187	2456	2729	3002	3274	3547	3820	4093	4359	4616	4888	5159
9613TR38	kg/h	-	-	-	-	222	266	311	355	399	442	485	533	577	622	666	711	755	-	-
	lt/m	-	-	-	-	2864	3437	4010	4583	5148	5700	6260	6875	7448	8021	8594	9167	9740	-	-
9613TR12	kg/h	-	-	-	-	222	266	311	355	399	442	485	533	577	622	666	711	755	-	-
	lt/m	-	-	-	-	2864	3437	4010	4583	5148	5700	6260	6875	7448	8021	8594	9167	9740	-	-

drawings and technical data are not binding & can be changed without notice

9614

Regulated safety valve





CODE	T	ØD (mm)	ØD AREA (mm)	CALIBRATION (Bar)	OVERPRESSURE FROM 0,5 TO 2 BAR (Bar)	OVERPRESSURE FROM 2 TO 18 BAR (Bar)	RE-CLOSING TRIPPING	L (mm)	CH (mm)
9614TR14	G 1/4"	5,8	26,4	0,5 - 18	0,2	10%	20%	50	15
9614TR38	G 3/8"	10,8	91,5	1 - 14	-	10%	20%	67	20
9614TR12	G 1/2"	10,8	91,5	1 - 14	-	10%	20%	67	22

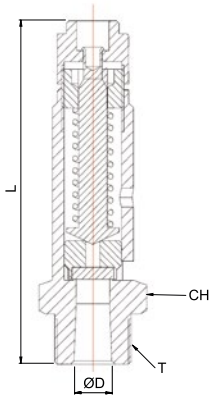
EXHAUST FLOW RATES FOR COMPRESSED AIR

	Bar	0,5	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
9614TR14	kg/h	17	24	37	50	63	76	88	101	113	126	139	152	164	177	189	202	215	228	241
	lt/m	245	329	492	656	821	982	1146	1309	1471	1634	1798	1961	2125	2288	2452	2611	2770	2928	3085
9614TR38	kg/h	-	55	83	111	139	168	196	224	252	279	306	336	364	392	420	-	-	-	-
	lt/m	-	729	1089	1449	1809	2170	2533	2895	3251	3600	3953	4342	4704	5066	5428	-	-	-	-
9614TR12	kg/h	-	55	83	111	139	168	196	224	252	279	306	336	364	392	420	-	-	-	-
	lt/m	-	729	1089	1449	1809	2170	2533	2895	3251	3600	3953	4342	4704	5066	5428	-	-	-	-

9615

Safety valve IV° category





CODE	T	ØD (mm)	ØD AREA (mm)	CALIBRATION (Bar)	OVERPRESSURE (Bar)	RE-CLOSING TRIPPING	TOTAL LENGTH FROM 0,5 TO 16 BAR (mm)	TOTAL LENGTH FROM 16 TO 45 BAR (mm)	CH (mm)
9615TR14	G 1/4"	7	38,5	0,5 - 45	10%	10%	62	67	17
9615TR38	G 3/8"	7	38,5	0,5 - 45	10%	10%	64	69	20
9615TR12	G 1/2"	7	38,5	0,5 - 45	10%	10%	66	71	22

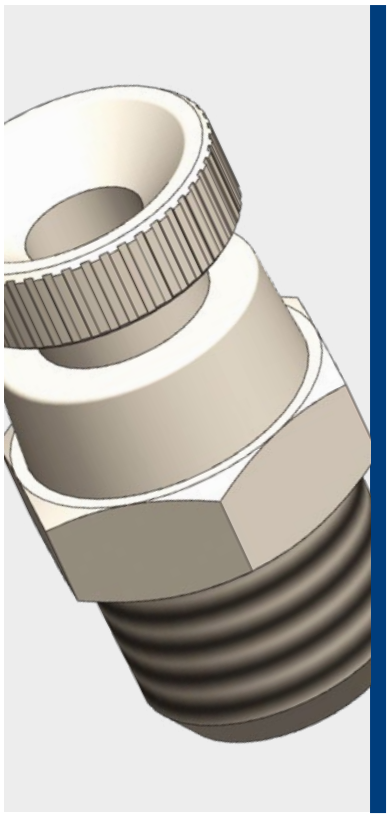
EXHAUST FLOW RATES FOR COMPRESSED AIR

	Bar	0,5	1	1,5	2	3	4	5	6	7	8	9	10	11	12	13	14	15
9615TR14	kg/h	40	53	67	80	107	134	161	188	215	242	268	295	322	349	376	403	430
	lt/m	520	693	866	1040	1387	1733	2080	2427	2774	3120	3467	3814	4161	4508	4854	5201	5548
9615TR38	kg/h	40	53	67	80	107	134	161	188	215	242	268	295	322	349	376	403	430
	lt/m	520	693	866	1040	1387	1733	2080	2427	2774	3120	3467	3814	4161	4508	4854	5201	5548
9615TR12	kg/h	40	53	67	80	107	134	161	188	215	242	268	295	322	349	376	403	430
	lt/m	520	693	866	1040	1387	1733	2080	2427	2774	3120	3467	3814	4161	4508	4854	5201	5548

	Bar	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
9615TR14	kg/h	457	484	511	537	564	591	618	645	672	699	726	753	780	806	833
	lt/m	5895	6241	6588	6935	7282	7628	7975	8322	8669	9016	9362	9709	10056	10403	10749
9615TR38	kg/h	457	484	511	537	564	591	618	645	672	699	726	753	780	806	833
	lt/m	5895	6241	6588	6935	7282	7628	7975	8322	8669	9016	9362	9709	10056	10403	10749
9615TR12	kg/h	457	484	511	537	564	591	618	645	672	699	726	753	780	806	833
	lt/m	5895	6241	6588	6935	7282	7628	7975	8322	8669	9016	9362	9709	10056	10403	10749

	Bar	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
9615TR14	kg/h	860	867	914	941	968	995	1022	1049	1075	1102	1129	1156	1183	1210	1237
	lt/m	11096	11443	11790	12136	12483	12830	13177	13524	13870	14217	14564	14911	15257	15604	15951
9615TR38	kg/h	860	867	914	941	968	995	1022	1049	1075	1102	1129	1156	1183	1210	1237
	lt/m	11096	11443	11790	12136	12483	12830	13177	13524	13870	14217	14564	14911	15257	15604	15951
9615TR12	kg/h	860	867	914	941	968	995	1022	1049	1075	1102	1129	1156	1183	1210	1237
	lt/m	11096	11443	11790	12136	12483	12830	13177	13524	13870	14217	14564	14911	15257	15604	15951

drawings and technical data are not binding & can be changed without notice



-18°C ÷ 80°C

Max working pressure:
12 Bar

Compressed air and fluids suitable with construction materials

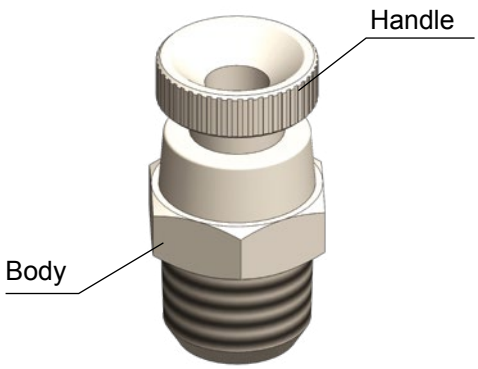
Taper gas BSPT ISO 7 from R1/8" to R1/2"

Body: Nickel-plated brass (9611TR18, 9611TR14, 9611TR38) Steel (9611TR12)
Handle: Nickel-plated brass (9611TR18, 9611TR14, 9611TR38) Steel (9611TR12)

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

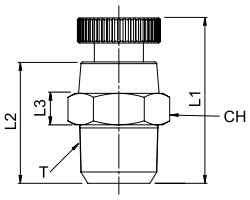
CONSTRUCTION DETAILS



9611

Condensate drain valve BSPT thread





CODE	T	L1	L2	L3	CH
9611TR18	R 1/8"	29	20,5	6,5	12
9611TR14	R 1/4"	24	16	5	14
9611TR38	R 3/8"	22,5	15	5	17
9611TR12	R 1/2"	27	19	6	22

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INDUSTRIAL VALVES SOLENOID VALVES

PLUS

DOUBLE RANGE, STAINLESS STEEL AND NYLON, DEPENDING ON THE APPLICATION

NYLON VERSION IS STUDIED TO BE USED WITH WATER FOR DOMESTIC AND PROFESSIONAL APPLIANCES

MADE IN DIFFERENT STRUCTURES TO FACILITATE USER CHOICE

IN THE STAINLESS STEEL VERSION THE 360° WEDING OF THE GUIDE TUBE GUARANTEES RELIABILITY AND DURABILITY OVER TIME

INDUSTRIAL VALVES - SOLENOID VALVES / NYLON



p. 676 / **SVP2CIR-IR**



p. 677 / **SVP2CAL-IR**



p. 678 / **SVP2CM-M**



p. 679 / **SVP2CAL-CL**

INDUSTRIAL VALVES - SOLENOID VALVES / STAINLESS STEEL AISI 316L



p. 682 / **SVX2**



p. 682 / **SVX3**



p. 683 / **SH14-N**



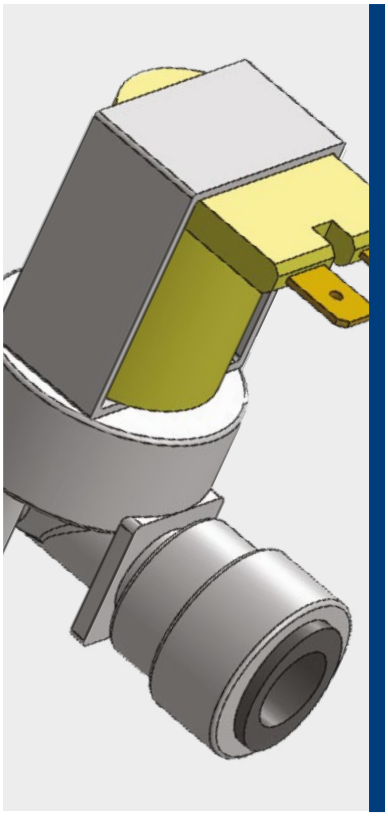
p. 683 / **SH14-B-N**



p. 683 / **SH14-HP-N**



p. 683 / **CN14**



0°C ÷ 60°C environment
0°C ÷ 25°C water
0°C ÷ 90°C water (3/5 min) ON/OFF

Working pressure:
from 0,2 to 10 Bar
Bursting pressure:
80 Bar

Water and fluids suitable with construction materials

Parallel gas BSPP 228
from G1/4" to G2"

ELECTRICAL CONNECTION
Faston connectors 6,3 mm

Body: Nylon (PA66)
Plate: Nylon (PA66)
Guide tube: Nylon (PA66)
diaphragm: Sunaflex T8157
Inlet restrictor washer: Sunaflex T8157
Outlet restrictor washer: Sunaflex T8157
Inlet filter: POM
Inlet restrictor: POM
Outlet restrictor: POM
Piston: Stainless steel
Spring: Stainless steel

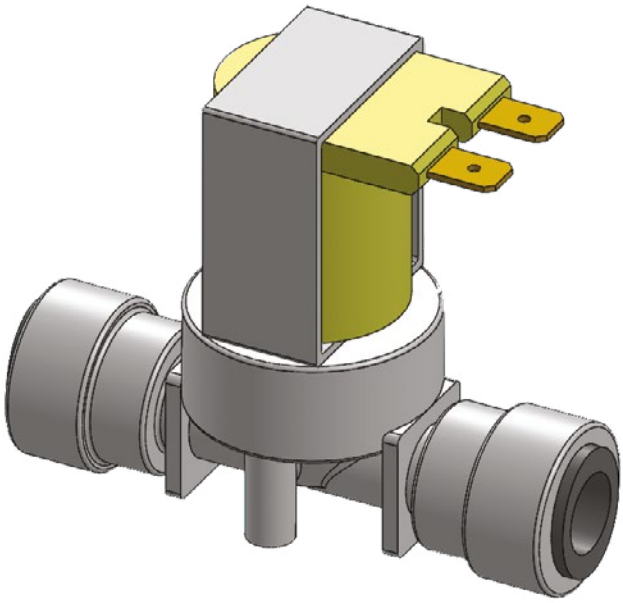
NSF approved product

WRAS approved product

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

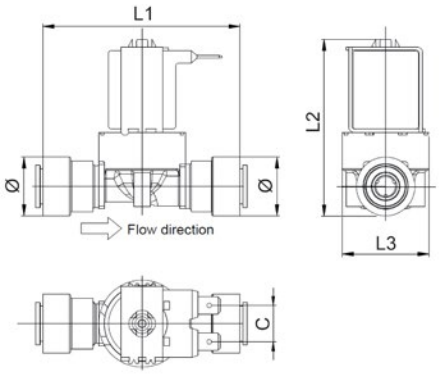
VIEW - SOLENOID VALVE SVP2-CIR-IR



SVP2CIR-IR

Nylon solenoid valve tube - tube 2/2-ways NC, metric tube





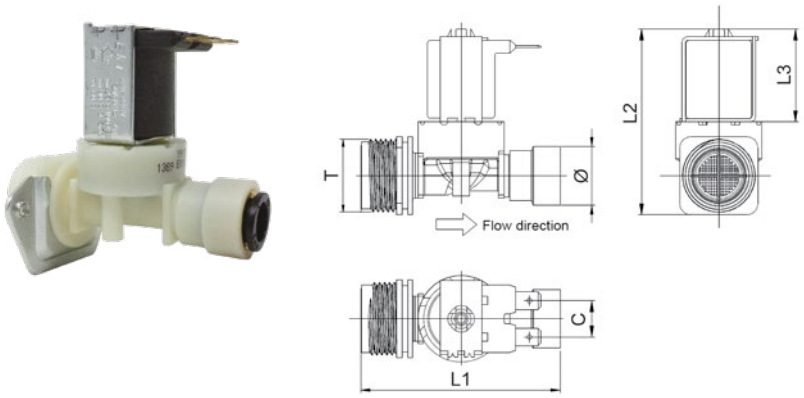
CODE	Ø	INLET CONNECTION	OUTLET CONNECTION	L1	L2	L3	C	FIXING	VOLTAGE
SVP2CIR10IR10M1	21	PUSH-IN SYSTEM Ø10	PUSH-IN SYSTEM Ø10	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CIR10IR10M2	21	PUSH-IN SYSTEM Ø10	PUSH-IN SYSTEM Ø10	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CIR10IR10M5	21	PUSH-IN SYSTEM Ø10	PUSH-IN SYSTEM Ø10	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CIR10IR10M7	21	PUSH-IN SYSTEM Ø10	PUSH-IN SYSTEM Ø10	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CIR10IR10M9	21	PUSH-IN SYSTEM Ø10	PUSH-IN SYSTEM Ø10	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

Nylon solenoid valve tube - tube 2/2-ways NC, inch tube

CODE	Ø	INLET CONNECTION	OUTLET CONNECTION	L1	L2	L3	C	FIXING	VOLTAGE
SVP2CIR3/8IR3/8M1	21	PUSH-IN SYSTEM 3/8"	PUSH-IN SYSTEM 3/8"	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CIR3/8IR3/8M2	21	PUSH-IN SYSTEM 3/8"	PUSH-IN SYSTEM 3/8"	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CIR3/8IR3/8M5	21	PUSH-IN SYSTEM 3/8"	PUSH-IN SYSTEM 3/8"	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CIR3/8IR3/8M7	21	PUSH-IN SYSTEM 3/8"	PUSH-IN SYSTEM 3/8"	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CIR3/8IR3/8M9	21	PUSH-IN SYSTEM 3/8"	PUSH-IN SYSTEM 3/8"	71,0	63,0	31,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

The collet of the solenoid valve for inch tube is grey

SVP2CAL-IR Nylon solenoid valve, male BSPP thread - tube, 2/2 ways NC, metric tube



CODE	Ø	INLET CONNECTION (T)	OUTLET CONNECTION	L1	L2	L3	C	FIXING	VOLTAGE
SVP2CAL34IR10M1	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM Ø10	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CAL34IR10M2	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM Ø10	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CAL34IR10M5	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM Ø10	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CAL34IR10M7	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM Ø10	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CAL34IR10M9	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM Ø10	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

Fixing: Universal bracket with M4 bores

Nylon solenoid valve, male BSPP thread - tube, 2/2 ways NC, inch tube

CODE	Ø	INLET CONNECTION (T)	OUTLET CONNECTION	L1	L2	L3	C	FIXING	VOLTAGE
SVP2CAL34IR3/8M1	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM 3/8"	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CAL34IR3/8M2	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM 3/8"	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CAL34IR3/8M5	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM 3/8"	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CAL34IR3/8M7	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM 3/8"	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CAL34IR3/8M9	21	BSPP THREAD G 3/4"	PUSH-IN SYSTEM 3/8"	71,0	67,0	33,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

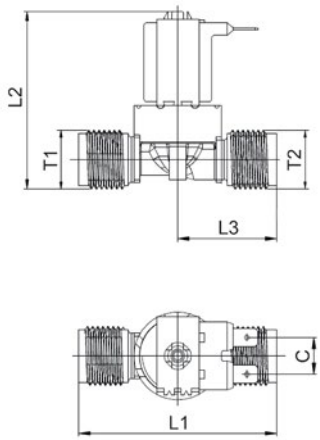
Fixing: Universal bracket with M4 bores

The collet of the solenoid valve for inch tube is grey

SVP2CM-M

Nylon solenoid valve, M/M BSPP thread, 2/2 ways NC





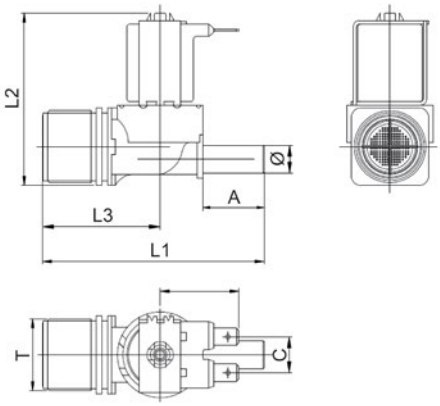
CODE	INLET CONNECTION (T1)	OUTLET CONNECTION (T2)	L1	L2	L3	L4	C	FIXING	VOLTAGE
SVP2CM38M38M1	BSPP THREAD G 3/8"	BSPP THREAD G 3/8"	64,0	60,5	31,9	31,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CM38M38M2	BSPP THREAD G 3/8"	BSPP THREAD G 3/8"	64,0	60,5	31,9	31,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CM38M38M5	BSPP THREAD G 3/8"	BSPP THREAD G 3/8"	64,0	60,5	31,9	31,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CM38M38M7	BSPP THREAD G 3/8"	BSPP THREAD G 3/8"	64,0	60,5	31,9	31,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CM38M38M9	BSPP THREAD G 3/8"	BSPP THREAD G 3/8"	64,0	60,5	31,9	31,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC
SVP2CM12M12M1	BSPP THREAD G 1/2"	BSPP THREAD G 1/2"	70,0	63,0	35,0	31,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CM12M12M2	BSPP THREAD G 1/2"	BSPP THREAD G 1/2"	70,0	63,0	35,0	31,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CM12M12M5	BSPP THREAD G 1/2"	BSPP THREAD G 1/2"	70,0	63,0	35,0	31,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CM12M12M7	BSPP THREAD G 1/2"	BSPP THREAD G 1/2"	70,0	63,0	35,0	31,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CM12M12M9	BSPP THREAD G 1/2"	BSPP THREAD G 1/2"	70,0	63,0	35,0	31,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC
SVP2CM34M34M1	BSPP THREAD G 3/4"	BSPP THREAD G 3/4"	69,0	63,5	34,0	31,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CM34M34M2	BSPP THREAD G 3/4"	BSPP THREAD G 3/4"	69,0	63,5	34,0	31,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CM34M34M5	BSPP THREAD G 3/4"	BSPP THREAD G 3/4"	69,0	63,5	34,0	31,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CM34M34M7	BSPP THREAD G 3/4"	BSPP THREAD G 3/4"	69,0	63,5	34,0	31,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CM34M34M9	BSPP THREAD G 3/4"	BSPP THREAD G 3/4"	69,0	63,5	34,0	31,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

drawings and technical data are not binding & can be changed without notice

SVP2CAL-CL

Nylon solenoid valve, male BSPP thread - stem, 2/2 ways NC



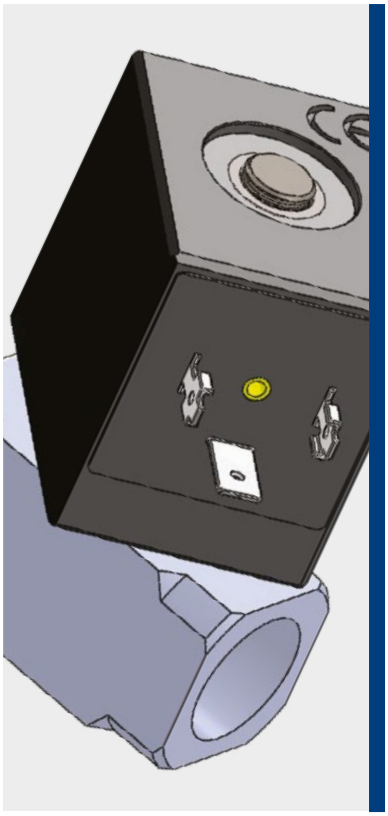


CODE	INLET CONNECTION (T)	OUTLET CONNECTION (Ø)	L1	L2	L3	A	C	FIXING	VOLTAGE
SVP2CAL34CL10M1	BSPP THREAD G 3/4"	STEM Ø10	80,0	62,0	42,5	22,0	13,0	2 BORES Ø 2,7mm	12V DC / AC
SVP2CAL34CL10M2	BSPP THREAD G 3/4"	STEM Ø10	80,0	62,0	42,5	22,0	13,0	2 BORES Ø 2,7mm	24V DC / AC
SVP2CAL34CL10M5	BSPP THREAD G 3/4"	STEM Ø10	80,0	62,0	42,5	22,0	13,0	2 BORES Ø 2,7mm	220/240V AC
SVP2CAL34CL10M7	BSPP THREAD G 3/4"	STEM Ø10	80,0	62,0	42,5	22,0	13,0	2 BORES Ø 2,7mm	110V AC
SVP2CAL34CL10M9	BSPP THREAD G 3/4"	STEM Ø10	80,0	62,0	42,5	22,0	13,0	2 BORES Ø 2,7mm	BISTABLE 5,5 - 12V DC

TierreGroup®
Always a fittings solution



FOLLOW US!



