



ACCESSORIES

CHAPTER 4



Fittings and couplings

Series		Type	Page
Push-in fittings		R, RHP, RT	4.2.1
Rapid fittings		C	4.20.1
Compression fittings		O	4.25.1
Standard fittings		A	4.35.1
Quick-lock couplings		KA, SF	4.40.1

System accessories

Series		Type	Page
Multiple connectors		A013P, A113P, A213P	4.55.1
Collectors		RX, RY, RZ, RR	4.60.1
Tubes		TR, TPU, TP, TN, SR, SPU, FS, FW	4.65.1
Tube cutters		PTP, PTM, TSC	4.65.1
Blow guns		AH, AN, AM, AR, AT	4.65.1
Washers		RA, RN, RR, RF, RB	4.65.1

Air-reservoirs

Series		Type	Page
Steel air-reservoirs		SBCV	4.70.1
Accessories for air-reservoirs		STSB, PRSB, VCSB	4.70.100

Flow and exhaust regulators

Page 4.90.1

Series		Type	Page
In-line flow regulators		V52, V53, V54	4.92.1
Flow regulators for cylinders		V14, V15, V18, V19, V28, V36, V37, V38, V39, V41	4.94.1
Silenced exhaust restrictors		AVE, AVS, AVL, AVT, AVC, AR07	4.97.1
Exhaust restrictors		ASN, ASE, AR	4.99.1

Accessories with integrated function

Pag. 4.120.1

Series		Type	Page
Fittings with non return valve		V56	4.121.10
Stop fittings		V59	4.121.20
Pressure regulators		V47	4.122.10
Unidirectional pressure regulators		V57, V58	4.122.20
Pneumatic switches		V46	4.123.10
In-line pneumatic switches		V48	4.123.20
Circuit selectors		V60	4.124.10
In-line pressure-gauges		V51	4.125.10
Adjustable pressure switches		PR	4.126.10
Stop valves		V45	4.127.10
Throttle fittings		V44	4.128.10
Slow starters		V61	4.129.10
Threshold sensors		V62	4.130.10

Silencers

Page 4.150.1

Series		Type	Page
Plastic silencers		SPD, SPF, SPS, AS19, AS22	4.151.10
Sintered silencers		AC, ACQ, AE, AEA, AEB, ACT, ACI, AEP, AFE, AP, AT, ATT	4.153.10
Metal silencers		MI, M, MR, MD	4.155.10

Exhaust conveyors

Series		Type	Page
Exhaust conveyors		CSC1	4.170.1

Notes

PUSH-IN

fittings



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Push-in fittings in nickel-plated brass, for high pressures, and main body in acetalic resin (POM).
Available in many versions, threads and tube diameters.
Supplied as standard in compliance to Reach and RoHS directives.



Series R

from page 4.3.1



Series of push-in fittings in nickel-plated brass, with reduced dimensions, for connecting Nylon and Polyurethane tubes, with new collet and release collet design. Available in different configurations, with taper BSPT threads and BSP with O-ring, in various sizes. Stud threaded versions are supplied as standard with internal and external hexagonal wrench (for narrow places mounting).

Series RHP

from page 4.5.1



Series of push-in fittings in nickel-plated brass for high pressures, suitable for use in the lubrication field. They can be used up to 250 bar. Available in different configurations, with taper BSPT threads, in various sizes.

Series RT

from page 4.7.1



Series of push-in fittings in acetalic resin (POM), with reduced dimensions, for connecting Nylon and Polyurethane tubes, with new collet and release collet design. Available in different configurations, with taper BSPT threads and BSP with O-ring, in various sizes. Stud threaded versions are supplied as standard with internal and external hexagonal wrench (for narrow places mounting).

Push-in fittings Series R



Code key

Series	Type*	Ø Tube*	Thread (or Ø Tube 2)*	Seals option
R	11	08	18	V
R	11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 25, 26, 27, 27F, 29, 31, 32, 35, 36, 38, 39, 40, 41, 42, 43, 44, 51, 52, 53, 57, 59, 60, 61, 62, 63, 64, 65	03 = Ø 3 mm 04 = Ø 4 mm 06 = Ø 6 mm 08 = Ø 8 mm 10 = Ø 10 mm 12 = Ø 12 mm 14 = Ø 14 mm 16 = Ø 16 mm	M3 = M3x0,5 M5 = M5x0,8 M6 = M6x1 M7 = M7x1 12x1,25 = M12x1,25 12x1,5 = M12x1,5 18 = 1/8" 14 = 1/4" 38 = 3/8" 12 = 1/2" 34 = 3/4"	V = FKM (-10°C ÷ +150°C)

Notes

For standard materials see the table below.