Environment temperature:
-20°C ÷ 95°C
Fluid temperature:
- EPDM: -20°C ÷ 140°C
- FKM: -10°C ÷ 155°C
- PTFE: -30°C ÷ 180°C
- KALREZ: -30°C ÷ 250°C

Working pressure:
See pressure table

Compressed air, vapour, water and fluids suitable with construction materials

Parallel gas BSPP 228 from G1/8" to G1/2"

AVAILABILITY - SVX2
Seals available on request in EPDM, PTFE and Kalrez

Body: Stainless steel AISI 316L
Orifice: Stainless steel AISI 316L
Guide tube: Stainless steel
Plunger: Stainless steel IMRE
Spring: Stainless steel
Insulation: IP 65 with connector
Coil: PA 66 - Ryton (SM5 type)
Seal: FKM

Food contact materials EC 1935/2004

D.M. 174/2004

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

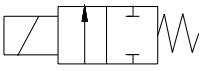
FEATURES
- Connection: EN 175301-803 A;
- Coil insulation class: H;
- Metallic seal between body and guide tube, 360° welding of the tube guide, guarantees endurance and reliability (SVX2);
- O-ring seal between body and guide tube, 360° welding of the tube guide, guarantees endurance and reliability (SVX3);
- 2/2-way & 3/2-way NC direct acting solenoid valve for neutral fluids compatible with food grade FKM and stainless steel AISI 316L;
- There are no minimum working pressure requirements;

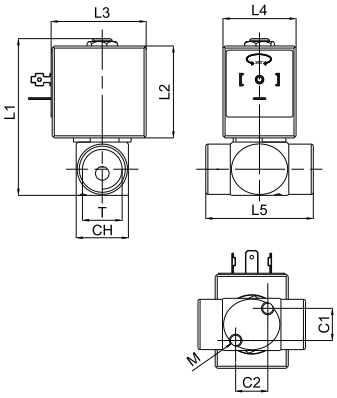
MODEL	TYPE	CODE	THREAD	DN (mm)	KV (m^3/h)	COIL	ΔP BAR			TA. ENV. TEMP. °C	POWER		ALTERNATIVE SEAL		
							MIN	MAX							
								AC	DC		VA AC	W DC	EPDM	PTFE	KALREZ
STANDARD	2/2 NC	SVX2C15G18	G 1/8"	1,5	0,07	SH14/B	0	25	20	80	25	12	✓	✓	✓
		SVX2C30G18	G 1/8"	3	0,2	SH14/B	0	16	12	80	25	12	✓	✓	✓
		SVX2C25G14	G 1/4"	2,5	0,13	SH14/B	0	20	12	80	25	12	✓	✓	✓
		SVX2C40G14	G 1/4"	4	0,38	SH14/HP	0		8	80		25	✓	✓	✓
						SH14	0	15	6	80	32	17	✓	✓	✓
						SH14/B	0	7		80	22		✓	✓	✓
		SVX2C50G38	G 3/8"	5	0,48	SH14/HP	0		5	80		27	✓	✓	✓
						SH14	0	10	2	80	32	17	✓	✓	✓
						SH14/B	0	5		80	22		✓	✓	✓
		SVX2C64G38	G 3/8"	6,4	0,66	SH14/HP	0		4	80		27	✓	✓	✓
						SH14	0	7	1,5	80	32	17	✓	✓	✓
						SH14/B	0	3		80	22		✓	✓	✓
		SVX2C64G12	G 1/2"	6,4	0,66	SH14/HP	0		4	80		27	✓	✓	✓
						SH14	0	7	1,5	80	32	17	✓	✓	✓
						SH14/B	0	3		80	22		✓	✓	✓
	3/2 NC	SVX3C15G18	G 1/8"	1,5	0,07	SH14/B	0	18	18	80	25	12			
		SVX3C25G14	G 1/4"	2,5	0,13	SH14/B	0	10	10	80	25	12			
		SVX3C40G14	G 1/4"	4	0,38	SH14/B	0	4	4	80	25	12			

SVX2

Solenoid valve direct-acting 2/2-ways NC







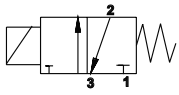
CODE	T	L1	L2	L3	L4	L5	M	C1	C2	CH
SVX2C15G18	G 1/8"	75,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX2C30G18	G 1/8"	75,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX2C25G14	G 1/4"	75,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX2C40G14	G 1/4"	75,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX2C50G38	G 3/8"	75,0	44,0	45,0	35,0	48,0	M6x5	15,4	15,4	25
SVX2C64G38	G 3/8"	75,0	44,0	45,0	35,0	48,0	M6x5	15,4	15,4	25
SVX2C64G12	G 1/2"	75,0	44,0	45,0	35,0	52,0	M6x5	15,4	15,4	25

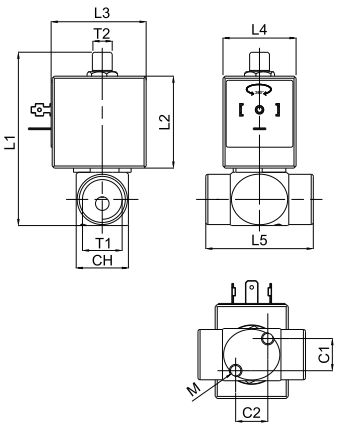
SVX2: With vapour the maximum recommended pressure is 6 Bar

SVX3

Solenoid valve direct-acting 3/2-ways NC





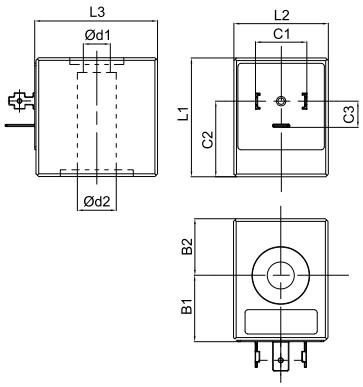


CODE	T1	T2	L1	L2	L3	L4	L5	M	C1	C2	CH
SVX3C15G18	G 1/8"	G 1/8"	85,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX3C25G14	G 1/4"	G 1/8"	85,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25
SVX3C40G14	G 1/4"	G 1/8"	85,0	44,0	45,0	35,0	45,0	M6x5	15,4	15,4	25

SVX3: With vapour the maximum recommended pressure is 5 Bar

SH14-N — Coil

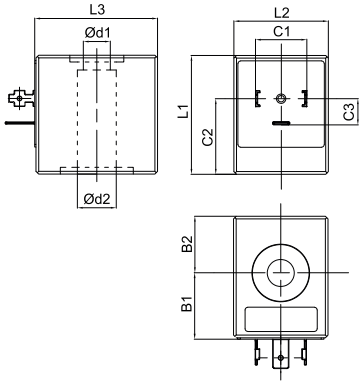




CODE	Ød1	Ød2	L1	L2	L3	B1	B2	C1	C2	C3	VOLTAGE
SH14AC24-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	24V AC
SH14AC110-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	110V AC
SH14AC220-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	230V AC
SH14AC240-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	220/240V AC
SH14DC12-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	12V DC
SH14DC24-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	24V DC

SH14-B-N — Low absorption coil

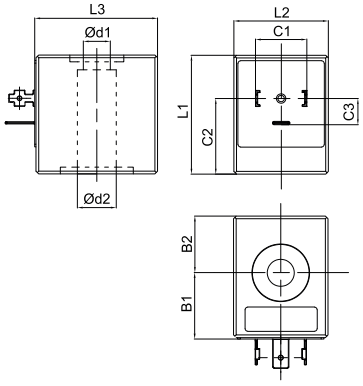




CODE	Ød1	Ød2	L1	L2	L3	B1	B2	C1	C2	C3	VOLTAGE
SH14AC24/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	24V AC
SH14AC110/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	110V AC
SH14AC220/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	230V AC
SH14AC240/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	220/240V AC
SH14DC12/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	12V DC
SH14DC24/B-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	24V DC

SH14-HP-N — High performance coil





CODE	Ød1	Ød2	L1	L2	L3	B1	B2	C1	C2	C3	VOLTAGE
SH14DC12/HP-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	12V DC
SH14DC24/HP-N	10	14,4	44,0	35,0	46,0	25	21	19	28	9,5	24V DC

CN14 — Connector

CODE	ELECTRIC CONNECTOR
CN14	DIN 43650



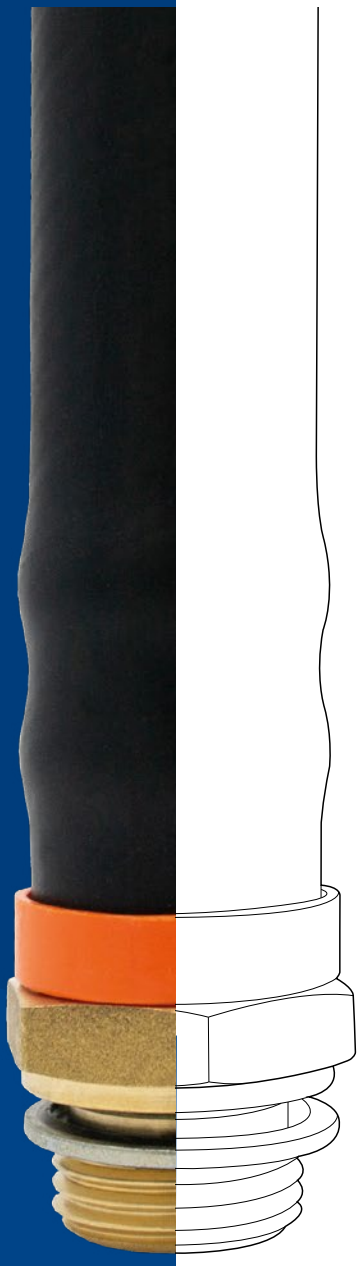
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TECHNICAL TUBES



TECHNICAL INDEX



p. 689

POLYURETHANE TUBE ON POLYESTER BASIS

Material: Polyurethane tube on polyester basis
Temperature: from -20°C to 60°C
Range Ø: 3x2 - 16x12



p. 693

HIGH QUALITY POLYURETHANE TUBE ON POLYESTER BASIS

Material: Polyurethane tube on polyester basis
Temperature: from -30°C to 80°C*
Range Ø: 4x2,5 - 16x11



p. 699

POLYURETHANE TUBE ON POLYETHER BASIS

Material: Polyurethane on polyether basis
Temperature: from -30°C to 60°C*
Range Ø: 4x2,5 - 16x11



p. 703

ANTISTATIC POLYURETHANE TUBE

Material: Polyurethane on polyester basis
Temperature: from -30°C to 80°C*
Range Ø: 4x2,5 - 12x9



p. 707

ANTI-SPARK POLYURETHANE TUBE FLAMEX HYBRID

Material: Anti-spark polyurethane FH
Temperature: from -30°C to 100°C*
Range Ø: 10x6 - 16x11 (PUFW)
4x2 - 16x11 (PUFA & PUFH)



p. 715

SELF-EXTINGUISHING POLYURETHANE TUBE

Material: Flame retardants polyurethane without halogen
Temperature: from -30°C to 100°C*
Range Ø: 6x4 - 16x11



p. 719

POLYAMIDE TUBE PA12

Material: Polyamide
Temperature: from -40°C to 80°C
Range Ø: 4x2 - 16x14



p. 725

POLYETHYLENE TUBE

W270 KTW

Material: Polyethylene
Temperature: from -29°C to 66°C
Range Ø: 4x2,5 - 12x9



p. 729

CALIBRATED PTFE TUBE

Material: Calibrated teflon PTFE
Temperature: from -70°C to 260°C
Range Ø: 4x2 - 16x13

drawings and technical data are not binding & can be changed without notice

TECHNICAL INDEX



p. 733

CALIBRATED FEP TUBE

Material: Calibrated FEP
Temperature: from -60°C to 200°C
Range Ø: 3x1,5 - 8x6



p. 737

SILICONE TUBE

Material: Silicone
Temperature: from -60°C to 200°C
Range Ø: 5x3 - 15x12



p. 741

PVC CRYSTAL CLEAR TUBE

Material: Single layer transparent PVC
Temperature: from -10°C to 50°C
Range Ø: 6x4 - 33x25



p. 745

PVC CRYSTAL REINFORCED TUBE

Material: Double layer PVC with high tenacity polyester reinforcement
Temperature: from -20°C to 60°C
Range Ø: 12x6 - 33x25



p. 749

POLYURETHANE TUBE WITH NON-TOXIC PVC INNER LAYER

Material: PVC, polyurethane and synthetic textile insert
Temperature: from -20°C to 60°C
Range Ø: 10x6 - 19x13



p. 753

PVC TUBE WITH POLYESTER FIBRE REINFORCEMENT

Material: Black PVC and polyester synthetic textile insert
Temperature: from -20°C to 60°C
Range Ø: 14x6 - 28x19



p. 757

COILED TUBES & ACCESSORIES

Materials: Thermoplastic polyurethane on polyester basis (UCES)
Temperature: from -40°C to 60°C (UCES)
Range Ø: G1/4" and G3/8" (UCES-G)



p. 767

PUSH-LOCK HOSES & FITTINGS

Materials: Synthetic rubber and textile layer (ASR & ASR-HH)
Polyurethane and textile layer (ASR-PU)
Range Ø: 6-25 (ASR)
6-16 (ASR-HH)
6-20 (ASR-PU)

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FOLLOW US!

TECHNICAL TUBES
POLYURETHANE TUBE ON POLYESTER BASIS

PLUS

- EXCELLENT FLEXIBILITY ALLOWS A GREAT BENDING RADIUS
- LIGHT, DURABLE AND ABRASION RESISTANT
- IDEAL FOR PNEUMATIC CONNECTIONS IN TIGHT SPACES
- WIDE RANGE OF COLOURS AVAILABLE WHICH ALLOWS TO DIVERSIFY CIRCUITS



p. 691 / **PUES**



p. 692 / **PUES-BX**



-20°C ÷ 60°C

Working pressure:
from Ø3x2 to Ø12x9: 10 Bar
Ø14x10 and Ø16x12: 8 Bar

Bursting pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & vacuum
(do not use with water)

HARDNESS
Shore 98 A

Material: Polyurethane on polyester basis

FEATURES
The polyurethane tube on polyester basis has a high flexibility at low temperatures and good resistance to wear and chemicals.

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUES

Polyurethane tube on polyester basis



CODE	Ø ODxID	ØOD TOLERANCE	THICKNESS (mm)	MIN. BENDING RADIUS AT 23°C (mm)	WORKING PRESSURE AT 23°C (Bar)	BURST PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUES0302	3x2	±0,1	0,5	8	10	30	12	100
PUES0425	4x2,5	±0,1	0,75	12	10	30	13	100
PUES0604	6x4	±0,1	1	15	10	25	25,5	100
PUES0805	8x5	±0,1	1,5	20	10	25	44,6	100
PUES0855	8x5,5	±0,1	1,25	20	10	25	37,5	100
PUES1065	10x6,5	±0,15	1,75	25	10	25	65,2	100
PUES1007	10x7	±0,15	1,5	25	10	25	61,0	100
PUES1208	12x8	±0,15	2	35	10	25	80,8	100
PUES1209	12x9	±0,15	1,5	35	10	25	72,0	100
PUES1410	14x10	±0,15	2	45	8	18	146,0	50
PUES1612	16x12	±0,15	2	60	8	16	128,8	50

Sizes ODxID	Light blue	Black	Red	Yellow	Green	Grey	Transparent	Transparent light blue
3x2	PUES0302AZ							
4x2,5	PUES0425AZ	PUES0425NE	PUES0425RO	PUES0425GL	PUES0425VD	PUES0425SL	PUES0425TR	PUES0425AZTR
6x4	PUES0604AZ	PUES0604NE	PUES0604RO	PUES0604GL	PUES0604VD	PUES0604SL	PUES0604TR	PUES0604AZTR
8x5	PUES0805AZ			PUES0805GL				
8x5,5	PUES0855AZ	PUES0855NE	PUES0855RO	PUES0855GL	PUES0855VD	PUES0855SL	PUES0855TR	PUES0855AZTR
10x6,5	PUES1065AZ			PUES1065GL				
10x7	PUES1007AZ	PUES1007NE	PUES1007RO	PUES1007GL	PUES1007VD	PUES1007SL	PUES1007TR	PUES1007AZTR
12x8	PUES1208AZ	PUES1208NE		PUES1208GL			PUES1208TR	
12x9	PUES1209AZ	PUES1209NE	PUES1209RO	PUES1209GL	PUES1209VD	PUES1209SL	PUES1209TR	PUES1209AZTR
14x10	PUES1410AZ						PUES1410TR	
16x12	PUES1612AZ							

PUES-BX

Polyurethane tube on polyester base in 25m box



Sizes ODxID	Light blue	Black	Red	Yellow	Green	Grey	Transparent	Transparent light blue
3x2	PUES0302AZ-25BX							
4x2,5	PUES0425AZ-25BX	PUES0425NE-25BX	PUES0425RO-25BX	PUES0425GL-25BX	PUES0425VD-25BX	PUES0425SL-25BX	PUES0425TR-25BX	PUES0425AZTR-25BX
6x4	PUES0604AZ-25BX	PUES0604NE-25BX	PUES0604RO-25BX	PUES0604GL-25BX	PUES0604VD-25BX	PUES0604SL-25BX	PUES0604TR-25BX	PUES0604AZTR-25BX
8x5	PUES0805AZ-25BX			PUES0805GL-25BX				
8x5,5	PUES0855AZ-25BX	PUES0855NE-25BX	PUES0855RO-25BX	PUES0855GL-25BX	PUES0855VD-25BX	PUES0855SL-25BX	PUES0855TR-25BX	PUES0855AZTR-25BX
10x6,5	PUES1065AZ-25BX			PUES1065GL-25BX				
10x7	PUES1007AZ-25BX	PUES1007NE-25BX	PUES1007RO-25BX	PUES1007GL-25BX	PUES1007VD-25BX	PUES1007SL-25BX	PUES1007TR-25BX	PUES1007AZTR-25BX
12x8	PUES1208AZ-25BX	PUES1208NE-25BX		PUES1208GL-25BX			PUES1208TR-25BX	
12x9	PUES1209AZ-25BX	PUES1209NE-25BX	PUES1209RO-25BX	PUES1209GL-25BX	PUES1209VD-25BX	PUES1209SL-25BX	PUES1209TR-25BX	PUES1209AZTR-25BX

drawings and technical data are not binding & can be changed without notice

TECHNICAL TUBES
HIGH QUALITY POLYURETHANE TUBE ON POLYESTER BASIS

PLUS

- VERY FLEXIBLE WITH EXCELLENT RESILIENCE PROPERTIES
- PLASTICIZER FREE
- EXCELLENT FLEXIBILITY EVEN AT LOW TEMPERATURES (UP TO -35°C)
- GOOD ABRASION RESISTANCE
- CAN BE USE INSIDE CABLE DRAG CHAINS
- SUITABLE FOR PNEUMATICS APPLICATIONS AND VACUUMS



p. 695 / **PUHQ**



p. 696 / **PUHQ-BLNE**



Environment temperature:
-30°C ÷ 80°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Bursting pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & vacuum

HARDNESS
Shore 98 A

Material: Polyurethane on polyester basis

FEATURES
- Stress at max. elongation (DIN53504-S2): 14 MPa
- Tensile strength (DIN53504-S2): 50 MPa
- Abrasion (DIN4649-A): 30 mm^3
- Density (DIN EN ISO 1183-1-A): 1,22 g/cm^3
- Impact value (Charpy) -30°C / +23°C (DIN EN ISO 179-1): 25 KJ/m^2

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUHQ-100m

High quality polyurethane tube on polyester basis with 100m roll



CODE	Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	MIN. BURST PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUHQ0425	4x2,5	0,75	12	38	9,33	100
PUHQ0604	6x4	1	18	34	19,16	100
PUHQ0857	8x5,7	1,15	30	32	30,19	100
PUHQ1075	10x7,5	1,25	45	26	41,92	100
PUHQ1209	12x9	1,5	55	27	60,37	100
PUHQ1411	14x11	1,5	60	23	71,86	100

Sizes ODxID	Blue	Black
4x2,5	PUHQ0425BL	PUHQ0425NE
6x4	PUHQ0604BL	PUHQ0604NE
8x5,7	PUHQ0857BL	PUHQ0857NE
10x7,5	PUHQ1075BL	PUHQ1075NE
12x9	PUHQ1209BL	PUHQ1209NE
14x11	PUHQ1411BL	PUHQ1411NE

drawings and technical data are not binding & can be changed without notice

PUHQ-25m

High quality polyurethane tube on polyester basis with 25m roll



CODE	Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	MIN. BURST PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUHQ0425-25	4x2,5	0,75	12	38	9,33	25
PUHQ0604-25	6x4	1	18	34	19,16	25
PUHQ0857-25	8x5,7	1,15	30	32	30,19	25
PUHQ1075-25	10x7,5	1,25	45	26	41,92	25
PUHQ1209-25	12x9	1,5	55	27	60,37	25
PUHQ1411-25	14x11	1,5	60	23	71,86	25
PUHQ1611-25	16x11	2,5	65	39	129,36	25

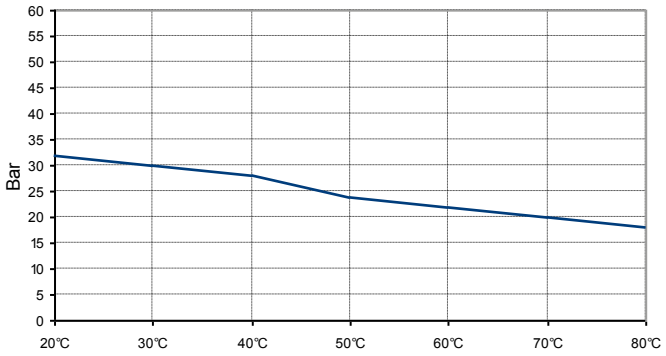
Sizes ODxID	Blue	Black
4x2,5	PUHQ0425BL-25	PUHQ0425NE-25
6x4	PUHQ0604BL-25	PUHQ0604NE-25
8x5,7	PUHQ0857BL-25	PUHQ0857NE-25
10x7,5	PUHQ1075BL-25	PUHQ1075NE-25
12x9	PUHQ1209BL-25	PUHQ1209NE-25
14x11	PUHQ1411BL-25	PUHQ1411NE-25
16x11	PUHQ1611BL-25	PUHQ1611NE-25

drawings and technical data are not binding & can be changed without notice

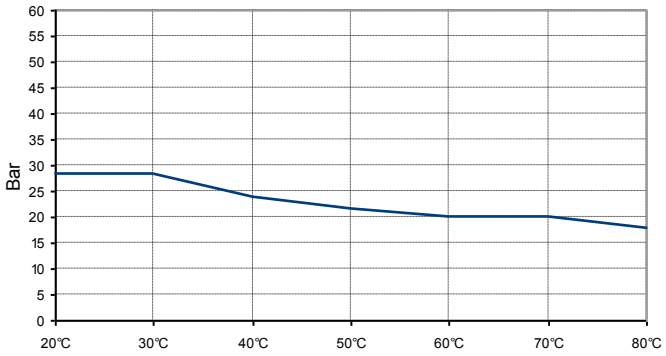
WORKING PRESSURE - PUHQ

Limit of pressure load depending on temperature

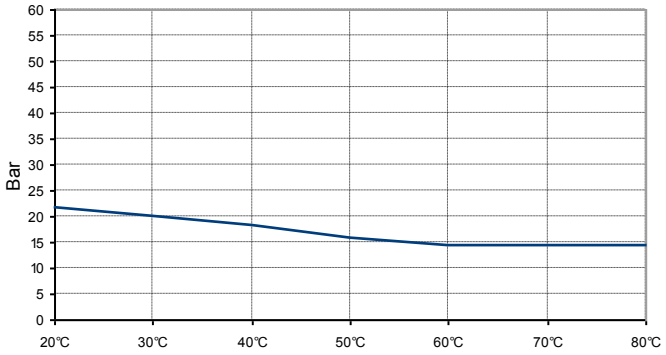
4x2,5



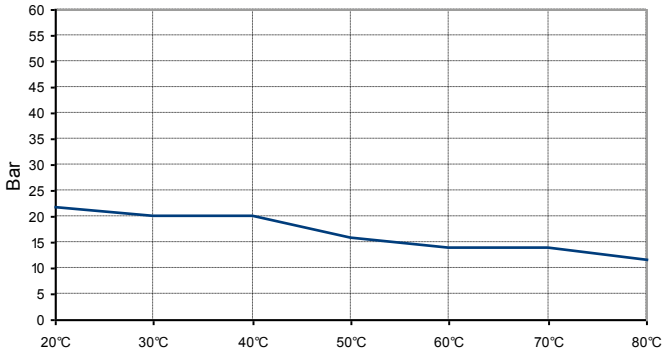
6x4



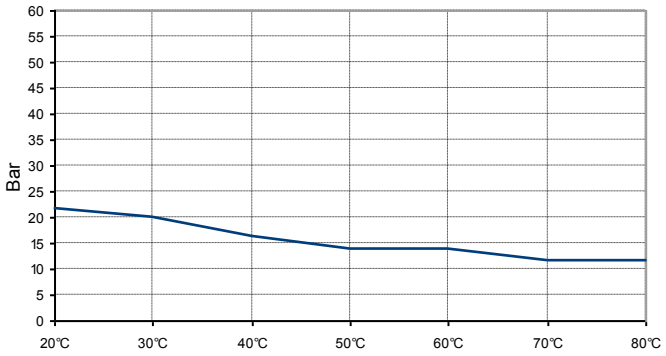
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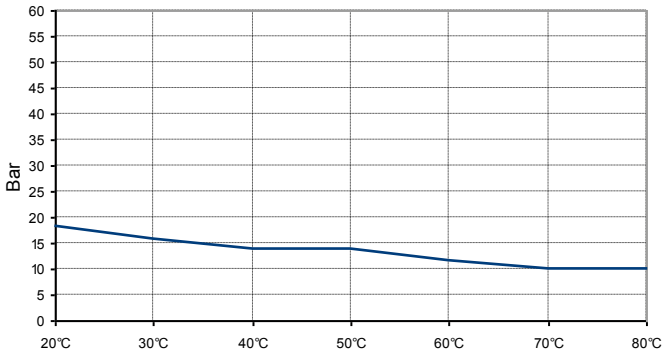
10x7,5



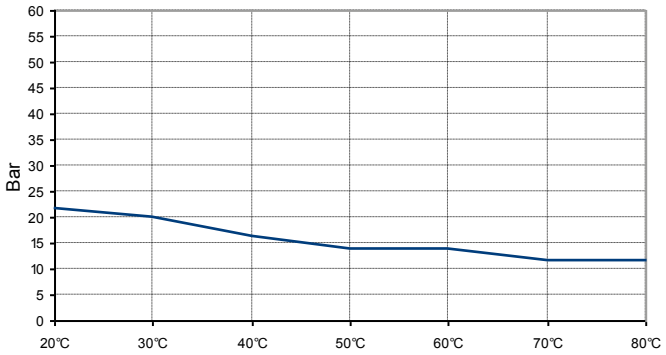
12x9



14x11



16x11



PUHQ-BLNE

High quality twin polyurethane tubes on polyester basis

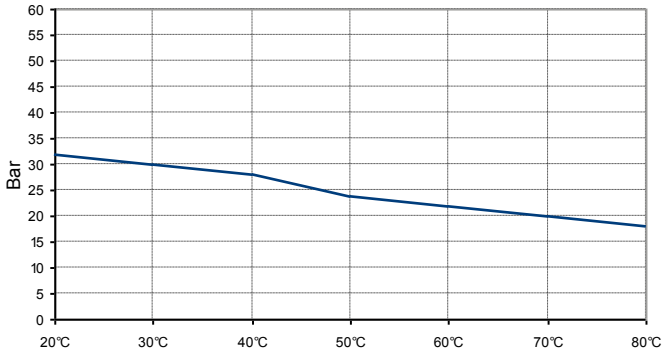


CODE	Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	MIN. BURST PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUHQ0425BLNE	4x2,5	0,75	12	38	18,66	50
PUHQ0604BLNE	6x4	1	18	34	38,32	50
PUHQ0806BLNE	8x5,7	1,15	27	34	64,66	50
PUHQ1075BLNE	10x7,5	1,25	45	26	83,84	50

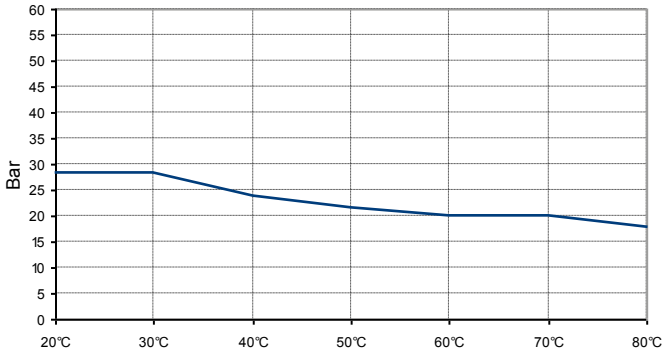
WORKING PRESSURE - PUHQ-BLNE

Limit of pressure load depending on temperature

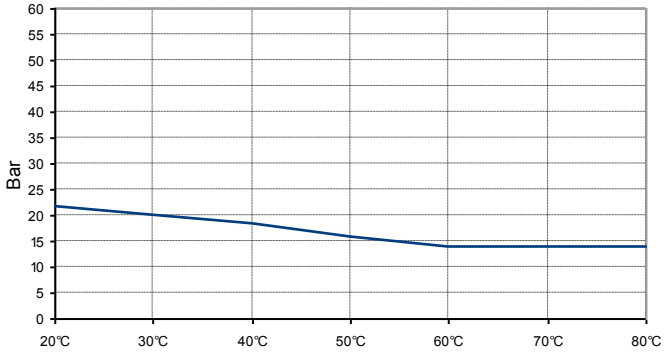
4x2,5



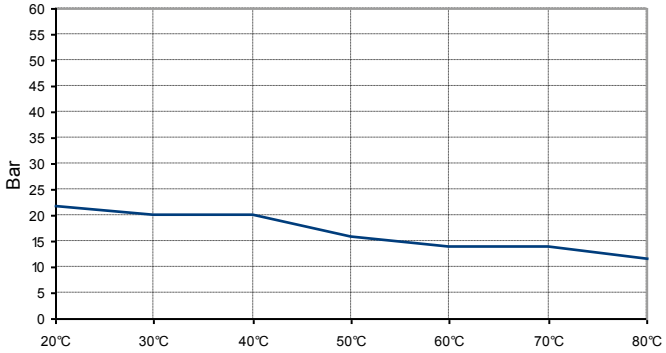
6x4



8x6



10x7,5



TECHNICAL TUBES
POLYURETHANE TUBE ON POLYETHER BASIS





PLUS

RESISTANT TO HYDROLYSIS AND SUITABLE WITH FLUIDS

MICROBE RESISTANT, CAN ALSO BE USED FOR EXTERNAL APPLICATIONS

COMPLIES WITH THE HYGIENE REQUIREMENTS FOR CONTACT AREAS OF MACHINERY RELATED TO INDUSTRIAL PROCESSING AS REQUIRED BY DIN EN 1672-2 REGULATION

SUITABLE FOR FOOD FLUIDS

GOOD RESISTANCE TO ABRASION AND TO MANY CHEMICALS

IDEAL FOR USE IN CABLE DRAG CHAINS AND SUITABLE FOR USE IN SEATHED CABLE BUNDLES



p. 701 / **PUET**



Environment temperature:
-30°C ÷ 60°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air, vacuum and fluids suitable with construction materials

Material: Polyurethane on polyether basis

FEATURES

- Stress at max. elongation (DIN53504-S2): 15 MPa
- Tensile strength (DIN53504-S2): 50 MPa
- Abrasion (DIN4649-A): 25 mm^3
- Density (DIN EN ISO 1183-1-A): 1,16 g/cm^3
- Impact value (Charpy) -30°C / +23°C (DIN EN ISO 179-1): 190 KJ/m^2

Food contact materials EC 1935/2004 Transparent red and light blue colours

D.M. 174/2004 Transparent red and light blue colours

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUET

Polyurethane tube on polyether basis



CODE	Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUET0425	4x2,5	0,75	12	40	8,88	50
PUET0639	6x3,9	1,05	15	34	18,84	50
PUET0855	8x5,5	1,25	25	31	30,75	50
PUET1007	10x7	1,5	40	27	46,46	50
PUET1208	12x8	2	35	32	72,88	50
PUET1410	14x10	2	55	25	87,46	50
PUET1611	16x11	2,5	55	27	122,99	50

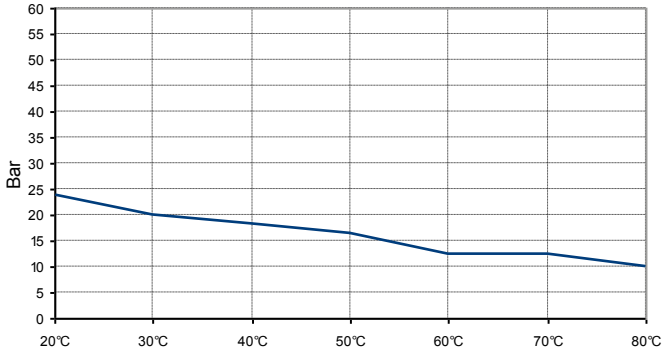
Misure ODxID	Transparent red	Transparent light blue	Transparent	Transparent black
4x2,5	PUET0425ROTR	PUET0425AZTR	PUET0425TR	PUET0425NETR
6x3,9	PUET0639ROTR	PUET0639AZTR	PUET0639TR	PUET0639NETR
8x5,5	PUET0855ROTR	PUET0855AZTR	PUET0855TR	PUET0855NETR
10x7	PUET1007ROTR	PUET1007AZTR	PUET1007TR	PUET1007NETR
12x8	PUET1208ROTR	PUET1208AZTR	PUET1208TR	PUET1208NETR
14x10	PUET1410ROTR	PUET1410AZTR	PUET1410TR	PUET1410NETR
16x11	PUET1611ROTR	PUET1611AZTR	PUET1611TR	PUET1611NETR

drawings and technical data are not binding & can be changed without notice

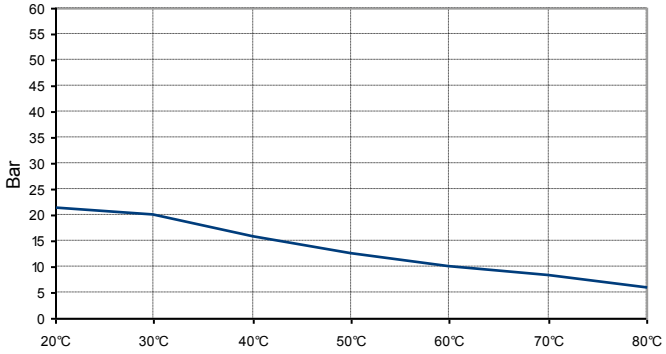
WORKING PRESSURE - PUET

Limit of pressure load depending on temperature

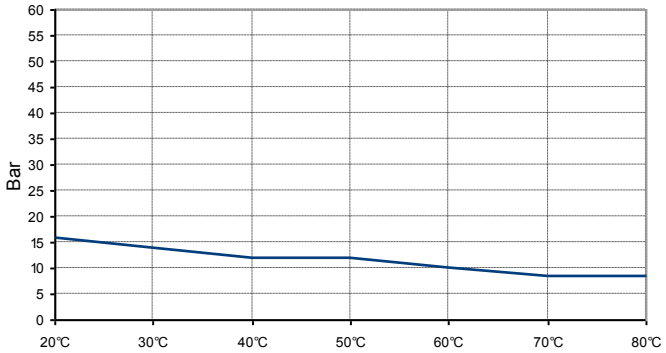
4x2,5



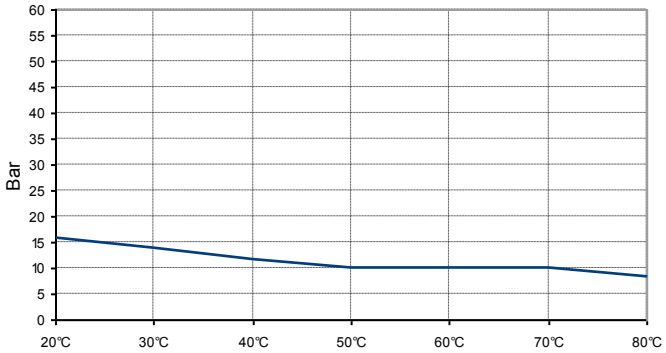
6x3,9



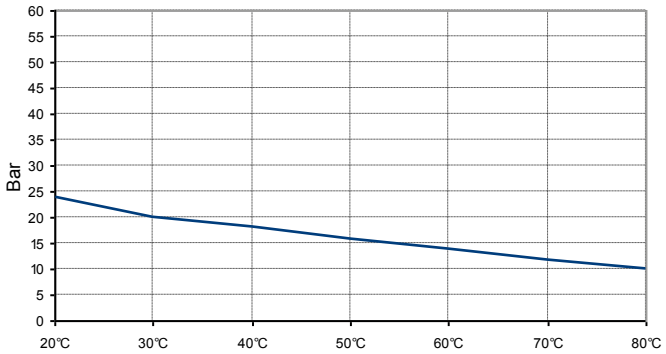
8x5,5



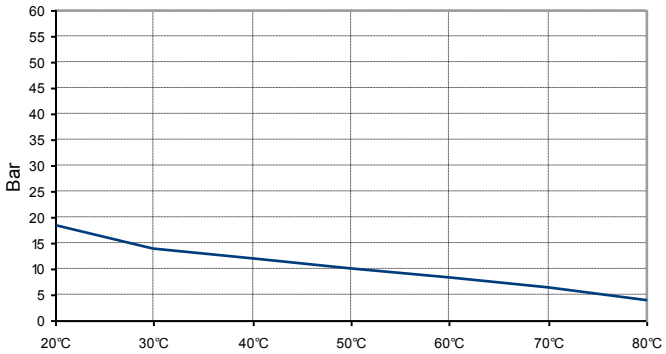
10x7



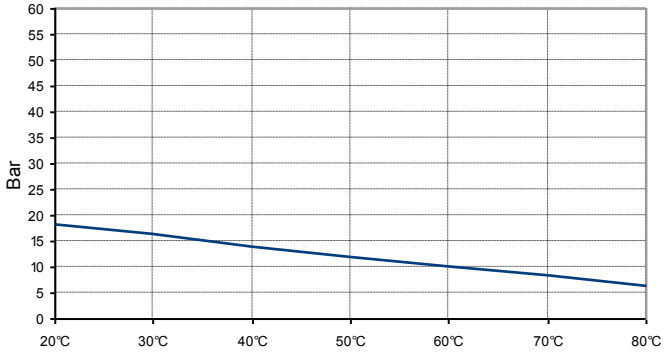
12x8



14x10



16x11



drawings and technical data are not binding & can be changed without notice

TECHNICAL TUBES ANTISTATIC POLYURETHANE TUBE

PLUS

- HIGH ANTISTATIC PROTECTION WITH SUPERFICIAL RESISTANCE BETWEEN 10 AND 1000 KΩ
- EXCELLENT CRUSHING RESISTANCE
- RESISTANT TO MICROBES AND HYDROLYSIS
- GREAT UV RESISTANCE
- SUITABLE FOR PNEUMATICS AND VACUUMS



p. 705 / **PUAS**



Environment temperature:
-30°C ÷ 80°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air, vacuum, water and fluids suitable with construction materials

Material: Antistatic polyurethane

FEATURES

The PUAS tube is perfect for all applications areas where antistatic material is mandatory, (for example in the production of electronical components, in the surface refinement industry or in areas where explosion proof is necessary).

Is conform to the ATEX guideline 94/9/EG.

Density (DIN EN ISO 1183-1-A):
1,24 g/cm^3

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUAS

Antistatic polyurethane tube



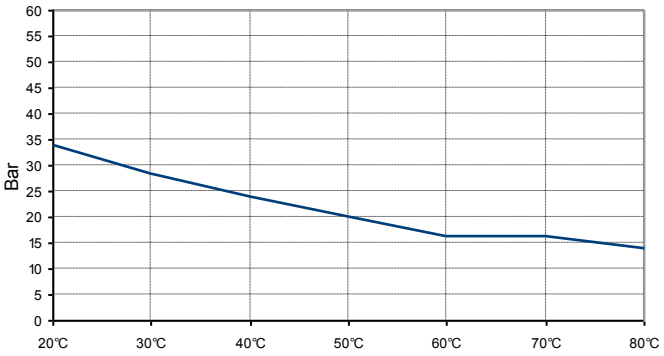
CODE	Ø ODxID	THICKNESS (mm)	BENDING RADIUS (mm)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUAS0425	4x2,5	0,75	9	45	9,5	50
PUAS0639	6x3,9	1,05	15	39	20,25	50
PUAS0857	8x5,7	1,15	28	31	30,69	50
PUAS1075	10x7,5	1,25	35	30	42,61	50
PUAS1209	12x9	1,5	50	29	61,36	50

Sizes ODxID	Black
4x2,5	PUAS0425NE
6x3,9	PUAS0639NE
8x5,7	PUAS0857NE
10x7,5	PUAS1075NE
12x9	PUAS1209NE

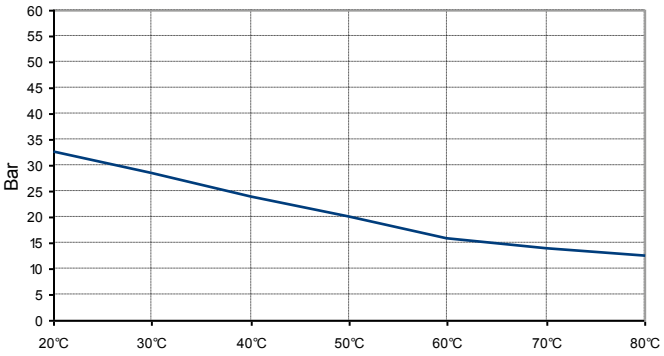
WORKING PRESSURE - PUAS

Limit of pressure load depending on temperature

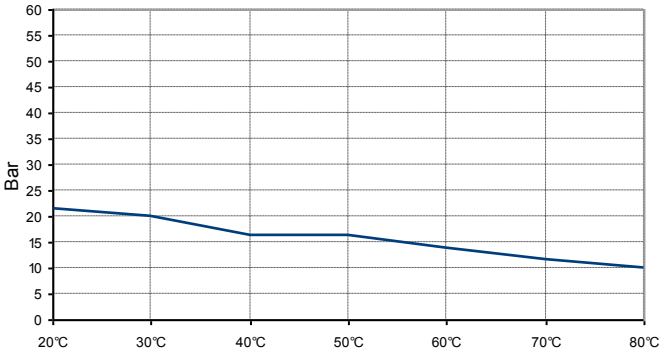
4x2,5



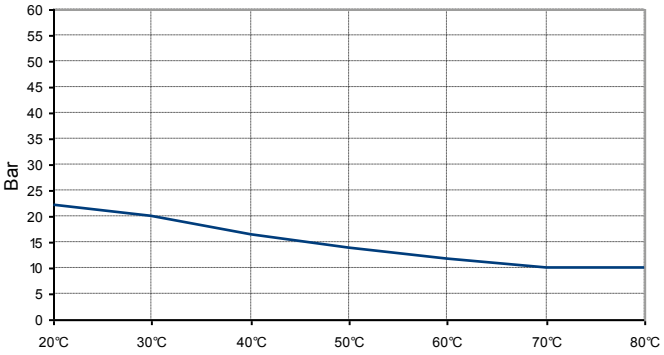
6x3,9



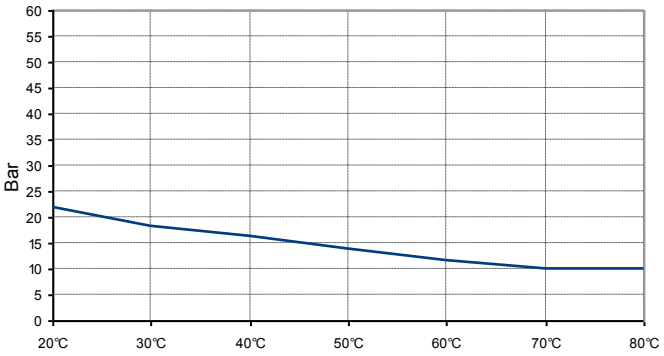
8x5,7



10x7,5



12x9



TECHNICAL TUBES
ANTI-SPARK POLYURETHANE TUBE FLAMEX HYBRID

PLUS

- EXTREMELY RESISTANT TO ALL TYPES OF WELDING SPATTER AND SPARKS ENSURING DURABILITY OVER TIME
- HALOGEN-FREE, FIRE-RESISTANT AND SELF-EXSTINGUISHING IN CASE OF FIRE
- FIRE RESISTANCE CLASSIFICATION LISTED UL94 FROM V2 TO V0
- EASY AND FAST INSTALLATION WITH PUSH-IN FITTINGS THANKS TO MONOLAYER SURFACE
- MICROBE RESISTANT AND EXCELLENT CHEMICAL RESISTANCE (TO MOST DETERGENTS AND SOLVENTS)
- EXCELLENT UV RESISTANCE
- EXCELLENT ABRASION RESISTANCE, CAN BE USED INSIDE CABLE DRAG CHAINS
- RECYCABLE, APPROVED FOR DISPOSAL WITH COMMERCIAL WASTE



p. 709 / **PUFA**



p. 711 / **PUFW**



p. 713 / **PUFH**



Environment temperature:
-30°C ÷ 100°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & vacuum

Material: Halogen-free and anti-spark polyurethane Flamex Hybrid

FEATURES

Our PUFA tube, special for air and other gasses, has excellent durability, strength and good material flexibility for smaller bending radii. The tube offers reliable protection against weld spatter and flying sparks. In the event of a fire, the material is self-extinguishing, which further increases workplace safety in industry or commerce.

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

PUFA

Anti-spark polyurethane tube flamex hybrid for air



CODE	Ø ODxID	THICKNESS (mm)	BENDING RADIUS (mm)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUFA0402	4x2	1	7	40	12	50
PUFA0804	8x4	2	15	47	48	50
PUFA1006	10x6	2	20	36	63	50
PUFA1208	12x8	2	28	30	78	50
PUFA1410	14x10	2	50	32	96	50
PUFA1611	16x11	2,5	55	34	135	50

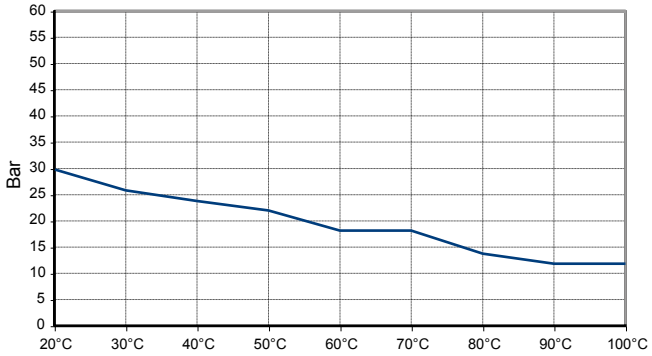
Sizes ODxID	Light blue	White
4x2	PUFA0402AZ	PUFA0402BO
8x4	PUFA0804AZ	PUFA0804BO
10x6	PUFA1006AZ	PUFA1006BO
12x8	PUFA1208AZ	PUFA1208BO
14x10	PUFA1410AZ	PUFA1410BO
16x11	PUFA1611AZ	PUFA1611BO

drawings and technical data are not binding & can be changed without notice

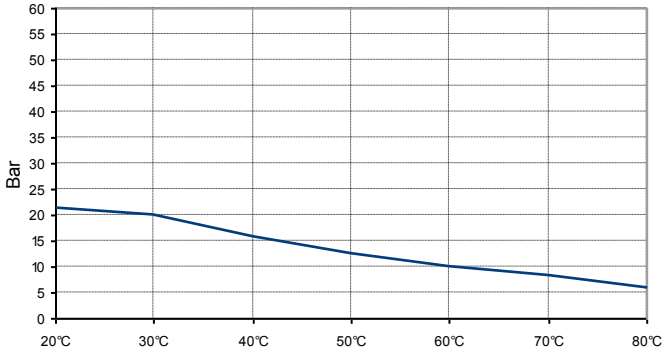
WORKING PRESSURE - PUFA

Limit of pressure load depending on temperature

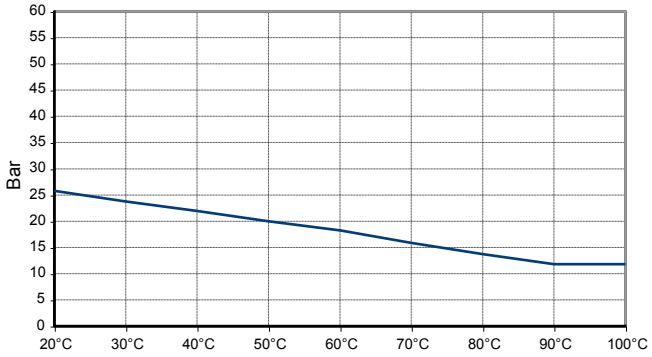
4x2



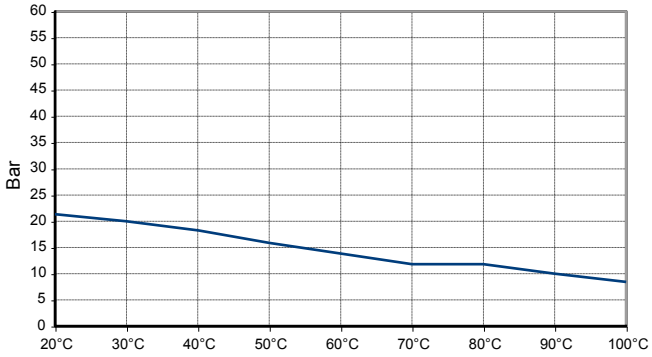
8x4



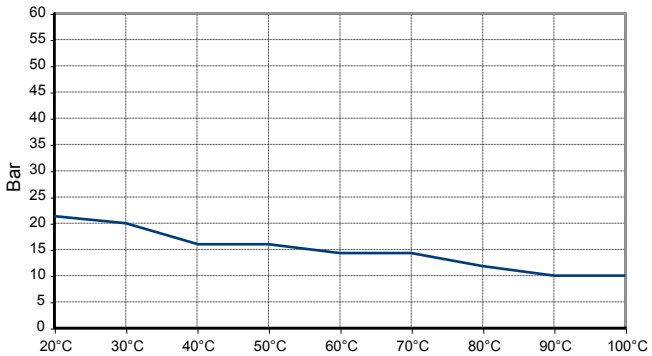
10x6



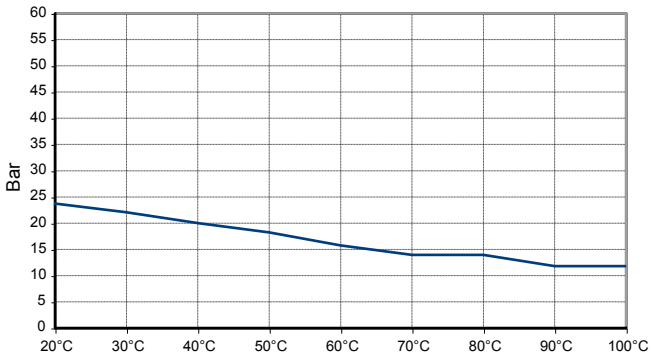
12x8



14x10



16x11





Environment temperature:
-30°C ÷ 100°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Water, compressed air, vacuum and fluids suitable with construction materials

Material: Halogen-free and anti-spark polyurethane Flamex Hybrid

FEATURES

Our PUFW tube, special for water and other liquids, has excellent resistance in difficult work environments. The tube offers reliable protection against weld spatter near welding facilities and against flying sparks from grinding machines. In the event of a fire, the material is self-extinguishing, which further increases workplace safety in industry or commerce.