* For matching between fitting type, tube diameter and thread, see from page 4.3.2; for the specific type, see the following pages.

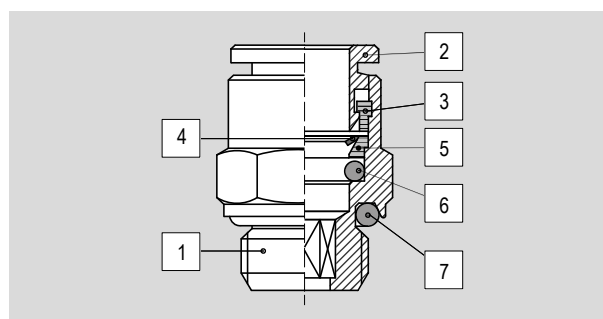
How to order

Series	Type	Ø Tube	Thread	Option
R	11	08	18	V

Technical data

Version	Series R	
Fluid	Compressed air	
Maximum pressure	20 bar	
Vacuum	-99 KPa	
Temperature range	-20°C ÷ +80°C (standard) -10°C ÷ +150°C (V)	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Taper threads	UNI EN 10226-1 (BSPT)	
Metric threads	UNI EN ISO 965-1	
Tubes	Calibrated Nylon (PA6), PU and Rilsan (PA11)	
Tubes tolerance	Ø 3 mm ÷ Ø 10 mm	±0,07 mm
	Ø 12 mm ÷ Ø 16 mm	±0,1 mm

Standard materials



Position	Description	Material
1	Body	Nickel-plated brass
2	Release collar	Nickel-plated brass
3	Sealing ring	Acetalic resin (POM)
4	Collet	Stainless Steel AISI 301
5	Protection ring	Acetalic resin (POM)
6, 7	Seals	NBR

Fittings series R

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Stem Ø mm	Data sheet and code page
R11	BSPT stud		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12, 14	-	4.3.4
R12	BSP stud		-	1/8", 1/4", 3/8", 1/2", 3/4"	M3x0,5, M5x0,8, M6x1, M7x1, M12x1,25, M12x1,5	3, 4, 6, 8, 10, 12, 14, 16	-	4.3.5
R13	Female BSP stud		-	1/8", 1/4", 3/8", 1/2"	-	4, 6, 8, 10, 12	-	4.3.4
R25	Reducer		-	-	-	3, 4, 6, 8, 10, 12, 14	4, 6, 8, 10, 12, 14, 16	4.3.6
R38	BSP stem adapter		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4, 6, 8, 10, 12	4.3.6
R27	Bulkhead		-	-	-	3, 4, 6, 8, 10, 12	-	4.3.7
R27F	Female bulkhead		-	1/8", 1/4", 3/8"	-	6, 8, 10	-	4.3.7
R26	Union		-	-	-	3, 4, 6, 8, 10, 12, 14, 16	-	4.3.8
R39	Stem		-	-	-	-	4, 6, 8, 10, 12, 14	4.3.8
R29	Plug		-	-	-	-	3, 4, 6, 8, 10, 12, 14, 16	4.3.9
R14	BSPT elbow		1/8", 1/4", 3/8"	-	-	4, 6, 8, 10	-	4.3.9
R15	BSPT swivel elbow		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12, 14	-	4.3.10
R41	BSP swivel elbow		-	1/8", 1/4", 3/8", 1/2", 3/4"	M5x0,8, M6x1, M12x1,25, M12x1,5	3, 4, 6, 8, 10, 12, 14, 16	-	4.3.11
R17	Female BSP elbow		-	1/8", 1/4", 3/8"	-	4, 6, 8, 10	-	4.3.10
R40	45° BSP swivel elbow		-	1/8", 1/4", 3/8", 1/2"	-	6, 8, 10, 12	-	4.3.12
R52	Extended BSP swivel elbow		-	1/8", 1/4"	-	4, 6, 8	-	4.3.12
R19	BSP swivel elbow with hexagonal wrench		-	1/8", 1/4", 3/8", 1/2"	M3x0,5, M5x0,8	3, 4, 6, 8, 10, 12	-	4.3.13
R53	Double BSP swivel elbow with hexagonal wrench		-	1/8", 1/4"	M5x0,8	4, 6, 8	-	4.3.13
R61	Stem elbow		-	-	-	4, 6, 8, 10	4, 6, 8, 10	4.3.14
R18	Equal elbow		-	-	-	3, 4, 6, 8, 10, 12, 14, 16	-	4.3.14
R42	BSPT swivel tee		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12	-	4.3.15
R43	BSP swivel tee		-	1/8", 1/4", 3/8", 1/2"	-	4, 6, 8, 10, 12	-	4.3.15
R21	BSP swivel tee with hexagonal wrench		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	4, 6, 8, 10, 12	-	4.3.16