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

PUFW

Anti-spark polyurethane tube flamex hybrid for water and fluids



CODE	Ø ODxID	THICKNESS (mm)	BENDING RADIUS (mm)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUFW1006	10x6	2	20	29	60	50
PUFW1208	12x8	2	27	27	75	50
PUFW1410	14x10	2	50	25	90	50
PUFW1611	16x11	2,5	58	27	125	50

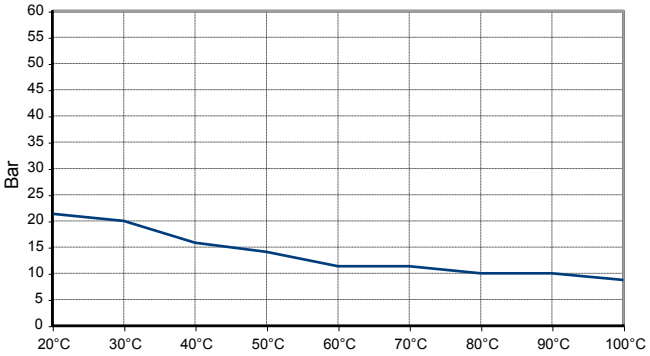
Sizes ODxID	Red	Green
10x6	PUFW1006RO	PUFW1006VD
12x8	PUFW1208RO	PUFW1208VD
14x10	PUFW1410RO	PUFW1410VD
16x11	PUFW1611RO	PUFW1611VD

drawings and technical data are not binding & can be changed without notice

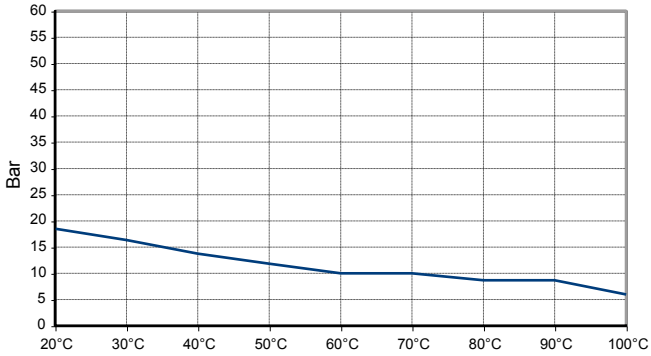
WORKING PRESSURE - PUFW

Limit of pressure load depending on temperature

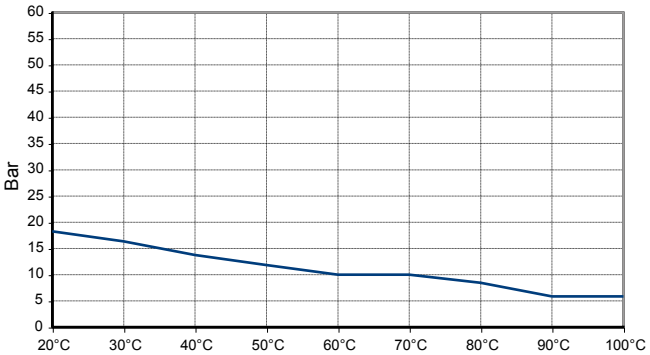
10x6



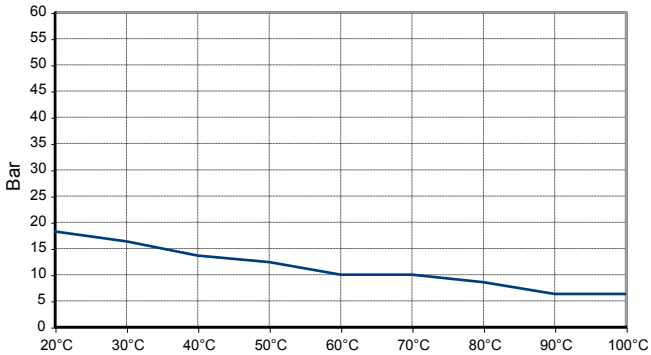
12x8



14x10



16x11





Environment temperature:
-30°C ÷ 100°C
The working temperature depends on the working pressure.

Working pressure:
See pressure charts

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air, water, vacuum and fluids suitable with construction materials

Material: Halogen-free and anti-spark polyurethane Flamex Hybrid

FEATURES

Our PUFH hose, can withstand extreme stress thanks to the quality of the material it is made out of. The most important features are its resistance to maximum pressure whilst being in a vacuum and its resistance to welding spatter and flying sparks. In the event of a fire, the material is self-extinguishing, which further increases workplace safety in industry or commerce.

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUFH

Anti-spark polyurethane tube flamex hybrid for air & fluids



CODE	Ø ODxID	THICKNESS (mm)	BENDING RADIUS (mm)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUFH0402	4x2	1	7	60	12	50
PUFH0804	8x4	2	15	65	48	50
PUFH1006	10x6	2	20	51	64	50
PUFH1208	12x8	2	28	44	80	50
PUFH1410	14x10	2	45	38	96	50
PUFH1611	16x11	2,5	55	37	135	50

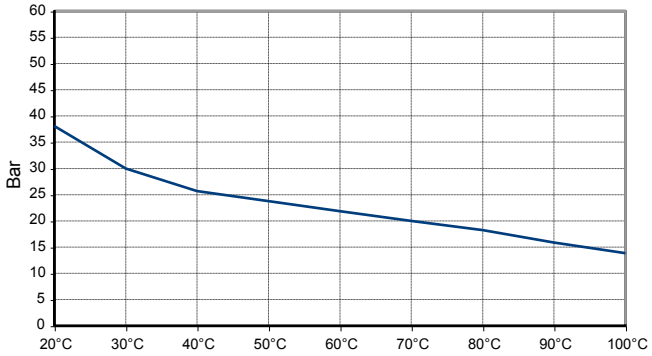
Sizes ODxID	Black
4x2	PUFH0402
8x4	PUFH0804
10x6	PUFH1006
12x8	PUFH1208
14x10	PUFH1410
16x11	PUFH1611

drawings and technical data are not binding & can be changed without notice

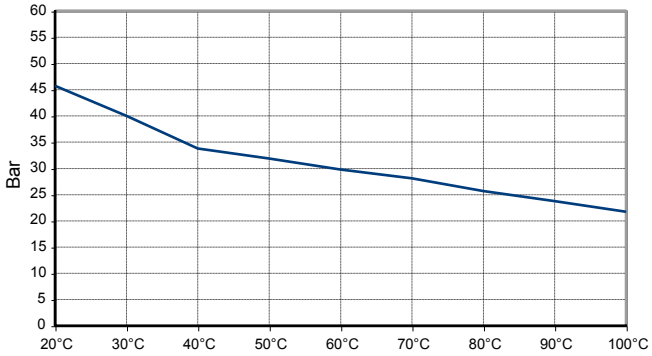
WORKING PRESSURE - PUFH

Limit of pressure load depending on temperature

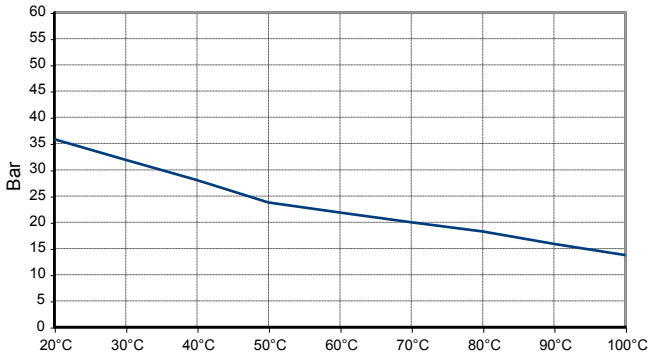
4x2



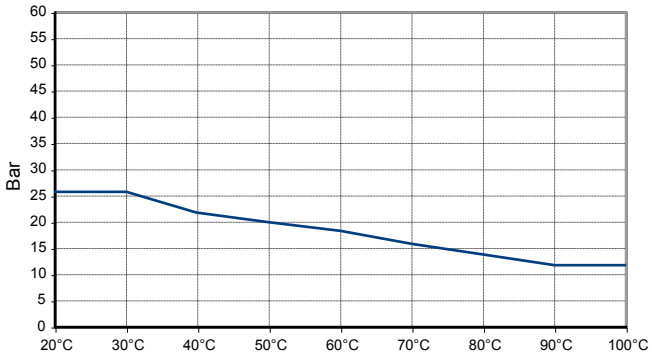
8x4



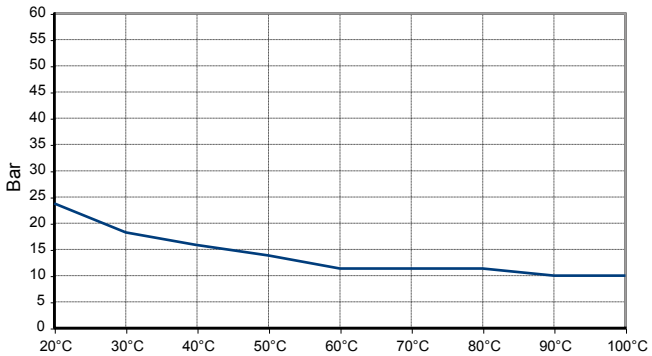
10x6



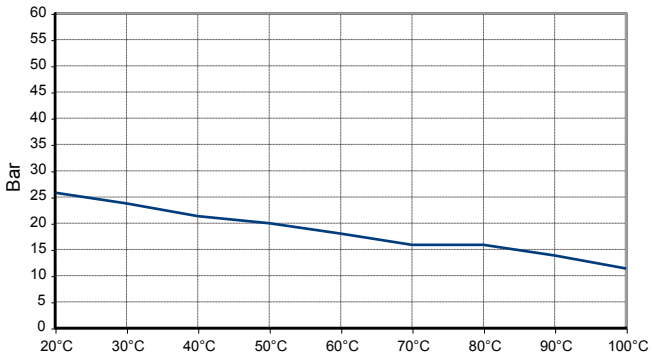
12x8



14x10



16x11



TECHNICAL TUBES
SELF-EXTINGUISHING POLYURETHANE TUBE

PLUS

HALOGEN-FREE FLAME RETARDANT, SELF-EXSTINGUISHING IN CASE OF FIRE

RESISTANT TO HYDROLYSIS AND MICROBES

HIGH CHEMICAL RESISTANCE (RESISTANT TO MOST DETERGENTS, SOLVENTS AND OTHER FLUIDS CONTACT)

REDUCED BENDING RADIUS THAT ALLOWS IT TO BE USED IN CONFINED SPACES

EXCELLENT UV RESISTANCE

MAXIMUM ABRASION RESISTANCE, CAN BE USE IN CABLE DRAG CHAINS

RECYCABLES (THE BASE POLYMER CAN BE REUSED), EASILY DISPOSED OF AT THE END OF SERVICE LIFE

USED IN THE INTERNATIONAL AIRCRAFT CONSTRUCTION AND GERMAN RAILWAYS, CORRESPONDING STANDARDS REGARDING RAILWAY FIRE PROTECTION DIN 5510-2 (GERMAN STANDARD) AND NF F 16-101 (FRENCH STANDARD)



p. 717 / **PUKS**



Environment temperature:
-30°C ÷ 100°C
The working temperature depends on the working pressure.

Working pressure:
6 - 8 Bar (standard)
See table for pressure at 20°C

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air, vacuum, water, gas and fluids suitable with construction materials

AVAILABILITY
Available on request and minimum order quantity PUKN tube that meets all requirements of the new European railway regulation EN 45545.

Material: Polyurethane with non-halogen flame retardants

FEATURES
- Hardness (DIN ISO 7619-1):
  58 Shore D
- Tensile strength (DIN53504-S2/ISO37):
  30 MPa
- Abrasion (DIN4649-A):
  30 mm^3
- Density (DIN EN ISO 1183-1-A):
  1,27 g/cm^3

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PUKS — Self-extinguishing polyurethane tube



CODE	Ø ODxID	THICKNESS (mm)	BENDING RADIUS (mm)	WORKING PRESSURE AT 20°C (Bar)	MIN. BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PUKS0604	6x4	1	14	22	37	19,95	50
PUKS0857	8x5,7	1,15	28	18	32	31,43	50
PUKS1075	10x7,5	1,25	38	16	28	43,64	50
PUKS1209	12x9	1,5	45	20	30	62,84	50
PUKS1410	14x10	2	45	24	38	95,76	50
PUKS1611	16x11	2,5	55	28	37	134,66	50

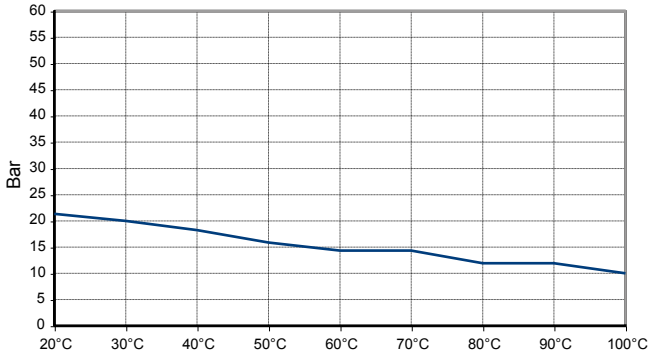
Sizes ODxID	Light blue
6x4	PUKS0604AZ
8x5,7	PUKS0857AZ
10x7,5	PUKS1075AZ
12x9	PUKS1209AZ
14x10	PUKS1410AZ
16x11	PUKS1611AZ

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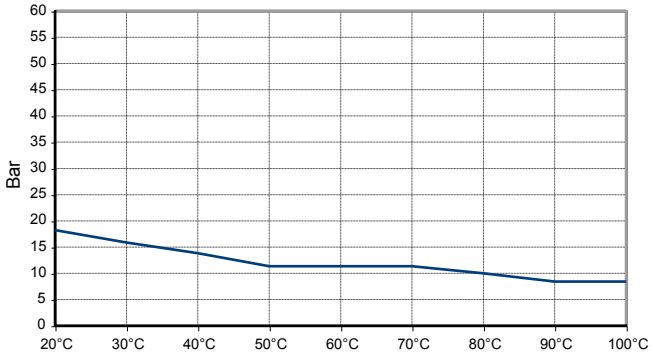
WORKING PRESSURE - PUKS

Limit of pressure load depending on temperature

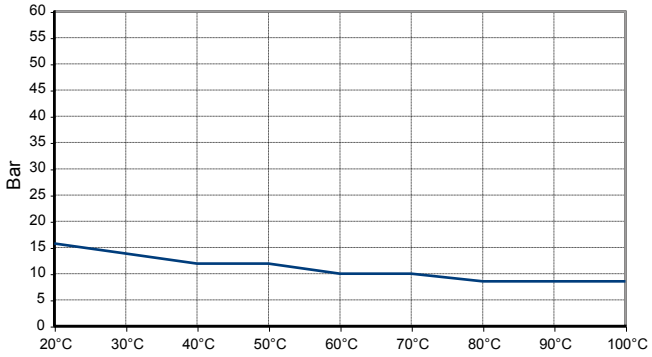
6x4



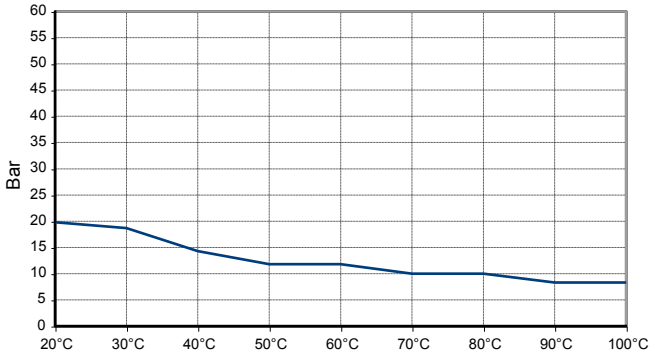
8x5,7



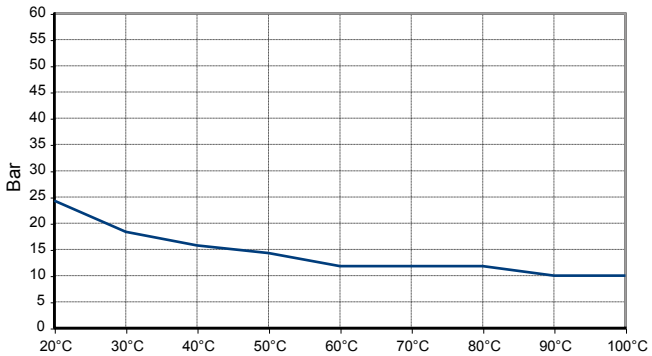
10x7,5



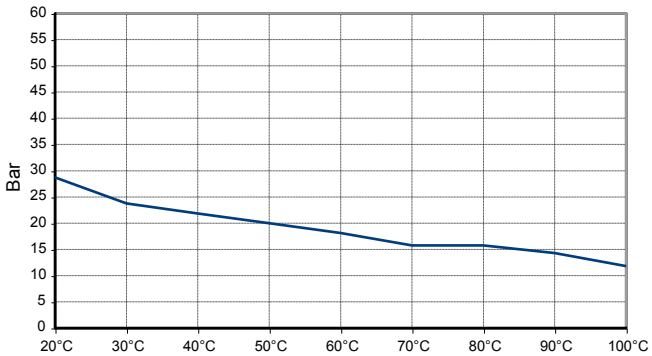
12x9



14x10



16x11



TECHNICAL TUBES
POLYAMIDE TUBE PA12

PLUS

- HIGH TENSILE STRENGHT
- GOOD FLEXIBILITY, ALSO AT LOW TEMPERATURE
- GOOD AGEING RESISTANCE
- GOOD RESISTANCE TO HYDROCARBONS AND OIL
- HIGH CHEMICAL AND HYDROLYSIS RESISTANCE
- WIDE RANGE OF COLOURS AVAILABLE



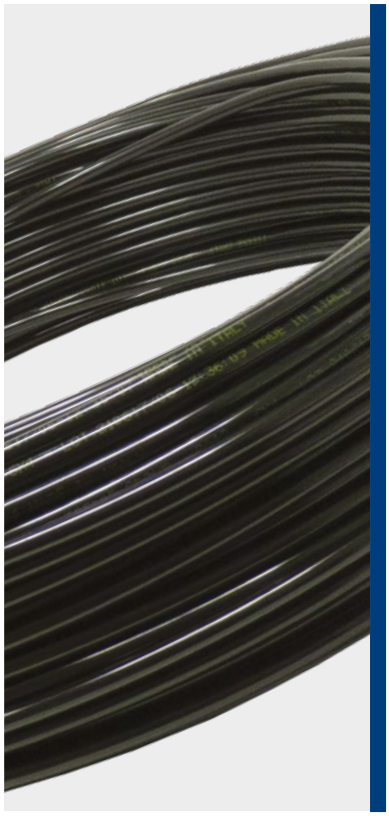
p. 722 / **PA12**



p. 723 / **PA12-BX**



p. 723 / **PA12-INCH**



-40°C ÷ 80°C
For water-based fluids the working temperature at max. +70°C

Working pressure:
See table for pressure at 23°C

Burst pressure:
See the table

Compressed air, vacuum and fluids suitable with construction materials

Material: Polyamide according to DIN 74324 and 73378

FEATURES

- Hardness (ISO 868):
  65 Shore D
- Tensile stress at break (ISO R527):
  50 MPa
- Elongation at break (ISO R527):
  300 %
- Tensile strength modulus (ISO R527):
  400 MPa
- Bending modulus (ISO 178):
  400 MPa
- Density (ISO R 1183D)
  1,03 g/cm^3

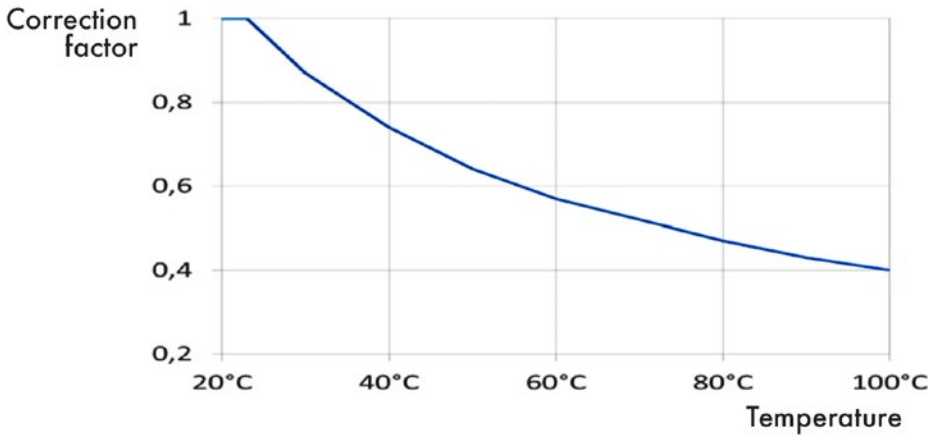
SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

PRESSURE CORRECTION SCALE ACCORDING TO TEMPERATURE



PA12

Polyamide tube PA12



CODE	Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 23°C (Bar)	BURSTING PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PA12-0402-Z	4x2	1	16	44	132	9,7	100
PA12-0425-Z	4x2,5	0,75	24	31	93	7,9	100
PA12-0427-Z	4x2,7	0,65	26	23	69	7	100
PA12-0604-Z	6x4	1	30	28	84	16,2	100
PA12-0806-Z	8x6	1	40	20	60	22,6	100
PA12-1007-Z	10x7	1,5	58	23	69	41,2	50
PA12-1008-Z	10x8	1	60	16	48	29,1	50
PA12-1208-Z	12x8	2	60	28	84	64,7	50
PA12-1209-Z	12x9	1,5	60	20	60	50,9	50
PA12-1210-Z	12x10	1	85	12	36	35,6	50
PA12-1412-Z	14x12	1	90	10	30	42	50
PA12-15125-Z	15x12,5	1,25	100	12	36	55,6	50
PA12-1614-Z	16x14	1	120	9	27	48,5	50

Sizes ODxID	Blue	* Black	Red	Green	Natural
4x2	PA12-0402BL-Z	PA12-0402NE-Z	PA12-0402RO-Z	PA12-0402VD-Z	PA12-0402NU-Z
4x2,5	PA12-0425BL-Z	PA12-0425NE-Z			PA12-0425NU-Z
4x2,7	PA12-0427BL-Z	PA12-0427NE-Z	PA12-0427RO-Z	PA12-0427VD-Z	PA12-0427NU-Z
6x4	PA12-0604BL-Z	PA12-0604NE-Z	PA12-0604RO-Z	PA12-0604VD-Z	PA12-0604NU-Z
8x6	PA12-0806BL-Z	PA12-0806NE-Z	PA12-0806RO-Z	PA12-0806VD-Z	PA12-0806NU-Z
10x7	PA12-1007BL-Z	PA12-1007NE-Z			PA12-1007NU-Z
10x8	PA12-1008BL-Z	PA12-1008NE-Z	PA12-1008RO-Z	PA12-1008VD-Z	PA12-1008NU-Z
12x8	PA12-1208BL-Z	PA12-1208NE-Z			PA12-1208NU-Z
12x9	PA12-1209BL-Z	PA12-1209NE-Z			PA12-1209NU-Z
12x10	PA12-1210BL-Z	PA12-1210NE-Z	PA12-1210RO-Z	PA12-1210VD-Z	PA12-1210NU-Z
14x12	PA12-1412BL-Z	PA12-1412NE-Z			PA12-1412NU-Z
15x12,5	PA12-15125BL-Z	PA12-15125NE-Z			PA12-15125NU-Z
16x14	PA12-1614BL-Z	PA12-1614NE-Z			PA12-1614NU-Z

* **PA12:** The BLACK coloured tube is suitable for outdoor applications

drawings and technical data are not binding & can be changed without notice

PA12-BX

Polyamide tube PA12 in 25m box



Sizes ODxID	Blue	* Black	Red	Green	Natural
4x2	PA12-0402BL-25BX	PA12-0402NE-25BX	PA12-0402RO-25BX	PA12-0402VD-25BX	PA12-0402NU-25BX
4x2,5	PA12-0425BL-25BX	PA12-0425NE-25BX			PA12-0425NU-25BX
4x2,7	PA12-0427BL-25BX	PA12-0427NE-25BX	PA12-0427RO-25BX	PA12-0427VD-25BX	PA12-0427NU-25BX
6x4	PA12-0604BL-25BX	PA12-0604NE-25BX	PA12-0604RO-25BX	PA12-0604VD-25BX	PA12-0604NU-25BX
8x6	PA12-0806BL-25BX	PA12-0806NE-25BX	PA12-0806RO-25BX	PA12-0806VD-25BX	PA12-0806NU-25BX
10x7	PA12-1007BL-25BX	PA12-1007NE-25BX			PA12-1007NU-25BX
10x8	PA12-1008BL-25BX	PA12-1008NE-25BX	PA12-1008RO-25BX	PA12-1008VD-25BX	PA12-1008NU-25BX

* **PA12:** The BLACK coloured tube is suitable for outdoor applications

PA12-INCH

Polyamide tube PA12 in inches



CODE	DN	Ø ODxID (mm)	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 23°C (Bar)	BURSTING PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PA12-5/32	5/32"	4x2,38	0,81	12,7	28	84	8,4	100
PA12-3/16	3/16"	4,75x2,97	0,89	19,1	28	84	11,1	100
PA12-1/4	1/4"	6,35x4,35	1	25,4	28	84	17,3	100
PA12-5/16	5/16"	8x6	1	32	23	70	22,7	100
PA12-3/8	3/8"	9,53x6,39	1,57	52	32	97	40	100
PA12-1/2	1/2"	12,7x9,56	1,57	65	22	66	56	100

Sizes DN	Blue	* Black	Red	Yellow
5/32″	PA12-5/32BL	PA12-5/32NE	PA12-5/32RO	PA12-5/32GL
3/16″	PA12-3/16BL	PA12-3/16NE	PA12-3/16RO	PA12-3/16GL
1/4″	PA12-1/4BL	PA12-1/4NE	PA12-1/4RO	PA12-1/4GL
5/16″	PA12-5/16BL	PA12-5/16NE	PA12-5/16RO	PA12-5/16GL
3/8″	PA12-3/8BL	PA12-3/8NE	PA12-3/8RO	PA12-3/8GL
1/2″	PA12-1/2BL	PA12-1/2NE	PA12-1/2RO	PA12-1/2GL

* **PA12-INCH:** The BLACK coloured tube is suitable for outdoor applications

TECHNICAL TUBES POLYETHYLENE TUBE

W270 KTW

PLUS

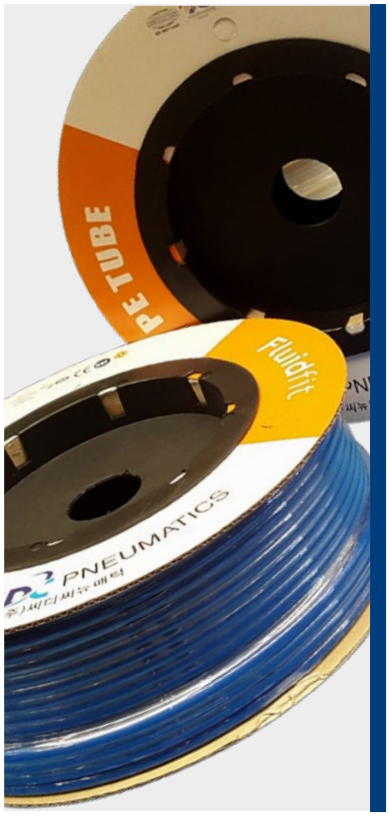
- COMPLIES TO FDA DIRECTIVE
- COMPATIBLE WITH DIFFERENT CHEMICALS
- GOOD COMPRIMISE BETWEEN PRESSURE AND TEMPERATURE
- APPROVED FOR PERMANENT CONTACT WITH BEVERAGES AND FOOD PRODUCTS
- WIDE RANGE OF COLOURS TO DIFFERENTIATE LIQUIDS



p. 727 / **PE**



p. 728 / **PE-INCH**



-29°C ÷ 66°C

Working pressure:
See the table

Burst pressure:
See the table

Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air & vacuum, suitable for purifiers, water conditioners, ice machines, nebulisers and food contact applications

Material: Polyethylene

Food contact materials EC 1935/2004

D.M. 174/2004

ICIM certified product food contact materials

ICIM certified product water contact materials

ACS certified tube for black and blue colours

NSF51
NSF61

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

FEATURES

- Tensile strength at break (MD): 430 kg/cm²
- Tensile strength at break (TD): 360 kg/cm²
- Elongation at break (MD): 750 %
- Elongation at break (TD): 850 %
- Density: 0,919 g/cm³

PE — Polyethylene metric tube



CODE	Ø ODxID	TOLERANCE Ø OD	THICKNESS (mm)	MIN. BENDING RADIUS AT 23°C (mm)	WORKING PRESSURE AT 20°C (Bar)	MAX. WORKING PRESSURE (Bar)	BURSTING PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PE0425..-FF	4x2,5	±0,08	0,75	25	15	16	30	9,65	200
PE0604..-FF	6x4	±0,08	1	25	15	16	30	19,8	100
PE0806..-FF	8x6	±0,08	1	25	10	12	20	25,5	100
PE1007..-FF	10x7	±0,08	1,5	32	10	12	20	45,1	100
PE1209..-FF	12x9	±0,08	1,5	63	10	12	20	50,6	100

Sizes ODxID	Natural	Black	White	Red	Blue	Green	Yellow
4x2,5	PE0425NU-FF	PE0425NE-FF	PE0425BO-FF	PE0425RO-FF	PE0425BL-FF	PE0425VD-FF	PE0425GL-FF
6x4	PE0604NU-FF	PE0604NE-FF	PE0604BO-FF	PE0604RO-FF	PE0604BL-FF	PE0604VD-FF	PE0604GL-FF
8x6	PE0806NU-FF	PE0806NE-FF	PE0806BO-FF	PE0806RO-FF	PE0806BL-FF	PE0806VD-FF	PE0806GL-FF
10x7	PE1007NU-FF	PE1007NE-FF	PE1007BO-FF	PE1007RO-FF	PE1007BL-FF	PE1007VD-FF	PE1007GL-FF
12x9	PE1209NU-FF	PE1209NE-FF	PE1209BO-FF	PE1209RO-FF	PE1209BL-FF	PE1209VD-FF	PE1209GL-FF

PE-INCH

Polyethylene inch tube



CODE	DN	TOLERANCE Ø OD	THICKNESS (mm)	MIN. BENDING RADIUS AT 23°C (mm)	WORKING PRESSURE AT 20°C (Bar)	MAX. WORKING PRESSURE (Bar)	BURSTING PRESSURE AT 23°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PE3/16..-FF	3/16"	±0,08	0,79	25,4	15	16	30	12,2	200
PE1/4..-FF	1/4"	±0,08	1,02	25,4	15	16	30	19,8	100
PE5/16..-FF	5/16"	±0,08	1,22	28,7	10	12	20	31,2	100
PE3/8..-FF	3/8"	±0,08	1,58	31,8	10	12	20	45,6	100
PE1/2..-FF	1/2"	±0,08	1,58	63,5	10	12	20	60,1	100

PE-INCH: For the Ø5/32" tube we recommend PE0425..-FF

Sizes DN	Natural	Black	White	Red	Blue	Green	Yellow
3/16"	PE3/16NU-FF	PE3/16NE-FF	PE3/16BO-FF	PE3/16RO-FF	PE3/16BL-FF	PE3/16VD-FF	PE3/16GL-FF
1/4"	PE1/4NU-FF	PE1/4NE-FF	PE1/4BO-FF	PE1/4RO-FF	PE1/4BL-FF	PE1/4VD-FF	PE1/4GL-FF
5/16"	PE5/16NU-FF	PE5/16NE-FF	PE5/16BO-FF	PE5/16RO-FF	PE5/16BL-FF	PE5/16VD-FF	PE5/16GL-FF
3/8"	PE3/8NU-FF	PE3/8NE-FF	PE3/8BO-FF	PE3/8RO-FF	PE3/8BL-FF	PE3/8VD-FF	PE3/8GL-FF
1/2"	PE1/2NU-FF	PE1/2NE-FF	PE1/2BO-FF	PE1/2RO-FF	PE1/2BL-FF	PE1/2VD-FF	PE1/2GL-FF

drawings and technical data are not binding & can be changed without notice

TECHNICAL TUBES CALIBRATED PTFE TUBE

D.M. 174

PLUS

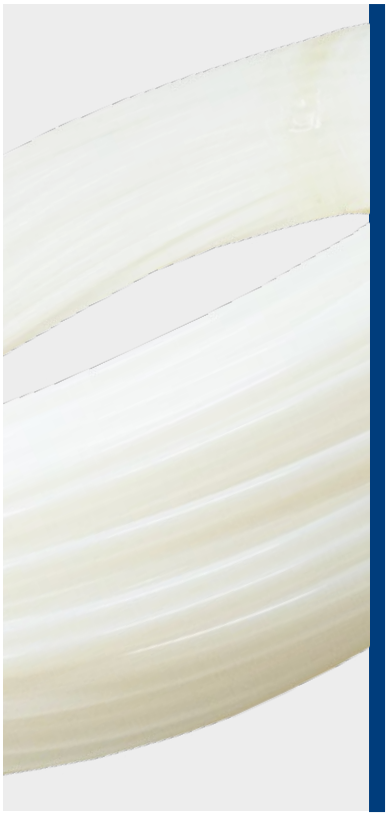
- GOOD FLEXIBILITY
- EXCELLENT RESISTANCE TO AGING
- TOTAL CHEMICAL INERTIA
- HIGH TENSILE STRENGHT AND HIGH TEMPERATURE RESISTANCE (UP TO 260°C)
- GOOD ISOLATION CAPACITY



p. 732 / **PTFE-C**



p. 732 / **PTFE-C-BX**



-70°C ÷ 260°C

Working pressure:
See the table

Burst pressure:
See the table

Compressed air, vacuum, water and fluids suitable with construction materials

Material: Calibrated Teflon PTFE (made by a process called 'paste extrusion' typical of this material)

FEATURES

- Hardness (ISO 868): 65 Shore D
- Elongation at break: 200 - 370 %
- Tensile strength: > 20 MPa
- Density: 2,13 - 2,23 g/cm^3

Food contact materials EC 1935/2004

D.M. 174/2004

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

POSSIBILITY OF USING PRESSURE AS A FUNCTION OF TEMPERATURE

	-60°C ÷ 23°C	+40°C ÷ 100°C	+100°C ÷ 150°C	+150°C ÷ 200°C	+200°C ÷ 260°C
PERCENTAGE	100%	90%	55%	30%	10%

PTFE-C

Calibrated teflon PTFE tube



CODE	Ø ODxID	TOLERANCE ØOD (mm)	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 20°C (Bar)	BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PTFE-C0402	4x2	± 0,1	1	15	37	110	21	100
PTFE-C0425	4x2,5	± 0,1	0,75	15	22	65	17	100
PTFE-C0604	6x4	± 0,1	1	35	22	66	35	100
PTFE-C0806	8x6	± 0,1	1	65	14	42	49	100
PTFE-C1008	10x8	± 0,15	1	100	11	32	62	100
PTFE-C1210	12x10	± 0,15	1	150	10	30	76	100
PTFE-C1412	14x12	± 0,2	1	200	8	24	90	50
PTFE-C1613	16x13	± 0,2	1,5	150	10	30	150	50

Sizes Ø ODxID	Blue	Red	Natural
4x2			PTFE-C0402NU100
4x2,5	PTFE-C0425BL100	PTFE-C0425RO100	PTFE-C0425NU100
6x4	PTFE-C0604BL100	PTFE-C0604RO100	PTFE-C0604NU100
8x6	PTFE-C0806BL100	PTFE-C0806RO100	PTFE-C0806NU100
10x8	PTFE-C1008BL100	PTFE-C1008RO100	PTFE-C1008NU100
12x10	PTFE-C1210BL100	PTFE-C1210RO100	PTFE-C1210NU100
14x12	PTFE-C1412BL50	PTFE-C1412RO50	PTFE-C1412NU50
16x13	PTFE-C1613BL50	PTFE-C1613RO50	PTFE-C1613NU50

PTFE-C-BX

Calibrated teflon PTFE tube in 25m box



Sizes Ø ODxID	Blue	Red	Natural
4x2			PTFE-C0402NU100-25BX
4x2,5	PTFE-C0425BL100-25BX	PTFE-C0425RO100-25BX	PTFE-C0425NU100-25BX
6x4	PTFE-C0604BL100-25BX	PTFE-C0604RO100-25BX	PTFE-C0604NU100-25BX
8x6	PTFE-C0806BL100-25BX	PTFE-C0806RO100-25BX	PTFE-C0806NU100-25BX
10x8	PTFE-C1008BL100-25BX	PTFE-C1008RO100-25BX	PTFE-C1008NU100-25BX

drawings and technical data are not binding & can be changed without notice

TECHNICAL TUBES CALIBRATED FEP TUBE

D.M. 174

PLUS

- EXCELLENT CHEMICAL RESISTANCE
- WIDE RANGE OF WORKING TEMPERATURES
- RESISTANT TO UV RAYS
- NON-STICKING
- EXCELLENT DIELECTRIC RESISTANCE
- NON-FLAMMABLE
- EXTREMELY SMOOTH SURFACE
- EXCELLENT TRASPARENCY IN COLOURING
- RESTRICTED DIMENSIONAL TOLERANCES



p. 735 / **FEP**



p. 736 / **FEP-BX**



-60°C ÷ 200°C

Working pressure:
See the table

Burst pressure:
See the table

Compressed air, vacuum, water and fluids suitable with construction materials

Material: Calibrated FEP
(melt processable fluoropolymer resins)

FEATURES

- Hardness:
  55 - 60 Shore D
- Elongation at break:
  250 - 350 %
- Tensile strength at 23°C:
  19 - 25 MPa
- Density:
  2,12 - 2,17 g/cm³

Food contact materials
EC 1935/2004

D.M. 174/2004

Products in compliance with
EC Regulation 1907/2006

Products in compliance with
the directive EU 2015/863

PRESSURE CORRECTION SCALE ACCORDING TO THE TEMPERATURE

	-40°C ÷ 0°C	0°C ÷ 20°C	20°C ÷ 40°C	40°C ÷ 70°C	70°C ÷ 100°C	100°C ÷ 160°C	> 160°C
PRESSURE CORRECTION FACTOR	1,1	1	0,8	0,6	0,4	0,3	0,2

FEP

Calibrated FEP tube



CODE	Ø ODxID	TOLERANCE Ø ODxID	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE (Bar)	BURSTING PRESSURE (Bar)	g/m	Q.TY FOR ROLL (mt)
FEP0315	3x1,5	±0,05	0,75	15	35	105	13	100
FEP0425	4x2,5	±0,05	0,75	25	22	66	17	100
FEP0604	6x4	±0,07	1	35	19	57	35	100
FEP0806	8x6	±0,07	1	40	14	42	48	100

Sizes Ø ODxID	∅ Transparent
3x1,5	FEP0315TR
4x2,5	FEP0425TR
6x4	FEP0604TR
8x6	FEP0806TR

FEP-BX

Calibrated FEP tube in 25m box



Sizes Ø ODxID	∅ Transparent
3x1,5	FEP0315TR-25BX
4x2,5	FEP0425TR-25BX
6x4	FEP0604TR-25BX
8x6	FEP0806TR-25BX

TECHNICAL TUBES SILICONE TUBE



PLUS

MANY APPLICATIONS IN INDUSTRIAL AND FOOD SECTORS

OPTIMAL FOR USE WITH FOOD FLUIDS, SUITABLE FOR BEVERAGE AND COFFEE MACHINES

GOOD OXIDATION RESISTANCE



p. 739 / **SI-FQ**



-60°C ÷ 200°C

Working pressure:
See the table

Burst pressure:
See the table

Compressed air, vacuum, water and fluids suitable with construction materials

Material: Silicone

FEATURES

- Hardness:
  55 - 65 Shore A
- Elongation at break (DIN53504 S2):
  300 - 330 %
- Tensile strength at 23°C (DIN 53504 S2):
  8 - 10 MPa
- Density:
  1,15 - 1,19 g/cm^3
- Tolerance:
  ISO 3302-1 E2 Class

Food contact materials EC 1935/2004

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

SI-FQ Silicone tube



CODE	Ø IDxOD	TOLERANCE Ø ID	TOLERANCE Ø OD	THICKNESS (mm)	WORKING PRESSURE AT 20°C (Bar)	BURSTING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (mt)
SI0305FQ	3x5	±0,5	±0,4	1	2	6	16	100
SI0306FQ	3x6	±0,5	±0,4	1,5	2,5	7,5	27	100
SI3506FQ	3,5x6	±0,5	±0,4	1,25	3	9	23	100
SI0406FQ	4x6	±0,5	±0,4	1	3,5	10,5	20	100
SI0407FQ	4x7	±0,7	±0,4	1,5	3,2	9,6	33	100
SI0508FQ	5x8	±0,7	±0,5	1,5	3,4	10,2	39	100
SI0609FQ	6x9	±0,7	±0,5	1,5	3,7	11,1	45	100
SI0610FQ	6x10	±0,8	±0,5	2	4	12	63	100
SI0811FQ	8x11	±0,8	±0,7	1,5	3,9	11,7	56	100
SI0812FQ	8x12	±0,8	±0,7	2	4,2	13,6	80	100
SI0912FQ	9x12	±0,8	±0,7	1,5	4	12	62	100
SI1013FQ	10x13	±0,8	±0,8	1,5	4,4	13,2	68	100
SI1014FQ	10x14	±0,8	±0,8	2	5	15	95	100
SI1215FQ	12x15	±0,8	±0,8	1,5	4,7	14,1	80	100

Sizes Ø IDxOD	∅ Transparent
3x5	SI0305FQ
3x6	SI0306FQ
3,5x6	SI3506FQ
4x6	SI0406FQ
4x7	SI0407FQ
5x8	SI0508FQ
6x9	SI0609FQ
6x10	SI0610FQ
8x11	SI0811FQ
8x12	SI0812FQ
9x12	SI0912FQ
10x13	SI1013FQ
10x14	SI1014FQ
12x15	SI1215FQ

TECHNICAL TUBES
PVC CRYSTAL CLEAR TUBE

PLUS

SUITABLE FOR AIR AND LIQUIDS

NON-TOXIC

TRASPARENT TO ALLOW VISUALISATION OF THE FLUID AND CLEANING

EXCELLENT FLEXIBILITY FOR SAVING SPACE IN INSTALLATIONS



p. 743 / **PVC**



-10°C ÷ 50°C

Compressed air, vacuum and fluids suitable with construction materials

Material: Single layer transparent PVC

FEATURES

- Hardness:
  75 Shore A
- Breaking load at 23°C:
  ≥ 13,5 N/mm^2
- Elongation at break at 23°C:
  ≥ 350 %
- Density (at 23°C):
  1,22 g/cm^3

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

PVC

Single layer transparent PVC tube



CODE	Ø IDxOD	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	g/m	Q.TY FOR ROLL (mt)
PVC0406	4x6	1	32	19	200
PVC0407	4x7	1,5	32	32	200
PVC0609	6x9	1,5	48	45	100
PVC0710	7x10	1,5	56	50	100
PVC0812	8x12	2	64	75	100
PVC1014	10x14	2	80	92	100
PVC1217	12x17	2,5	120	140	100
PVC1419	14x19	2,5	140	155	100
PVC1622	16x22	3	160	215	50
PVC1824	18x24	3	175	240	50
PVC2027	20x27	3,5	200	310	50
PVC2533	25x33	4	250	440	50

Sizes Ø IDxOD	∅ Transparent
4x6	PVC0406
4x7	PVC0407
6x9	PVC0609
7x10	PVC0710
8x12	PVC0812
10x14	PVC1014
12x17	PVC1217
14x19	PVC1419
16x22	PVC1622
18x24	PVC1824
20x27	PVC2027
25x33	PVC2533

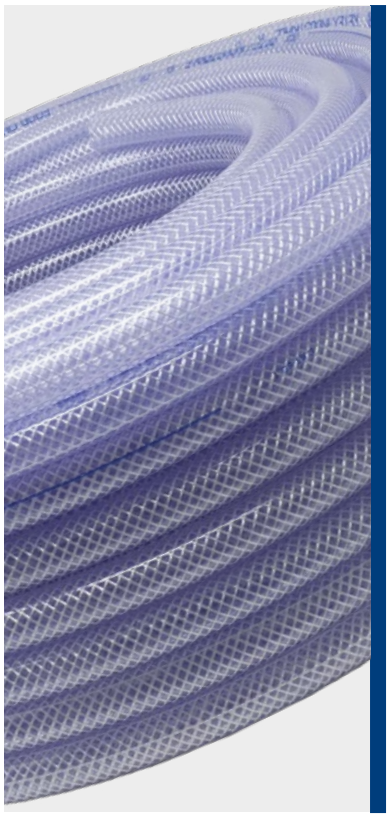
TECHNICAL TUBES
PVC CRYSTAL REINFORCED TUBE

PLUS

- **NON-TOXIC**
- **PVC IN POLYESTER AT HIGH TENACITY**
- **RESISTANT TO CLIMATE FACTORS/ WEATHER ELEMENTS**
- **TRASPARENT TO ALLOW VISUALISATION OF THE FLUID AND CLEANING**
- **EXCELLENT FLEXIILITY FOR SAVING SPACE IN INSTALLATIONS**



p. 747 / **PVC-RT**



-20°C ÷ 60°C

Working pressure:
See the table

Burst pressure:
See the table

Compressed air, vacuum and fluids suitable with construction materials

Material: Double layer PVC with high tenacity polyester reinforcement (hPES)

FEATURES

- Hardness:
  75 Shore A
- Breaking load at 23°C:
  ≥ 13,5 N/mm^2
- Elongation at break at 23°C:
  ≥ 350 %
- Density (at 23°C):
  1,22 g/cm^3

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

PVC-RT

Flexible PVC braided tube



CODE	Ø IDxOD	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 22°C (Bar)	BURSTING PRESSURE AT 22°C (Bar)	g/m	Q.TY FOR ROLL (mt)
PVC-RT0612	6x12	3	18	20	60	105	50
PVC-RT0814	8x14	3	25	20	60	125	50
PVC-RT1016	10x16	3	32	20	60	150	50
PVC-RT1218	12x18	3	35	20	60	170	50
PVC-RT1420	14x20	3	57	15	45	195	50
PVC-RT1622	16x22	3	60	15	45	215	50
PVC-RT1926	19x26	3,5	70	15	45	300	50
PVC-RT2533	25x33	4	110	10	30	440	50

Sizes Ø IDxOD	∅ Trasparente
6x12	PVC-RT0612
8x14	PVC-RT0814
10x16	PVC-RT1016
12x18	PVC-RT1218
14x20	PVC-RT1420
16x22	PVC-RT1622
19x26	PVC-RT1926
25x33	PVC-RT2533

TECHNICAL TUBES
POLYURETHANE TUBE WITH NON-TOXIC PVC INNER LAYER

PLUS

- **EXCELLENT FLEXIBILITY AND LIGHTNESS FOR IMPROVED ERGONOMICS**
- **SUITABLE FOR PNEUMATIC TOOLS, PAINT GUNS AND AIRBRUSHES**
- **NON-TOXIC PVC INNER LAYER**
- **MAINTAINS A GOOD SEAL OVER TIME**



p. 751 / **PU-PVC**



-20°C ÷ 60°C

Working pressure:
20 Bar

Burst pressure:
60 Bar

Compressed air, vacuum and fluids suitable with construction materials

Inner layer: Transparent PVC in special blend

Reinforcement: Synthetic textile insert

Outer layer: PVC with polyurethane

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PU-PVC

Polyurethane tube with non-toxic PVC inner layer



	CODE	Ø IDxOD	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE (Bar)	BURSTING PRESSURE (Bar)	g/m	Q.TY FOR ROLL (mt)
	PU-PVC0610	6x10	2	20	20	60	65	100
*	PU-PVC0812	8x12	2	22	20	60	80	100
*	PU-PVC1015	10x15	2,5	38	20	60	100	100
	PU-PVC1016	10x16	3	50	20	60	155	100
	PU-PVC1319	13x19	3	65	20	60	180	100

* Sizes suitable for use with fittings 1295 on page 287

drawings and technical data are not binding & can be changed without notice

Sizes Ø IDxOD	Light blue
6x10	PU-PVC0610AZ
8x12	PU-PVC0812AZ
10x15	PU-PVC1015AZ
10x16	PU-PVC1016AZ
13x19	PU-PVC1319AZ

drawings and technical data are not binding & can be changed without notice

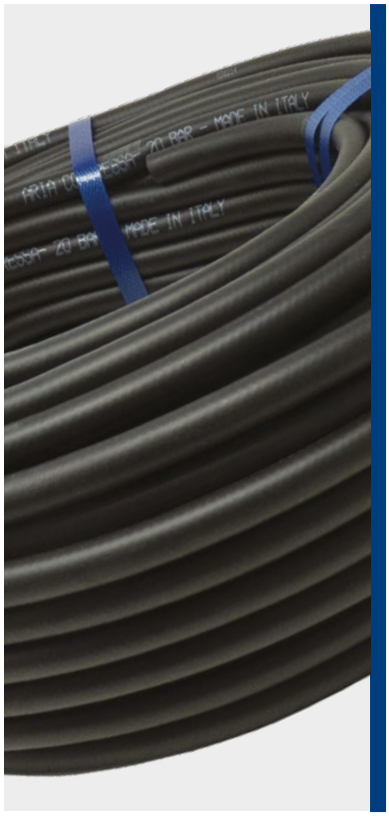
TECHNICAL TUBES
PVC TUBE WITH POLYESTER FIBRE REINFORCEMENT

PLUS

- EXCELLENT RESISTANCE TO LOW TEMPERATURES
- POLYESTER FIBRE REINFORCEMENT COVERED WITH SPECIAL RUBBER
- GOOD DURABILITY OVER TIME
- PERFECT FOR MANY INDUSTRIAL APPLICATIONS



p. 755 / **PVC-AC**



-20°C ÷ 60°C

Working pressure:
20 Bar

Burst pressure:
60 Bar

Compressed air, vacuum and fluids suitable with construction materials

Inner layer: Black PVC in special blend

Reinforcement: Synthetic polyester textile insert

Outer layer: Black weather-resistant PVC

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

PVC-AC

PVC tube with polyester fibre reinforcement



CODE	Ø IDxOD	THICKNESS (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE (Bar)	BURSTING PRESSURE (Bar)	g/m	Q.TY FOR ROLL (mt)
PVC-AC0614	6x14	4	25	20	60	170	100
PVC-AC0817	8x17	4,5	30	20	60	240	100
PVC-AC1019	10x19	4,5	32	20	60	280	100
PVC-AC1323	13x23	5	40	20	60	390	50
PVC-AC1928	19x28	4,5	60	20	60	550	50

Sizes Ø IDxOD	Black
6x14	PVC-AC0614NE100
8x17	PVC-AC0817NE100
10x19	PVC-AC1019NE100
13x23	PVC-AC1323NE
19x28	PVC-AC1928NE

TECHNICAL TUBES
COILED TUBES & ACCESSORIES

PLUS

EXCELLENT RESISTANCE TO OXIDATION, HYDROLYSIS AND OZONE

ADAPTS PERFECTLY TO PNEUMATIC UTENSILS, BOTH MOBILE OR SUSPENDED

MADE OF HIGH QUALITY POLYURETHANE WHICH MAKES SPIRAL SOFT AND DURABLE

THE STRAIGHT ENDS OF THE COILED TUBE ALLOW MOUNTING WITH THE WIDE RANGE OF SPRING NUTS

RANGE IS MADE COMPLETE BY A WIDE SERIES OF HOSE CUTTERS, SINGLE OR MULTIPLE ELBOW HOSE CLAMPS, FOR A FAST INSTALLATION OF THE TUBE WITH A SIMPLE PRESSURE

RESISTANT TO VIBRATION AND TO CLIMATE FACTORS ELEMENTS



p. 760 / **UCES**



p. 761 / **UCES-G**



p. 762 / **1505**



p. 762 / **1508**



p. 762 / **1509**



p. 763 / **1510**



p. 763 / **1515**



p. 764 / **1521**



p. 764 / **1522**



p. 765 / **1525**



p. 765 / **TT**



p. 765 / **PZ**



p. 765 / **LM**



p. 766 / **ETC-20**



p. 766 / **STF**



p. 766 / **HBC**



p. 766 / **HTBC**



-40°C ÷ 60°C

Working pressure:
See the table
Negative pressure:
- 0,95 Bar (- 95 Kpa)

Compressed air

Parallel gas BSPP ISO 228
G1/4" and G3/8"

Tube: Thermoplastic polyurethane on polyester basis
Fittings: Nickel-plated brass (UCES-G)

FEATURES

Very flexible tubing with good elastic properties even a low temperatures. Good chemical, abrasion and ageing resistance.