Fittings series R

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Stem Ø mm	Data sheet and code page
R57	Double BSP swivel tee with hexagonal wrench		-	1/8", 1/4"	M5x0,8	4, 6, 8	-	4.3.16
R62	Stem tee		-	-	-	4, 6, 8, 10	4, 6, 8, 10	4.3.17
R22	BSPT swivel side tee		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12	-	4.3.17
R44	BSP swivel side tee		-	1/8", 1/4", 3/8", 1/2"	-	4, 6, 8, 10, 12	-	4.3.18
R63	Stem side tee		-	-	-	4, 6, 8, 10	4, 6, 8, 10	4.3.18
R23	Equal tee		-	-	-	3, 4, 6, 8, 10, 12, 14, 16	-	4.3.19
R51	Y piece		-	-	-	3, 4, 6, 8, 10, 12	-	4.3.19
R64	Equal H swivel union		-	-	-	4, 6, 8	-	4.3.20
R65	Y swivel piece		-	-	-	4, 6, 8	-	4.3.20
R31	Single hollow bolt		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	-	4.3.21
R32	Double hollow bolt		-	1/8", 1/4", 3/8", 1/2"	-	-	-	4.3.21
R59	Single M/F banjo bolt		-	1/8", 1/4", 3/8"	-	-	-	4.3.22
R60	Double M/F banjo bolt		-	1/8", 1/4", 3/8"	-	-	-	4.3.22
R35	Single banjo		-	-	-	4, 6, 8, 10, 12	-	4.3.23
R36	Double banjo		-	-	-	4, 6, 8, 10, 12	-	4.3.23

Thread/Tube matching

External Tube Ø	Thread														
	M3x05	M5x0,8	M6x1	M7x1	M12x1,25	M12x1,5	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"	R1/8"	R1/4"	R3/8"	R1/2"
Ø 3 mm	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
Ø 4 mm	-	●	●	●	-	-	●	●	-	-	-	●	●	-	-
Ø 6 mm	-	●	●	●	●	●	●	●	●	●	-	●	●	●	-
Ø 8 mm	-	-	-	-	-	-	●	●	●	●	-	●	●	●	●
Ø 10 mm	-	-	-	-	-	-	●	●	●	●	-	●	●	●	●
Ø 12 mm	-	-	-	-	-	-	-	-	●	●	-	-	●	●	●
Ø 14 mm	-	-	-	-	-	-	-	-	●	●	-	-	-	●	●
Ø 16 mm	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-

Key
● available matching; - not available matching

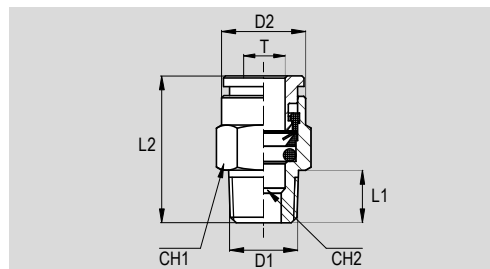
Push-in fittings

Series R



Main features

Type	Description
R11 	BSPT stud. In nickel-plated brass.