- Hardness:
  98 Shore A
- Ultimate tensile strength:
  50 MPa
- Ultimate tensile strain:
  400 %
- Ultimate shear strength:
  123 N/mm
- Abrasion resistance:
  30 mm^3
- Specific weight:
  1,23 g/cc

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

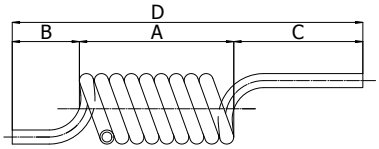
WORKING PRESSURES EXPRESSED IN % AS A FUNCTION OF TEMPERATURE

20°C	30°C	40°C	50°C	60°C
100%	83%	72%	64%	47%

UCES

Polyurethane coiled tube on polyester basis





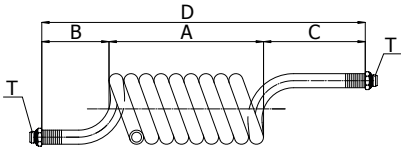
CODE	Ø ODxID	A (mm)	B (mm)	C (mm)	D (mm)	WORKING PRESSURE AT 23°C (Bar)	BURSTING PRESSURE AT 23°C (Bar)	TUBE LENGTH	NUMBER OF TURNS	Ø INTERNAL COILED TUBE (mm)	g
UCES060435	6x4	134	100	500	734	12	40	3,5	31	30	85
UCES060405		266	100	500	866	12	40	5,0	44	30	110
UCES060475		399	100	500	999	12	40	7,5	66	30	165
UCES060410		532	100	500	1132	12	40	10,0	88	30	215
UCES080535	8x5	194	100	500	794	14	45	3,5	34	25	155
UCES080505		387	100	500	987	14	45	5,0	48	25	205
UCES080575		580	100	500	1180	14	45	7,5	72	25	300
UCES080510		773	100	500	1373	14	45	10,0	97	25	395
UCES106505	10x6,5	399	100	500	999	13	42	5,0	40	30	315
UCES106575		598	100	500	1198	13	42	7,5	60	30	455
UCES106510		797	100	500	1397	13	42	10,0	80	30	600
UCES120805	12x8	266	100	500	866	12	40	5,0	22	60	455
UCES120875		399	100	500	999	12	40	7,5	33	60	660
UCES120810		532	100	500	1132	12	40	10,0	44	60	860

Sizes Ø ODxID	Light blue	Yellow
6x4	UCES060435AZ	UCES060435GL
	UCES060405AZ	UCES060405GL
	UCES060475AZ	UCES060475GL
	UCES060410AZ	UCES060410GL
8x5	UCES080535AZ	UCES080535GL
	UCES080505AZ	UCES080505GL
	UCES080575AZ	UCES080575GL
	UCES080510AZ	UCES080510GL
10x6,5	UCES106505AZ	UCES106505GL
	UCES106575AZ	UCES106575GL
	UCES106510AZ	UCES106510GL
12x8	UCES120805AZ	UCES120805GL
	UCES120875AZ	UCES120875GL
	UCES120810AZ	UCES120810GL

UCES-G

Polyurethane coiled tube on polyester basis with spring & BSPP thread fittings





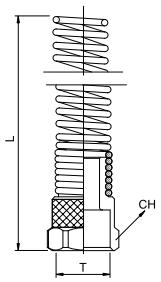
	CODE	Ø ODxID	T	A (mm)	B (mm)	C (mm)	D (mm)	WORKING PRESSURE AT 23°C (Bar)	BURSTING PRESSURE AT 23°C (Bar)	TUBE LENGTH	NUMBER OF TURNS	Ø INTERNAL COILED TUBE (mm)	g
*	UCES060435G14	6x4	2x G 1/4"	134	100	500	734	12	40	3,5	31	30	165
*	UCES060405G14		2x G 1/4"	266	100	500	866	12	40	5,0	44	30	190
*	UCES060475G14		2x G 1/4"	399	100	500	999	12	40	7,5	66	30	240
*	UCES060410G14		2x G 1/4"	532	100	500	1132	12	40	10,0	88	30	290
	UCES080535G14	8x5	2x G 1/4"	194	100	500	794	14	45	3,5	34	25	230
	UCES080505G14		2x G 1/4"	387	100	500	987	14	45	5,0	48	25	280
	UCES080575G14		2x G 1/4"	580	100	500	1180	14	45	7,5	72	25	375
	UCES080510G14		2x G 1/4"	773	100	500	1373	14	45	10,0	97	25	470
	UCES106505G14	10x6,5	2x G 1/4"	399	100	500	999	13	42	5,0	40	30	385
	UCES106575G14		2x G 1/4"	598	100	500	1198	13	42	7,5	60	30	525
	UCES106510G14		2x G 1/4"	797	100	500	1397	13	42	10,0	80	30	670
	UCES120805G38	12x8	2x G 3/8"	266	100	500	866	12	40	5,0	22	60	550
	UCES120875G38		2x G 3/8"	399	100	500	999	12	40	7,5	33	60	755
	UCES120810G38		2x G 3/8"	532	100	500	1132	12	40	10,0	44	60	955

* Ø 6x4 fittings are in yellow brass

Sizes Ø ODxID	Light blue	Yellow
6x4	UCES060435G14AZ	UCES060435G14GL
	UCES060405G14AZ	UCES060405G14GL
	UCES060475G14AZ	UCES060475G14GL
	UCES060410G14AZ	UCES060410G14GL
8x5	UCES080535G14AZ	UCES080535G14GL
	UCES080505G14AZ	UCES080505G14GL
	UCES080575G14AZ	UCES080575G14GL
	UCES080510G14AZ	UCES080510G14GL
10x6,5	UCES106505G14AZ	UCES106505G14GL
	UCES106575G14AZ	UCES106575G14GL
	UCES106510G14AZ	UCES106510G14GL
12x8	UCES120805G38AZ	UCES120805G38GL
	UCES120875G38AZ	UCES120875G38GL
	UCES120810G38AZ	UCES120810G38GL

1505 Locking nut with spring

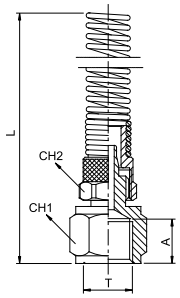




CODE	ØD	T	L	CH
1505TR0604	6x4	M10x1	95	12
1505TR0805	8x5	M12x1	93,5	14
1505TR0806	8x6	M12x1	93,5	14
1505TR1065	10x6,5	M14x1	96,5	16
1505TR1008	10x8	M14x1	96,5	16
1505TR1208	12x8	M16x1	106	18
1505TR1210	12x10	M16x1	106	18

1508 Straight female adapter BSPP thread with nut and spring

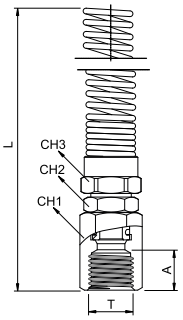




CODE	ØD	T	A	L	CH1	CH2
1508TR060418	6x4	G 1/8"	8	105	14	12
1508TR060414	6x4	G 1/4"	11	109	17	12
1508TR060438	6x4	G 3/8"	11,5	110	20	12
1508TR080618	8x6	G 1/8"	8	110	14	14
1508TR080614	8x6	G 1/4"	11	114	17	14
1508TR080638	8x6	G 3/8"	11,5	114,5	20	14
1508TR080612	8x6	G 1/2"	15	118	24	14
1508TR100814	10x8	G 1/4"	11	122	17	16
1508TR100838	10x8	G 3/8"	11,5	122,5	20	16
1508TR100812	10x8	G 1/2"	15	126	24	16
1508TR100838	12x10	G 3/8"	11,5	130,5	20	18

1509 Swivel straight female adapter BSPP thread with nut and spring

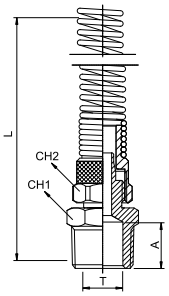




CODE	ØD	T	A	L	CH1	CH2	CH3
1509TR060414	6x4	G 1/4"	11	134	16	14	12
1509TR080514	8x5	G 1/4"	11	134	16	14	14
1509TR080614	8x6	G 1/4"	11	134	16	14	14
1509TR106514	10x6,5	G 1/4"	11	134	16	14	16
1509TR100814	10x8	G 1/4"	11	134	16	14	16

1510 Straight male adapter BSPT thread with nut and spring

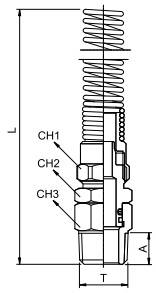




CODE	ØD	T	A	L	CH1	CH2
1510TR060418	6x4	R 1/8"	8	109,5	12	12
1510TR060414	6x4	R 1/4"	11	113	14	12
1510TR080618	8x6	R 1/8"	8	124,5	12	14
1510TR080614	8x6	R 1/4"	11	128	14	14
1510TR080638	8x6	R 3/8"	11,5	128,5	17	14
1510TR080612	8x6	R 1/2"	14	131,5	22	14
1510TR100818	10x8	R 1/8"	8	123	14	16
1510TR100814	10x8	R 1/4"	11	125	14	16
1510TR100838	10x8	R 3/8"	11,5	125,5	17	16
1510TR100812	10x8	R 1/2"	14	130	22	16
1510TR121038	12x10	R 3/8"	11,5	134,5	17	18
1510TR121012	12x10	R 1/2"	14	140	22	18

1515 Swivel straight male adapter BSPT thread and nut with spring

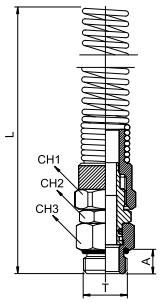




CODE	ØD	T	A	L	CH1	CH2	CH3
1515TR060418	6x4	R 1/8"	8	110	12	12	12
1515TR060414	6x4	R 1/4"	11	113	12	14	14
1515TR080518	8x5	R 1/8"	8	110	14	12	12
1515TR080514	8x5	R 1/4"	11	113	14	14	14
1515TR080618	8x6	R 1/8"	8	110	14	12	12
1515TR080614	8x6	R 1/4"	11	113	14	14	14
1515TR106514	10x6,5	R 1/4"	11	117	16	14	14
1515TR100814	10x8	R 1/4"	11	117	16	14	14
1515TR120838	12x8	R 3/8"	11,5	126	18	17	17
1515TR121038	12x10	R 3/8"	11,5	126	18	17	17

1521 Swivel straight male adapter BSPP thread with O-ring and nut with spring

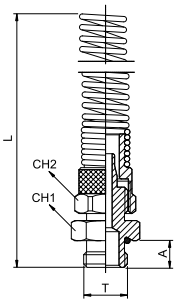




CODE	ØD	T	A	L	CH1	CH2	CH3
1521TR060418	6x4	G 1/8"	6	106	12	12	13
1521TR060414	6x4	G 1/4"	8	108	12	14	16
1521TR080518	8x5	G 1/8"	6	106	14	12	13
1521TR080514	8x5	G 1/4"	8	108	14	14	16
1521TR080618	8x6	G 1/8"	6	106	14	12	13
1521TR080614	8x6	G 1/4"	8	108	14	14	16
1521TR106514	10x6,5	G 1/4"	8	112	16	14	16
1521TR100814	10x8	G 1/4"	8	112	16	14	16
1521TR120838	12x8	G 3/8"	9	123	18	17	19
1521TR121038	12x10	G 3/8"	9	123	18	17	19

1522 Straight male adapter BSPP thread with O-ring and nut with spring





CODE	ØD	T	A	L	CH1	CH2
1522TR060418	6x4	G 1/8"	6	110	13	12
1522TR060414	6x4	G 1/4"	8	111	16	12
1522TR060438	6x4	G 3/8"	9	112	19	12
1522TR060412	6x4	G 1/2"	10	113	24	12
1522TR080618	8x6	G 1/8"	6	110	14	14
1522TR080614	8x6	G 1/4"	8	111	16	14
1522TR080638	8x6	G 3/8"	9	112	19	14
1522TR080612	8x6	G 1/2"	10	113	24	14
1522TR100818	10x8	G 1/8"	6	116	14	16
1522TR100814	10x8	G 1/4"	8	117	16	16
1522TR100838	10x8	G 3/8"	9	118	19	16
1522TR100812	10x8	G 1/2"	10	119	24	16
1522TR121038	12x10	G 3/8"	9	129	19	18
1522TR121012	12x10	G 1/2"	10	130	24	18

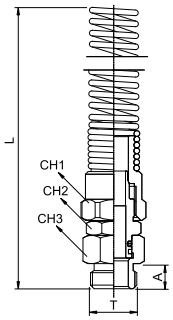
Straight male adapter metric thread with O-ring and nut with spring

CODE	ØD	T	A	L	CH1	CH2
1522TR0604M121	6x4	M12x1	8	108	15	12
1522TR0604M12125	6x4	M12x1,25	8	108	15	12
1522TR0604M1215	6x4	M12x1,5	8	108	15	12

1525

Swivel straight male adapter BSPP thread with nut and spring





CODE	ØD	T	A	L	CH1	CH2	CH3
1525TR060418	6x4	G 1/8"	6	106	12	12	13
1525TR060414	6x4	G 1/4"	8	108	12	14	16
1525TR080518	8x5	G 1/8"	6	106	14	12	13
1525TR080514	8x5	G 1/4"	8	108	14	14	16
1525TR080618	8x6	G 1/8"	6	106	14	12	13
1525TR080614	8x6	G 1/4"	8	108	14	14	16
1525TR106514	10x6,5	G 1/4"	8	112	16	14	16
1525TR100814	10x8	G 1/4"	8	112	16	14	16
1525TR120838	12x8	G 3/8"	9	123	18	17	19
1525TR121038	12x10	G 3/8"	9	123	18	17	19

TT

Plastic tube cutter



CODE	MAX. TUBE Ø (mm)	g
TT16	16	32,0

PZ

Metal tube cutter



CODE	MAX. TUBE Ø (mm)	BLADE MATERIAL	g
PZ-P	12	STEEL	106,0
PZ-G	28	STEEL	291,0

LM

Spare blade for PZ tube cutter



CODE	FOR TUBE CUTTER	BLADE MATERIAL	g
LM-P	PZ-P	STEEL	1,0
LM-G	PZ-G	STEEL	2,0

ETC

Tube cutter with tape measure



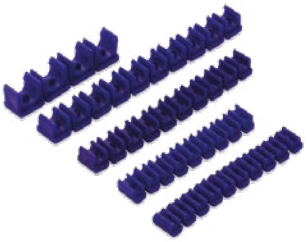
CODE	MAX. TUBE Ø (mm)	BLADE MATERIAL	PLUS	g
ETC-20	20	STEEL	TAPE MEASURE (1m)	47,5

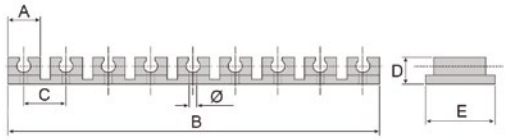
Spare blade for ETC

CODE	FOR TUBE CUTTER	BLADE MATERIAL	g
ETC-B	ETC-20	STEEL	1,0

STF

Plastic tube fixing clips





CODE	ØOD	A	B	C	D	Ø	E	N° OF POSITIONS	g
STF04	4	9	114	11,7	8,0	2,8	19	10	8,0
STF06	6	9	114	11,7	10,0	2,8	19	10	8,0
STF08	8	12	143	14,6	12,0	3,8	19	10	12,0
STF10	10	15	172	17,4	13,8	4,1	19	10	16,0
STF12	12	19	162	20,5	16,8	5,3	19	8	10,0
STF14	14	21	180	22,5	18,8	5,3	19	4	11,0

STF: The recommended environment temperature is **from 0°C to 40°C**

HBC

Curved tube clamp

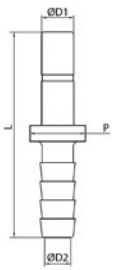


CODE	TUBE Ø (mm)	TUBE Ø (inch)	HOLES Ø (mm)	g
HBC08-5/16B	8	5/16	3,4	4,1
HBC10-3/8B	10	3/8	3,4	11,6

HTBC

Barb connector with stem





CODE	ØD1	ØD2	P	L	g
HTBC0606B	6	6	10,35	38,5	4,0
HTBC0806B	8	6	10,35	39,7	5,5

TECHNICAL TUBES
PUSH-LOCK HOSES & FITTINGS

PLUS

- RESISTANT TO REPEATED FLEXIONS WITH EXCELLENT BENDING RADIUS
- HIGH ABRASION RESISTANCE
- GOOD OZONE RESISTANCE (ASR & ASR-PU HOSES)
- DOES NOT REQUIRE HOSE CLAMP, RESULTING IN A CONSIDERABLE REDUCTION IN ASSEMBLY TIME
- SUITABLE FOR USE IN COOLING SYSTEMS
- AVAILABLE IN FOUR COLOURS (ASR & ASR-PU HOSES)
- FULL RANGE OF FITTINGS IN THREE MATERIALS: BRASS, STEEL AND STAINLESS STEEL AISI 316L

TECHNICAL TUBES - PUSH-LOCK HOSES & FITTINGS / PUSH-LOCK HOSES



p. 769 / **ASR**



p. 770 / **ASR-HH**



p. 771 / **ASR-PU**

TECHNICAL TUBES - PUSH-LOCK HOSES & FITTINGS / BRASS FITTINGS



p. 773 / **3467**



p. 773 / **3468**



p. 774 / **3400-SC**



p. 774 / **3440-SC**



p. 775 / **SPHM-R-BS**



p. 775 / **SPHM-N-BS**



p. 775 / **SPHU-BS**

TECHNICAL TUBES - PUSH-LOCK HOSES & FITTINGS / GALVANISED STEEL FITTINGS



p. 776 / **3470**



p. 776 / **3471**



p. 776 / **3472**



p. 777 / **3474**

TECHNICAL TUBES - PUSH-LOCK HOSES & FITTINGS / STAINLESS STEEL AISI 316L FITTINGS



p. 777 / **SPHM-R**



p. 777 / **SPHM-N**



p. 778 / **SPHU**



p. 778 / **SPHA**



-20°C ÷ +75°C air
0°C ÷ +95°C water
Environment temperature:
-20°C ÷ +95°C

Max. working pressure:
16 Bar

Compressed air & industrial water

Inner layer:
synthetic rubber

Reinforcement:
high tensile textile layer

Outer layer:
high performance synthetic rubber

FEATURES

- High flexibility
- High abrasion resistance
- 100% silicone free
- Ozone resistance
- For use without hose clamp
- Suitable for the automobile industry, with fluids such as water and air

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

ASR

Push-lock hose ASR



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX. WORKING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (m)
ASR06	1/4"	6	6,5 +0,4 -0,3	12,0 - 13,0	45	16	140	40
ASR10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	16	170	40
ASR13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	16	260	40
ASR16	5/8"	16	16,0 +0,7 -0,3	23,4 - 25,0	115	16	340	40
ASR20	3/4"	20	19,3 ±0,5	26,0 - 28,0	135	16	420	40
ASR25	1"	25	25,6 ±0,5	34,0 - 36,0	165	16	640	40

DN		Black	* Blue	* Red	* Green
1/4"	6	ASR06NE	ASR06BL	ASR06RO	ASR06VD
3/8"	10	ASR10NE	ASR10BL	ASR10RO	ASR10VD
1/2"	13	ASR13NE	ASR13BL	ASR13RO	ASR13VD
5/8"	16	ASR16NE	ASR16BL	ASR16RO	ASR16VD
3/4"	20	ASR20NE	ASR20BL	ASR20RO	ASR20VD
1"	25	ASR25NE	ASR25BL	ASR25RO	ASR25VD

* **Blue, Red and Green:** available on demand and min. quantity

Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels and hydraulic and lubricating oils. Use our ASR hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsability. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.



-40°C ÷ +75°C air
0°C ÷ +120°C water
Environment temperature:
-40°C ÷ +120°C

Max. working pressure:
14 Bar

Compressed air & industrial water

Inner layer:
synthetic rubber

Reinforcement:
high tensile textile layer

Outer layer:
high performance synthetic rubber

FEATURES

- High flexibility
- High abrasion resistance
- 100% silicone free
- For use without hose clamp
- For use in the injection moulding sector and automobile industry for the transport of demineralized water up to 120°C with corrosion inhibitor and air up to 75°C.

SILICONE FREE

Products in compliance with EC Regulation 1907/2006

RoHS3

Products in compliance with the directive EU 2015/863

ASR-HH

Push-lock hose ASR-HH



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	MAX. WORKING PRESSURE AT 20°C (Bar)	g/m	Q.TY FOR ROLL (m)
ASR-HH06	1/4"	6	6,5 +0,4 -0,3	12,0 - 13,0	45	14	125	40
ASR-HH10	3/8"	10	9,7 ±0,4	14,8 - 16,0	75	14	150	40
ASR-HH13	1/2"	13	13,0 ±0,5	18,5 - 20,0	90	14	235	40
ASR-HH16	5/8"	16	16,0 +0,7 -0,3	23,4 - 25,0	115	14	350	40

DN		Blue	Red
1/4"	6	* ASR-HH06BL	ASR-HH06RO
3/8"	10	ASR-HH10BL	ASR-HH10RO
1/2"	13	ASR-HH13BL	ASR-HH13RO
5/8"	16	ASR-HH16BL	ASR-HH16RO

* available on request and min. quantity

Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels and hydraulic and lubricating oils. Use our ASR-HH hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsability. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.



-20°C ÷ +80°C air
0°C ÷ +80°C water
Environment temperature:
-20°C ÷ +80°C

Working pressure:
See the table
Negative pressure:
See the table

Compressed air, industrial water and fluids suitable with construction materials

Inner layer:
polyurethane
Reinforcement:
high tensile textile layer
Outer layer:
polyurethane

FEATURES

- High abrasion resistance
- Tear resistance
- 100% silicone free
- UV & ozone resistance
- For use without hose clamp
- Good resistance to mineral oil, oily elements, oxygen, acids and diluted alkaline
- Suitable for individual applications, especially for the robotic and automobile industry for air, water and different gases

SILICONE FREE

REACH COMPLIANT — Products in compliance with EC Regulation 1907/2006

RoHS3 — Products in compliance with the directive EU 2015/863

ASR-PU

Push-lock hose ASR-PU



CODE	DN		ID (mm)	OD (mm)	MIN. BENDING RADIUS (mm)	WORKING PRESSURE AT 20°C (Bar)	NEGATIVE PRESSURE (Bar)	g/m
ASR-PU06	1/4"	6	6,4	13	25	13	0,8	110
ASR-PU10	3/8"	10	9,5	16	60	13	0,8	154
ASR-PU13	1/2"	13	12,5	19	75	13	0,8	218
ASR-PU16	5/8"	16	16,5	23	125	12	0,8	280
ASR-PU20	3/4"	20	19,5	27	150	10	0,8	325

DN		Black	✱ Light blue	✱ Red	✱ Green
1/4"	6	ASR-PU06NE	ASR-PU06AZ	ASR-PU06RO	ASR-PU06VD
3/8"	10	ASR-PU10NE	ASR-PU10AZ	ASR-PU10RO	ASR-PU10VD
1/2"	13	ASR-PU13NE	ASR-PU13AZ	ASR-PU13RO	ASR-PU13VD
5/8"	16	ASR-PU16NE	ASR-PU16AZ	ASR-PU16RO	ASR-PU16VD
3/4"	20	ASR-PU20NE	ASR-PU20AZ	ASR-PU20RO	ASR-PU20VD

✱ **Light blue, Red and Green:** available on request and min. quantity

Restrictions: not permitted for use in air brake systems and high dynamic pulsation systems. Not recommended for fuels. Use our ASR-PU hoses only in conjunction with our barb connectors. The use of other type of connectors are under customers' responsability. All information mentioned in this document are based on tests done with the greatest care at a room temperature of +20°C. However, these data are not binding, being subjected to the different application areas, the working temperature and the hose lifetime.

FITTINGS TECHNICAL DATA

YELLOW BRASS FITTINGS:

Materials: Turning: Yellow brass UNI EN 12164 CW614N - Hot forging & machining: Yellow brass UNI EN 12165 CW617N
Turning: ASTM B16 C3600 - Hot forging & machining: ASTM B124 C3770 (SPHM-R-BS, SPHM-N-BS & SPHU-BS)
Pressure: 25 Bar (the working pressure depends on the tube used)
Temperature: from 0°C to 80°C (the working temperature depends on the tube used)
from -49°C to 149°C (SPHM-R-BS, SPHM-N-BS & SPHU-BS), the working temperature depends on the tube used
Passage: Compressed air and fluids suitable with construction materials

GALVANISED STEEL FITTINGS:

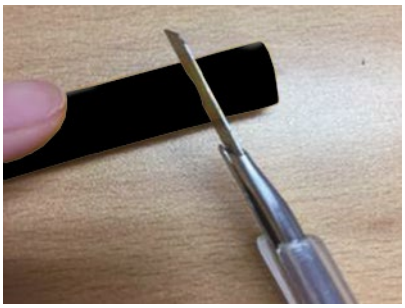
Material: Galvanised steel (Cr type II galvanisation)
Pressure: 16 Bar (the working pressure depends on the tube used)
Temperature: da -20°C a 120°C (the working temperature depends on the tube used)
Passage: Compressed air and fluids suitable with construction materials

STAINLESS STEEL AISI 316L FITTINGS:

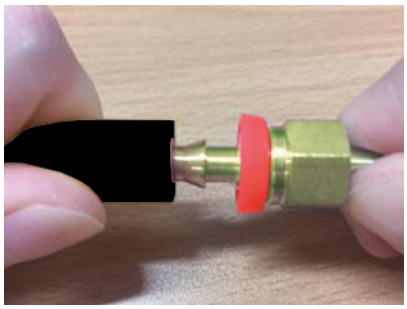
Material: Stainless steel AISI 316L
Max pressure (at 38°C): 25 Bar (the working pressure depends on the tube used)
Temperature: from -49°C to 149°C (the working temperature depends on the tube used)
Passage: Compressed air and fluids suitable with construction materials

ASSEMBLY INSTRUCTIONS

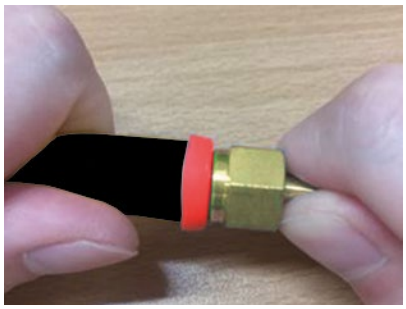
HOW TO ASSEMBLY



1. Cut the hose vertically and leave its end clean.

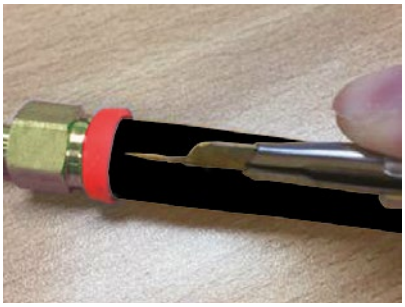


2. Insert the barb connector into the hose (use soapy water to lubricate and make the insertion easier).

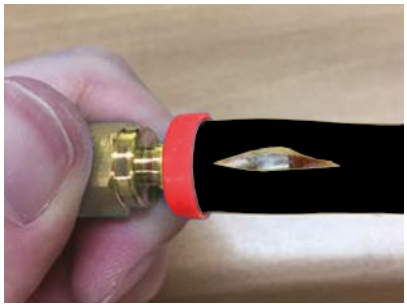


3. Insert the fitting into the hose till the end of the plastic cap.
4. Ensure that the hose is completely inserted.

HOW TO DISASSEMBLY



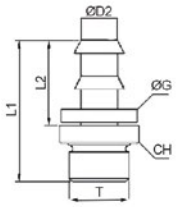
1. Cut the hose lenghtwise from the plastic cap to the end of the barb.



2. Bend the hose to expose the barbs, then remove the hose pulling.

3467 Brass male barb connector BSPP thread with metal-nitrile composite gasket





CODE	DN		T	ØD2	L1	L2	ØG	CH	g
3467TR1814	1/4"	6	G 1/8"	4,0	31,5	20,0	14,0	13	14,0
3467TR1438	3/8"	10	G 1/4"	7,5	39,1	24,1	17,0	17	27,0
3467TR3838	3/8"	10	G 3/8"	7,5	42,5	24,1	17,0	22	47,0
3467TR3812	1/2"	13	G 3/8"	10,0	46,5	28,0	20,5	22	48,0
3467TR1212	1/2"	13	G 1/2"	10,0	48,5	28,0	20,5	27	79,0
3467TR1258	5/8"	16	G 1/2"	13,5	56,5	36,5	24,0	27	73,0
3467TR3434	3/4"	20	G 3/4"	16,0	65,3	43,0	27,0	32	123,0

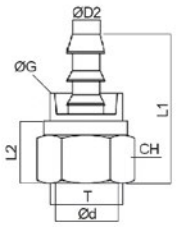


2605 Metal-nitrile composite gasket

CODE	2605TR18	2605TR14	2605TR38	2605TR12	2605TR34	2605TR1
THREAD	1/8"	1/4"	3/8"	1/2"	3/4"	1"

3468 Swivel brass female barb connector metric thread





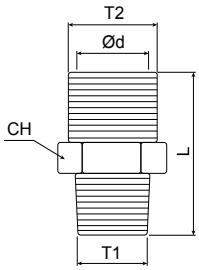
CODE	DN		T	ØD2	Ød	L1	L2	ØG	CH	g
3468TRM1014	1/4"	6	M10x1	4,0	6	33,5	11,0	14,0	13	17,0
3468TRM1214	1/4"	6	M12x1	4,8	8	34,5	13,0	14,0	14	18,0
3468TRM1614	1/4"	6	M16x1,5	4,8	10	35,8	15,0	14,0	19	33,0
3468TRM1638	3/8"	10	M16x1,5	7,5	10	39,3	15,0	17,0	19	35,0
3468TRM2038	3/8"	10	M20x1,5	7,5	14	39,3	15,0	17,0	24	52,0
3468TRM2012	1/2"	13	M20x1,5	10,0	14	44,0	15,0	20,5	24	56,0
3468TRM2212	1/2"	13	M22x1,5	10,0	16	45,0	17,0	20,5	27	77,0
3468TRM2412	1/2"	13	M24x1,5	10,0	18	47,0	18,0	20,5	30	99,0
3468TRM2458	5/8"	16	M24x1,5	13,5	18	55,0	18,0	24,0	30	97,0
3468TRM3034	3/4"	20	M30x1,5	16,0	22	62,0	18,5	27,0	36	137,0
3468TRRM361	1"	25	M36x1,5	22,0	28	71,3	21,0	36,5	42	249,0

The barb connector 3468 can be combined with our yellow brass compression fittings range.
Refer to Ød in order to chose the right combintion.

3400-SC

Brass straight male adapter BSPT & metric thread



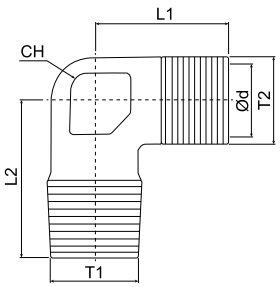


CODE	T1	T2	Ød	L	CH	g
3400TR186-SC	R 1/8"	M10x1	6	19,0	11	8,0
3400TR146-SC	R 1/4"	M10x1	6	22,5	14	14,0
3400TR188-SC	R 1/8"	M12x1	8	19,5	13	9,0
3400TR148-SC	R 1/4"	M12x1	8	23,0	14	14,0
3400TR388-SC	R 3/8"	M12x1	8	24,5	17	22,0
3400TR1810-SC	R 1/8"	M16x1,5	10	23,5	17	20,0
3400TR1410-SC	R 1/4"	M16x1,5	10	27,0	17	24,0
3400TR3810-SC	R 3/8"	M16x1,5	10	27,5	17	32,0
3400TR1210-SC	R 1/2"	M16x1,5	10	32,0	22	43,0
3400TR1414-SC	R 1/4"	M20x1,5	14	27,0	22	34,0
3400TR3814-SC	R 3/8"	M20x1,5	14	27,5	22	35,0
3400TR1214-SC	R 1/2"	M20x1,5	14	32,0	22	44,0
3400TR1216-SC	R 1/2"	M22x1,5	16	32,5	24	51,0
3400TR1218-SC	R 1/2"	M24x1,5	18	34,5	27	63,0
3400TR3418-SC	R 3/4"	M24x1,5	18	35,0	27	74,0
3400TR1222-SC	R 1/2"	M30x1,5	22	36,0	32	93,0
3400TR3422-SC	R 3/4"	M30x1,5	22	36,0	32	98,0
3400TR122-SC	R 1"	M30x1,5	22	41,0	36	135,0
3400TRR128-SC	R 1"	M36x1,5	28	46,0	41	160,5

3440-SC

Brass male elbow adapter BSPT & metric thread





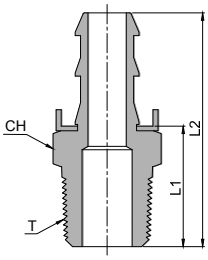
CODE	T1	T2	Ød	L1	L2	CH	g
3440TR186-SC	R 1/8"	M10x1	6	17,6	18,0	8	12,0
3440TR146-SC	R 1/4"	M10x1	6	17,6	21,5	10	21,0
3440TR188-SC	R 1/8"	M12x1	8	22,4	18,5	10	18,0
3440TR148-SC	R 1/4"	M12x1	8	22,4	22,0	10	22,0
3440TR388-SC	R 3/8"	M12x1	8	22,4	24,0	12	33,0
3440TR1410-SC	R 1/4"	M16x1,5	10	24,0	25,0	12	31,0
3440TR3810-SC	R 3/8"	M16x1,5	10	24,0	25,0	12	42,0
3440TR1210-SC	R 1/2"	M16x1,5	10	28,8	32,0	19	88,0
3440TR3814-SC	R 3/8"	M20x1,5	14	28,0	30,0	19	70,0
3440TR1214-SC	R 1/2"	M20x1,5	14	28,0	32,0	19	74,0
3440TR3816-SC	R 3/8"	M22x1,5	16	31,2	30,0	19	87,0
3440TR1216-SC	R 1/2"	M22x1,5	16	31,2	33,5	19	69,0
3440TR1218-SC	R 1/2"	M24x1,5	18	32,8	35,5	23	109,0
3440TR3418-SC	R 3/4"	M24x1,5	18	32,8	36,5	23	145,0
3440TR3422-SC	R 3/4"	M30x1,5	22	40,0	40,0	27	203,0
3440TR122-SC	R 1"	M30x1,5	22	40,0	44,0	27	231,0

drawings and technical data are not binding & can be changed without notice

SPHM-R-BS

Brass male barb connector BSPT thread



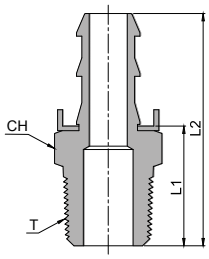


CODE	DN		T	CH	L1	L2	g
SPHM-4-4R-BS	1/4"	6	R 1/4"	15	22,9	42,7	24,0
SPHM-6-4R-BS	3/8"	10	R 1/4"	15	22,9	45,0	27,0
SPHM-6-6R-BS	3/8"	10	R 3/8"	18	24,6	46,7	27,0
SPHM-8-8R-BS	1/2"	12	R 1/2"	22	28,7	55,6	76,0
SPHM-12-12R-BS	3/4"	20	R 3/4"	27	33,8	76,0	143,0
SPHM-16-16R-BS	1"	25	R 1"	35	38,6	85,6	255,0

SPHM-N-BS

Brass male barb connector NPT thread



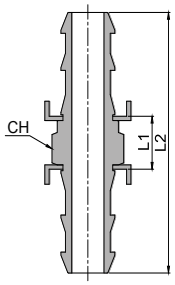


CODE	DN		T	CH	L1	L2	g
SPHM-4-4N-BS	1/4"	6	N 1/4"	15	22,9	42,7	24,0
SPHM-6-4N-BS	3/8"	10	N 1/4"	15	22,9	45,0	27,0
SPHM-6-6N-BS	3/8"	10	N 3/8"	18	24,6	46,7	27,0
SPHM-8-8N-BS	1/2"	12	N 1/2"	22	28,7	55,6	76,0
SPHM-12-12N-BS	3/4"	20	N 3/4"	27	33,8	76,0	143,0
SPHM-16-16N-BS	1"	25	N 1"	35	38,6	85,6	255,0

SPHU-BS

Brass union barb connector

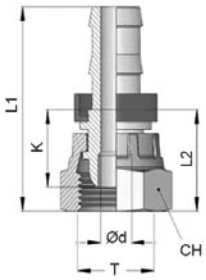




CODE	DN		CH	L1	L2	g
SPHU-4-4-BS	1/4"	6	11	10,7	50,3	-
SPHU-6-6-BS	3/8"	10	15	13,2	57,4	-
SPHU-8-8-BS	1/2"	12	18	13,7	67,5	-
SPHU-12-12-BS	3/4"	20	24	14,3	98,7	-
SPHU-16-16-BS	1"	25	32	16,5	110,5	-

3470 Swivel steel female barb connector BSPP thread, 60° ogival seat



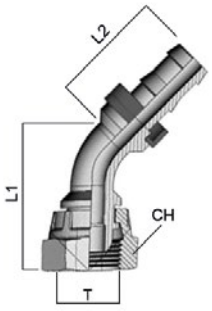


	CODE	DN		Ød	T	L1	L2	K	CH	g
	3470TR14	1/4"	6	4,0	G 1/4"	37,2	17,9	13,2	19	30,0
	3470TR38	3/8"	10	7,0	G 3/8"	44,2	21,7	14,2	22	48,0
	3470TR12	1/2"	12	9,5	G 1/2"	51,2	28,5	22,5	27	81,0
*	3470TR34	3/4"	20	14,5	G 3/4"	68,2	39,2	27,6	32	139,0
*	3470TR1	1"	25	20,0	G 1"	74,0	38,4	28,4	41	239,0

* 3/4" and 1" thread without plastic collar

3471 Swivel steel elbow 45° female barb connector BSPP thread, 60° ogival seat



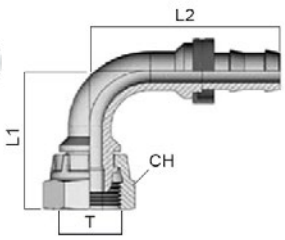


	CODE	DN		T	L1	L2	CH	g
	3471TR14	1/4"	6	G 1/4"	39,5	25,0	19	40,0
	3471TR38	3/8"	10	G 3/8"	51,0	31,0	22	65,0
	3471TR12	1/2"	12	G 1/2"	64,5	36,0	27	118,0
*	3471TR34	3/4"	20	G 3/4"	88,5	51,0	32	212,0
*	3471TR1	1"	25	G 1"	88,5	73,5	46	398,0

* 3/4" and 1" thread without plastic collar

3472 Swivel steel elbow 90° female barb connector BSPP thread, 60° ogive seat





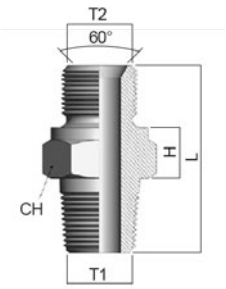
	CODE	DN		T	L1	L2	CH	g
	3472TR14	1/4"	6	G 1/4"	29,5	40,0	19	40,0
	3472TR38	3/8"	10	G 3/8"	42,0	53,5	22	70,0
	3472TR12	1/2"	12	G 1/2"	50,0	62,5	27	120,0
*	3472TR34	3/4"	20	G 3/4"	69,0	90,0	32	238,0
*	3472TR1	1"	25	G 1"	86,5	105,0	40	433,0

* 3/4" and 1" thread without plastic collar

3474

Steel straight adapter BSPT thread, 60° ogive seat



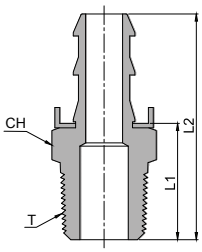


CODE	T1	T2	L	H	CH	g
3474TR14	R 1/4"	G 1/4"	33,0	8	19	31,0
3474TR38	R 3/8"	G 3/8"	39,0	11	22	50,0
3474TR12	R 1/2"	G 1/2"	43,0	10	27	86,0
3474TR34	R 3/4"	G 3/4"	46,5	11	32	144,0
3474TR1	R 1"	G 1"	56,0	13	41	236,0

SPHM-R

Stainless steel AISI 316L male barb connector BSPT thread



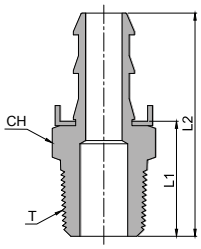


CODE	DN		T	L1	L2	CH	g
SPHM-4-4R	1/4"	6	R 1/4"	22,9	42,7	15	21,0
SPHM-6-4R	3/8"	10	R 1/4"	22,9	45,0	15	25,0
SPHM-6-6R	3/8"	10	R 3/8"	24,6	46,7	18	25,0
SPHM-8-8R	1/2"	12	R 1/2"	28,7	55,6	22	70,0
SPHM-12-12R	3/4"	20	R 3/4"	33,8	76,0	27	130,0
SPHM-16-16R	1"	25	R 1"	38,6	85,6	35	240,0

SPHM-N

Stainless steel AISI 316L male barb connector NPT thread



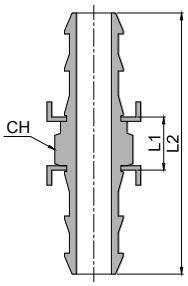


CODE	DN		T	L1	L2	CH	g
SPHM-4-4N	1/4"	6	N 1/4"	22,9	42,7	15	21,0
SPHM-6-4N	3/8"	10	N 1/4"	22,9	45,0	15	25,0
SPHM-6-6N	3/8"	10	N 3/8"	24,6	46,7	18	25,0
SPHM-8-8N	1/2"	12	N 1/2"	28,7	55,6	22	70,0
SPHM-12-12N	3/4"	20	N 3/4"	33,8	76,0	27	130,0
SPHM-16-16N	1"	25	N 1"	38,6	85,6	35	240,0

SPHU

Stainless steel AISI 316L union barb connector



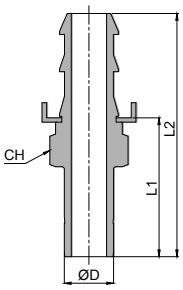


CODE	DN		L1	L2	CH	g
SPHU-4-4	1/4"	6	10,7	50,3	11	-
SPHU-6-6	3/8"	10	13,2	57,4	15	27,2
SPHU-8-8	1/2"	12	13,7	67,5	18	-
SPHU-12-12	3/4"	20	14,3	98,7	24	-
SPHU-16-16	1"	25	16,5	110,5	32	-

SPHA

Stainless steel AISI 316L barb connector with stem

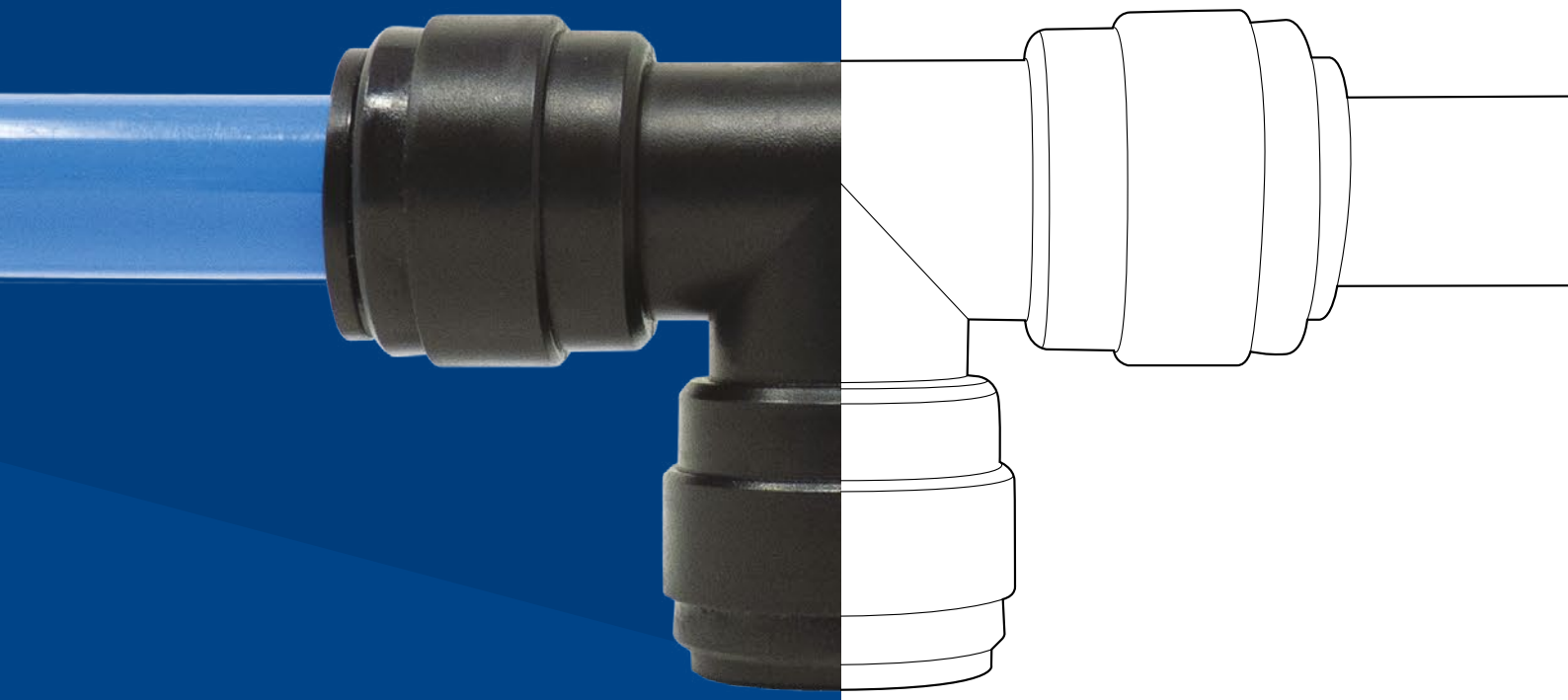




CODE	DN		ØD	L1	L2	CH	g
SPHA-4-4T	1/4"	6	1/4"	25,2	45,0	11	57,0
SPHA-6-6T	3/8"	10	3/8"	29,5	51,6	15	57,0
SPHA-8-8T	1/2"	12	1/2"	35,8	62,7	18	57,0
SPHA-12-12T	3/4"	20	3/4"	37,6	79,8	24	89,6
SPHA-16-16T	1"	25	1"	46,7	93,7	32	176,5

The SPHA barb connector can be combined with our S-LOK range (INOX.Fit catalogue).
Use the ØD as a reference to choose the correct combination.

AIR DISTRIBUTION NETWORKS



TECHNICAL INDEX



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AIR DISTRIBUTION NETWORKS

AIR DISTRIBUTION NETWORKS

PLUS

SIMPLE AND FAST INSTALLATION THANKS TO PUSH-IN FITTINGS WHICH GUARANTEE RELIABILITY AND AFFORDABILITY

IDEAL FOR SMALL AIR DISTRIBUTION NETWORKS AND FOR LINE EDGES ON INDUSTRIAL INSTALLATIONS

SYSTEM IS COMPATIBLE WITH WIDE RANGE OF TIERRE ACCESSORIES AND EASLY INTEGRATED



p. 783 / **AL**



p. 783 / **CC**



p. 784 / **STFT**



p. 784 / **HPC-G**



p. 784 / **HUC**



p. 784 / **HUL**



p. 785 / **HUT**



p. 785 / **HCJ-G**



p. 785 / **HLJ**



p. 785 / **HPF**



p. 786 / **HPP**



p. 786 / **HGJ**



p. 786 / **HBVU**



p. 786 / **HCP**



p. 787 / **FPSAS**



p. 787 / **FPDAS**



p. 787 / **FPWLM1**



p. 787 / **FPWLM2**



-20°C ÷ 70°C

Working pressure:
15 Bar
Negative pressure:
- 0,8 Bar (- 80 Kpa)

Compressed air, vacuum and nitrogen

Polyethylene PE, polyamide PA, aluminium (only our AL series)

The system is only guaranteed by using fittings and tubes from our range

Parallel gas BSPP ISO 228
G1/2" and G3/4"

FEATURES
RAL 5015 and 7001 electrostatic coating

Tube:
Aluminium EN AW-6060 T6 with fluotitanation treatment

Fittings:
Body: POM
Collet: POM
Lock claw: Stainless steel AISI 301
Seal: EPDM
O-ring: EPDM

Applique for wall installation:
FPSAS & FPDAS: SS AISI 316L
FPWLM1 & FPWLM2: Aluminium

Products in compliance with EC Regulation 1907/2006

Products in compliance with the directive EU 2015/863

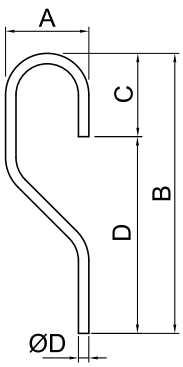
AL — Aluminium pipe 4 meters light blue



CODE	Ø ODxID	THICKNESS	LENGTH	g/m
AL1512-AZ-S	15x12	1,5	4 m	180,0
AL2219-AZ-S	22x19	1,5	4 m	240,0

CC — Aluminium drop bend light blue





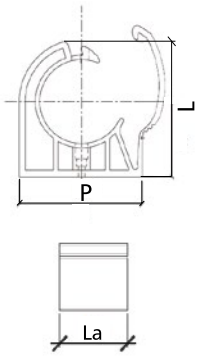
CODE	ØD	A	B	C	D	g
CC15	15	110	435	102,5	332,5	120
CC22	22	160	550	155	395	209

drawings and technical data are not binding & can be changed without notice

STFT

Fixing clip for pipes



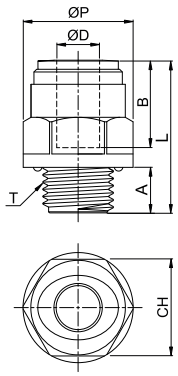


CODE	ØOD	P	L	La	g
STFT15	15	29,7	30,2	15	4
STFT22	22	39,5	38	15	6

HPC-G

Male connector BSPP thread





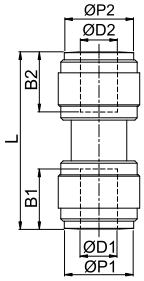
	CODE	ØD	T	ØP	A	B	L	CH	g
*	HPC12G04B	12	G 1/2"	28,5	12,5	24,7	32,7	26	12,4
	HPC15G04B	15	G 1/2"	28,8	12,5	29,4	43,4	26	17,0
	HPC15G06B	15	G 3/4"	39,0	14,5	29,4	39,0	33	24,5
	HPC22G06B	22	G 3/4"	37,0	14,5	33,8	51,0	33	28,2

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HUC

Union connector





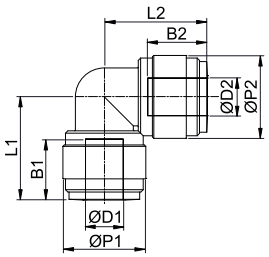
	CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L	g
*	HUC1212B	12	12	23	23	24,7	24,7	52,4	14,4
	HUC1515B	15	15	28	28	29,4	29,4	61,8	23,4
	HUC2222B	22	22	35,5	35,5	33,8	33,8	70,6	37,7

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HUL

Union elbow



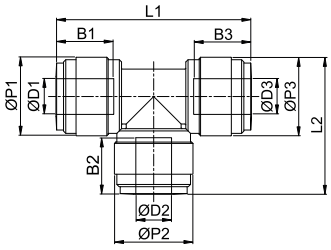


	CODE	ØD1	ØD2	ØP1	ØP2	B1	B2	L1	L2	g
*	HUL1212B	12	12	23	23	24,7	24,7	43,2	43,2	16,4
	HUL1515B	15	15	28	28	29,4	29,4	52,2	52,2	27,4
	HUL2222B	22	22	35,5	35,5	33,8	33,8	63,9	63,9	46,8

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HUT — Union tee



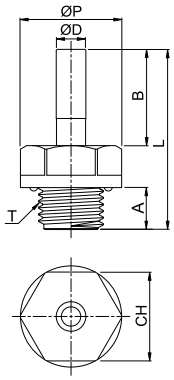


	CODE	ØD1	ØD2	ØD3	ØP1	ØP2	ØP3	B1	B2	B3	L1	L2	g
*	HUT1212B	12	12	12	23	23	23	24,7	24,7	24,7	63,4	43,2	23,2
	HUT1515B	15	15	15	28	28	28	29,4	29,4	29,4	76,4	52,2	38,2
	HUT2222B	22	22	22	35,5	35,5	35,5	33,8	33,8	33,8	92,3	63,9	64
	REDUCED UNION TEE												
*	HUT221222B	22	12	22	35,5	23	35,5	33,8	24,7	33,8	83	55,8	50,3
	HUT221522B	22	15	22	35,5	28	35,5	33,8	30,4	33,8	87	61	57,1

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HCJ-G — Stem adapter BSPP thread

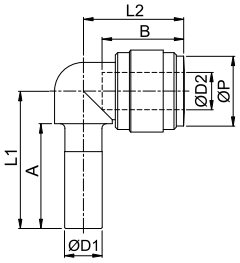




CODE	ØD	T	ØP	A	B	L	CH	g
HCJ12G04B	12	G 1/2"	28,5	12,5	28	49	26	11,2
HCJ15G03B	15	G 3/8"	24,2	9	35	52,5	22	9,5
HCJ15G04B	15	G 1/2"	28,8	12,5	36	57	26	13,1
HCJ22G04B	22	G 1/2"	28,4	12,5	41	62	26	16,8
HCJ22G06B	22	G 3/4"	39	14,5	41	67,5	33	25,8

HLJ — Union elbow tube with stem



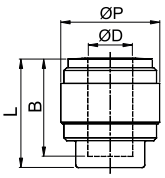


	CODE	ØD1	ØD2	ØP	A	B	L1	L2	g
*	HLJ1212B	12	12	23,6	29,5	24,7	51,2	39	12,6
	HLJ1515B	15	15	28	35	29,4	61,3	48,5	21,7
	HLJ2222B	22	22	35,5	41	33,8	75,5	58	38,9

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HPF — Female plug



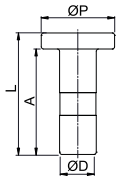


	CODE	ØD	ØP	B	L	g
*	HPF12B	12	23	24,7	26,7	7,3
	HPF15B	15	28	29,4	32,1	12,6
	HPF22B	22	35,5	33,8	36,6	20,6

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HPP — Male plug

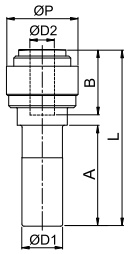




CODE	ØD	ØP	A	L	g
HPP12B	12	21	30	34	4
HPP15B	15	25	36	40	6,4
HPP22B	22	33	41	45,5	12,2

HGJ — Stem reduction

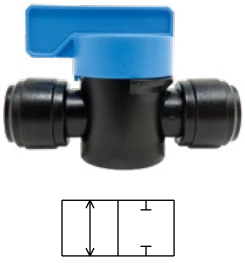


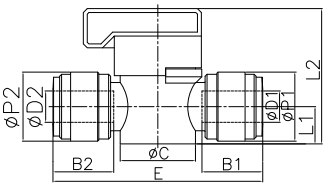


	CODE	ØD1	ØD2	ØP	A	B	L	g
*	HGJ1512B	15	12	23,6	35	24,7	61,7	11,3
	HGJ2215B	22	15	28	41	29,4	70,4	19,7

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HBVU — Two-ways union hand valve, flow tube-tube



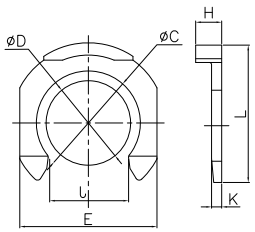


	CODE	ØD1	ØD2	B1	B2	ØP1	ØP2	L1	L2	E	ØC	g
*	HBVU1212B	12	12	23,7	23,7	23	23	12,5	42,3	70,4	24,2	35,4

* Ø12 usable with PA12 tube on page 722 and PE tube on page 727

HCP — Locking clip

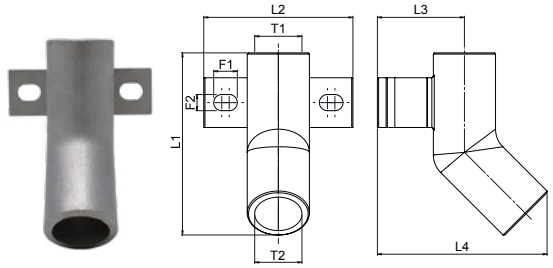




CODE	ØD	ØC	E	L	H	J	K	g
HCP12-1/2BL	12	14,4	19	19	3,6	11,1	1,4	0,3
HCP15BL	15	17	22,5	22,6	3,6	13,1	1,4	0,45
HCP22BL	22	24	30	29,3	3,8	19,1	1,9	0,84

FPSAS

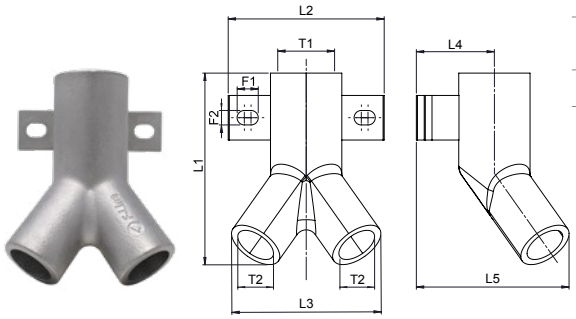
Single applique - Stainless steel AISI 316L



CODE	T1	T2	L1	L2	L3	L4	F1	F2	g
FPSAS-G04G04	G 1/2"	G 1/2"	73,5	60	35	68,5	9,5	6,5	159

FPDAS

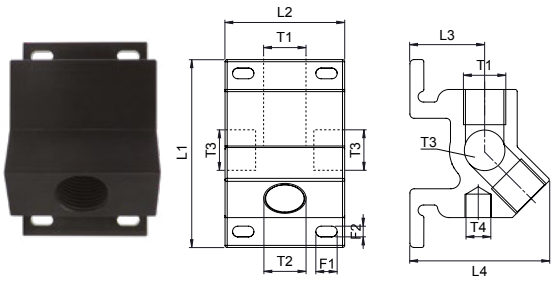
Double applique - Stainless steel AISI 316L



CODE	T1	T2	L1	L2	L3	L4	L5	F1	F2	g
FPDAS-G05G04	G 3/4"	G 1/2"	86	70	67	35	68,5	9,5	6,5	265

FPWLM1

Single applique - Aluminium

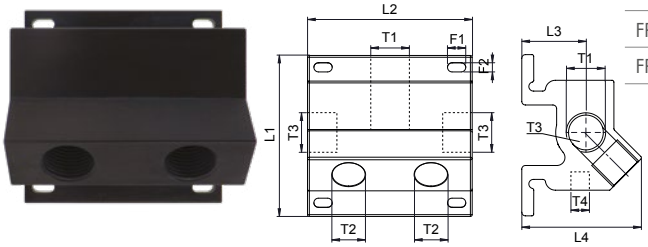


CODE	T1 IN	T2 OUT	T3	*T4	L1	L2	L3	L4	F1	F2	g
FPWLM1-G04G04	G 1/2"	1xG 1/2"	G 1/2"	G 1/4"	88	56	35	66	10	5	325

* Blind thread

FPWLM2

Double applique - Aluminium



CODE	T1 IN	T2 OUT	T3	*T4	L1	L2	L3	L4	F1	F2	g
FPWLM2-G04G04	G 1/2"	2xG 1/2"	G 1/2"	G 1/4"	88	90	35	65,7	10	5	530
FPWLM2-G05G04	G 3/4"	2xG 1/2"	G 1/2"	G 1/4"	88	90	35	65,7	10	5	515

* Blind thread

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CHEMICAL SEAL TABLE AT 23°C

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
ACETALDEHYDE	B - G			B	B
AMYL ACETATE	B	L			B
AMMONIUM ACETATE	B				
BUTYL ACETATE	B	L	L		B
POTASSIUM ACETATE (25°C)	B	B		B	B
METHYL ACETATE	B				B
ACETYLENE	B	B			B
VINEGAR				B	
ACETONE	B	L	P	L	B
ACETIC ACID 5%	B	B	L	B	B
BENZOIC ACID	B				B
BORIC ACID	B	B	L	B	B
BROMIC ACID				B	
CARBONIC ACID				B	B
PRUSSIC ACID				B	B
CITRIC ACID	B	B	L	B	B
HYDROCHLORIC ACID 10%	B	L	P	B	B
CHROMIC ACID 10% ACID	P	P	P	L	B
HYDROFLUORIC ACID 40%	P	P	P	B	P
FORMIC ACID 50%	P	P	P	B	B
PHOSPHORIC ACID 10%	B		L		B
LACTIC ACID 10%	B	L	P	B	B
MALEIC ACID				B	B
NITRIC ACID	P	P	P	P	B
OLEIC ACID	B	B			B
OXALIC ACID	B				B
PERCHLORIC ACID	P	P	P	P	B
PICRIC ACID	L				B
SALICYLIC ACID	B				
SUPHURIC ACID 10%	B	B	L	B	B
SUPHURIC ACID 30%	L			B	B
STEARIC ACID	B	L			B
SUCCINIC ACID	B				
TANNIC ACID 10%.		B			B
TARTARIC ACID	B	L			B
URIC ACID	B				
WATER	B	B	B		
WATER + CO2	B	B			

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
BROMINE WATER - CHLORINE	P				
SEA WATER	B	B	B		
HYDROGEN PEROXIDE 20 VOL.	L			B	B
AQUA REGIA	P			P	B
AMYL ALCOHOL	B - G		L		
BENZYLIC ALCOHOL	L		P		B
BUTYL ALCOHOL				B	B
DENATURED ALCOHOL	B - G				B
DIACETONE ALCOHOL	B				
ETHYL ALCOHOL	B - G	B	P	B	B
ISOPROPYL ALCOHOL	B - G	B			B
METHYL ALCOHOL	B - G	B	P	B	B
ACETIC ALDEHYDE	B - G			B	B
BENZALDEHYDE	B				
ALUM	B			B	
ALUMINIUM				B	
STARCH	B				
PURE AMYL ACETATE				P	
AMINE			P		
AMMONIA	L	P	P	B	B
AMMONIA 10%	B	P	P	B	B
ACETIC ANHYDRIDE	L	L			B
CARBON DIOXIDE	B	B			B
PHOSPHORIC ANHYDRIDE				B	
SULFUR DIOXIDE	L	P		P	B
ANILINE	L - G	P	P		B
ANTIFREEZE	B		L		
ARCOPAL				B	
ARGON	B		P		
CALCIUM ARSENATE	B				
NITROGEN	B				
BENZALDEHYDE	B				
BENZENE	B		L	P	B
BENZINE	B	L	B	P	B
BENZOL	B	L	L		
SODIUM BICARBONATE	B				B
POTASSIUM BICHROMATE	L				
BIO DIESEL	B	L			
BEER				B	B
CARBON DISULPHIDE	B - G				
BITUMEN	B	L			
BORON	B				B
BROMINE	P	P	P	P	B
POTASSIUM BROMIDE				B	
ETHYL AND METHYL BROMIDE	B				
BUTTER				B	
BUTANE	B	B			B
COFFEE				B	
HYDRATED LIME	B				

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
CHLORINE WATER 5%	B	L	P	B	B
CAMPHOR				B - L	
ASTM FUEL C + METHANOL 85/15			L		
AMMONIUM CARBONATE	B				
CHLORINE CARBONATE			L		
FLUORINE CARBONATE			L		
POTASSIUM CARBONATE	B				
SODIUM CARBONATE 50%	B				
CARBON				B	
ASTM FUEL A-B-C-D DIN 51604			P		
LIQUID WAX	B				
KETONES				L	B
CYCLOPENTANE	B				
SODIUM CHLORATE 25%	B				
CHLORINE	P	P		P	B
CHLORINE BENZENE	L	P			B
CHLOROFORM	L	P	P	P	B
CHLORONITROBENZENE	P				
ALUMINIUM CHLORIDE				B	B
AMMONIUM CHLORIDE	L	B			B
ETHYLENE CHLORIDE	B	L			B
BARIUM CHLORIDE	B				B
CALCIUM CHLORIDE	B	B	B		B
MAGNESIUM CHLORIDE 50%	B	L			B
METHYL CHLORIDE GAS	B				B
METHYLENE CHLORIDE LIQUID	L	P	P		B
POTASSIUM CHLORIDE	B				B
SODIUM CHLORIDE	B	B	B		B
TIN CHLORIDE	B				
VINYL CHLORIDE	B				B
ZINC CHLORIDE	B	B			B
FERRIC CHLORIDE	B	L		B	B
FERROUS CHLORIDE				B	B
CYCLOHEXANE	B	B	L		B
CYCLOHEXANOL	B				
CYCLOHEXANONE	B		P		B
DDT POWDER				B	
DECAYDRONAPHTHALINE	B				
DECALIN	B				B
SYNTHETIC DETERGENTS	B	L			
DETERGENTS				B	
DIBUTYL PHTHALATE				P	B
DICHLOROETHANE	L				
DICHLOROETHYLENE	L		P		
DIETHALONAMINE	B				B
DIPHENYL	B				
DIMETHYL KETONE	B	L	P		
DIMETHYLETHER (DME)	B				
DIMETHYLFORMAMIDE	B		P		

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
DIMETHYLSULPHATE	B		P		
DIOCTYLPHOSPHATE	B				
DIOXINE	B				B
HELIUM	B		B		
PHOTOGRAPHIC EMULSIONS				B	
HEPTANE	B				
HEXANE	B				
ESSENCE OF TURPENTINE	B				
PETROLEUM ETHER	B				
ETHYL ESTER	B				
PHOSPHORIC ESTER	B				B
SULFATED ESTER	B				
FATTY ACID ESTERS	B				
TANNING EXTRACTS				B	
ETHER				P	
ETHYLBENZENE	B				
ETHYLENE	B				
PHENOL	P	P	P	P	B
IRON				B	
POTASSIUM FERROCYANIDE	B				
FLUORINE	P			P	P
FORANE	B				
FORANE 12 B1	L				
FORMALDEHYDE	L	L	P	B	B
FORMALIN	B				
FORMOL	B				
AMMONIUM PHOSPHATE	B				
AMMONIUM PHOSPHATE	B				B
TRISODIUM PHOSPHATE	B				
PHOSPHORUS				B	
FREON 11	B	B			L
FREON 12 - R22 - R134A - R404 - R407 - R410	B	B			L
FURFURAL	B - G				B
FURFUROL	B				B
LIGHTING GAS	B				
NATURAL GAS	B				B
DIESEL	B	B	B	P	B
GELATINE				B	
GLYCERINE	B - G	B	B		B
GLYCOL	B	L	L		B
GLUCOSE	B				B
GRAPHITE + WATER	B				
AMYL FAT	B				
ANIMAL FAT	B				B
HALON 2402	B				
HEXANOL			L		
AROMATIC HYDROCARBONS	B		P	P	B
HYDROQUINONE				B	
HYDROGEN	B	B	P		B

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
HYDROGEN SULFIDE (HYDROSULFURIC ACID)				B	B
AMMONIUM HYDROXIDE			L		B
POTASSIUM HYDROXIDE 50% (CAUSTIC POTASH)	L	P	P		B
SODIUM HYDROXIDE 10% (CAUSTIC SODA)	B	P	P	B	B
SODIUM HYDROXIDE 50% (CAUSTIC SODA)	L	P	P	B	B
SODIUM HYDROXIDE 100% (CAUSTIC SODA)	L	P	P	B	B
IGEPAL				L	
INKS				B	
IODINE				L	
IODINE OF POTASSIUM	B				
CALCIUM HYPOCHLORITE				B	B
ISOBUTANE	B		L		
ISOCYANATES	L	L	L		B
ISOCTANE	B				B
ISOFORANE	B				
ISOPROPANE			P		
KEROSENE	B	L			B
LANOLIN	B				
MILK			B	B	B
MILK OF LIME	B				
LATEX				B	
LEGUMINOUS VEGETABLES				B	
YEASTS				B	
POTASSIUM LYE	B				
CONCENTRATED SODA LYE	P				B
MAYONNAISE				B	
MARGARINE				B	
MERCURY	B				B
MERCURY CHROMIUM	B				
METHANE	B				
METHANOL (METHYL ALCOHOL)	B - G	B	P	B	
METHYL ETHYL KETONE	B	P	P	P	B
CREOSOL	P				B
HONEY				B	
CHLORBENZENE	L				B
CARBON MONOXIDE					B
MUSTARD				B	
DIESEL OIL	B	B			B
NAPHTHALENE	B	L			B
NEKANIL				P	
NICKEL				B	
AMMONIUM NITRATE	B		B		B
SILVER NITRATE				B	B
CALCIUM NITRATE	B				B
POTASSIUM NITRATE	B - G				B
SODIUM NITRATE	B		B		B
FERRIC NITRATE				B	B
NITROBENZENE	L - G	P			B
NITROMETHANE + 40/60% METHYL ALCOHOL	B - G				

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
OCTANO	B				
OLEUM	P	P			
PEANUT OIL	B	B			
ASTM OIL N°1, N°2, N°3		B	B		
FUEL OIL				L	B
CUTTING OIL					B
TRANSFORMER OIL	B				B
RAPESEED OIL	B	L			B
COTTON OIL				B	B
LINSEED OIL	B	L			B
METHYL OIL				P	
PARAFFIN OIL	B				
PINE OIL	B				B
PYRIDINE OIL	L				
CASTOR OIL				B	
SILICONE OIL	B				
BRAKE OIL DOT 3-4-5	L	B	P		B
HYDRAULIC OIL	B	B	B		B
ENGINE OIL	B	B			B
SAE 10 OIL		B			B
VEGETABLE OIL	B		B		B
ORTHO-DICHLOROBENZENE	L				
PHOSPHORUS OXYCHLORIDE	P				
ETHYLENE OXIDE	B	B			
OXYGEN	B	B	P		B
OZONE	P	L	L	P	B
PARADICHLOROBENZENE	B				
PARAFFIN	B				
ANTIMONY PENTACHLORIDE	P				
PENTANE	B		L		
PERCHLOROETHYLENE	L	P	P		B
POTASSIUM PERMANGANATE 5%	P				
DILAUROYL PEROXIDE	B				
ORGANIC PEROXIDE	L		L		B
PETROLEUM	B				B
TETRAETHYL LEAD	B				
PURE PYRIDINE	L	P	P		B
ALUMINIUM POLYCHLORIDE					B
POTASSIUM 50%	B			B	
PROPANE	B				B
NITROUS OXIDE	L	B			B
COPPER				B	
RESORCIN	P				
SEA SALT				B	
AQUEOUS ALUMINIUM SALTS	B				
SILVER SALTS	B				
BARIUM SALTS	B				
IRON SALTS	B				
MAGNESIUM SALTS	B				

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
NICKEL SALTS	B				
COPPER SALTS	B				
ZINC SALTS	B				
SOAP SOLUTION	B	B			B
TALLOW	B				
SHAMPOO				B	
CIDER				B	
SILICATE	B				
CIANACRILIC SILICONE	B				
SILICONE GREASE - OIL	B	B	B		
SKYDROL 500B		B	L		B
ALUMINIUM SULPHATE	B		B		B
AMMONIUM SULPHATE	B	L	B		B
CALCIUM SULPHATE				B	B
MAGNESIUM SULPHATE				B	B
METHYL SULPHATE	B				
POTASSIUM SULPHATE	B				B
COPPER SULPHATE	B	B			
SODIUM SULPHATE	B				
ZINC SULPHATE				B	B
FERROUS SULPHATE				B	B
SODIUM SULPHITE	B		B		
AMMONIUM SULPHIDE				B	
CARBON SULPHIDE	B - G				
SODIUM SULPHIDE	B				
ZINC SULPHIDE	B				
WHITE SPIRIT	B				
STEARIN	B				
STYRENE	B	P			B
FRUIT JUICE			B	B	
CARBON TETRACHLORIDE	L	P	P		B
TITANIUM TETRACHLORIDE	P				
TETRAHYDROFURAN	B	L	P		
TETRAHYDRONAPHTHALENE	B				
TETRALIN	B				
THIOCARBONATE	B				
THIOPHEN	B				
SODIUM THIOSULPHATE	B				
TOLUENE	B		P	P	B
TOLUOL	B	L			
TRIBUTYLPHOSPHATE	B				B
TRICHLOROETHANE	L		P		
TRICHLOROETHYLENE	L - G	P	P	P	B
PHOSPHOROUS TRICHLORIDE	P				
TRICHRESYLPHOSPHATE	B				
UREA	B		L		B
URINE				B	
WATER VAPOUR	P	P	P	B - L	B
VASELINE	B				

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

CHEMICAL COMPOUND	POLYAMIDES	POLYESTER	POLYURETHANE	POLYETHYLENE	PTFE
NITROCELLULOSE PAINTS	B				B
OIL PAINTS				P	B
VINYL PAINTS				L	B
WINE				B	B
WHISKY				B	B
XYLENE	B	L	P	L	
SULPHUR	B	L			B
SUGAR				B	B

B: Good resistance - **L:** Limited resistance - **P:** Poor resistance - **G:** Swelling action

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