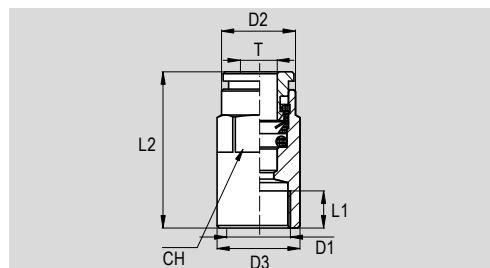


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	CH1	CH2	Weight (g)
020001 	R 11 04 18	4	R1/8"	9	7,5	16	10	3	5,5
020002 	R 11 04 14	4	R1/4"	9	11	20,5	14	3	16,1
020005 	R 11 06 18	6	R1/8"	12	7,5	21	12	4	8,7
020006 	R 11 06 14	6	R1/4"	12	11	20,5	14	4	15,8
020573 	R 11 06 38	6	R3/8"	12	11,5	21	17	4	-
020007 	R 11 08 18	8	R1/8"	14	7,5	25	14	6	13,2
020008 	R 11 08 14	8	R1/4"	14	11	23,5	14	6	13,9
020009 	R 11 08 38	8	R3/8"	14	11,5	22,5	17	6	23,6
020574	R 11 08 12	8	R1/2"	13,9	14	25	22	6	-
020575 	R 11 10 18	10	R1/8"	15,9	7,5	28	16	6	-
020010 	R 11 10 14	10	R1/4"	16	11	30,5	16	8	20,2
020011 	R 11 10 38	10	R3/8"	16	11,5	24	17	8	20
020016 	R 11 10 12	10	R1/2"	16	14	27	22	8	47,5
020017	R 11 12 14	12	R1/4"	19	11	32	19	8	28,5
020012 	R 11 12 38	12	R3/8"	19	11,5	27,5	19	10	24,1
020013 	R 11 12 12	12	R1/2"	19	14	27,5	22	10	42,3
020014	R 11 14 38	14	R3/8"	22	11,5	35,5	22	10	40,1
020015	R 11 14 12	14	R1/2"	22	14	32,5	22	12	39,5

Main features

Type	Description
R13 	Female BSP stud. In nickel-plated brass.

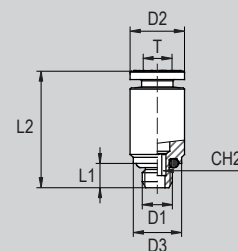


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	CH	Weight (g)
020061 	R 13 04 18	4	G1/8"	9	13	7	23,5	9	10
020064 	R 13 06 18	6	G1/8"	12	14	7	26	12	15,1
020065 	R 13 06 14	6	G1/4"	12	16	10	30	12	18,5
020066 	R 13 08 18	8	G1/8"	13,7	16	7	26	14	17,5
020067 	R 13 08 14	8	G1/4"	14	16	10	30	14	20,2
020250 	R 13 08 38	8	G3/8"	14	20	11	31	14	25,9
020068 	R 13 10 14	10	G1/4"	16	18,5	10	32	16	24,4
020069 	R 13 10 38	10	G3/8"	16	20	11	33,5	16	30,3
020260	R 13 10 12	10	G1/2"	16	25	11	36,5	16	45
020576	R 13 12 38	12	G3/8"	19	23,1	11	34	20	38,3
020577	R 13 12 12	12	G1/2"	18,8	25	11	37	19	50,9

Main features

Type	Description
R12 	BSP stud. In nickel-plated brass.

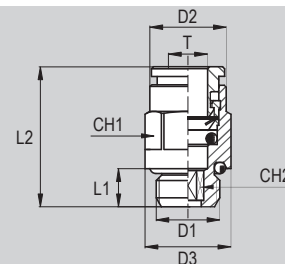


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	CH2	Weight (g)
020029	R 12 03 M3	3	M3x0,5	6,5	5,5	3	15,5	1,5	1,4
020030	R 12 03 M5	3	M5x0,8	6,5	7	4	15,8	2	2,3
020031 	R 12 04 M5	4	M5x0,8	9	8	4	19	2,5	4,4
020032	R 12 04 M6	4	M6x1	9	9	4,5	20	3	4,3
020188	R 12 04 M7	4	M7x1	9	9	5	20	3	5
020051 	R 12 06 M5	6	M5x0,8	12	8	4	22,2	2,5	8,6
020052	R 12 06 M6	6	M6x1	12	9	4,5	22,8	3	8,9
020189	R 12 06 M7	6	M7x1	12	9	5	23	3	9,5

Main features

Type	Description
R12 	BSP stud. In nickel-plated brass.

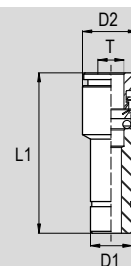


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	CH1	CH2	Weight (g)
020033 	R 12 04 18	4	G1/8"	9	13	5	16,5	9	3	6,1
020034	R 12 04 14	4	G1/4"	9	16	6,5	18,5	9	3	12
020049	R 12 06 12x1,25	6	M12x1,25	12	15	6,5	21	12	4	11,8
020050	R 12 06 12x1,5	6	M12x1,5	12	15	6,5	21	12	4	12,9
020037 	R 12 06 18	6	G1/8"	12	13,5	5	19,5	12	4	9,1
020038 	R 12 06 14	6	G1/4"	12	16	6,5	19,5	12	4	12,7
020578	R 12 06 38	6	G3/8"	11,9	20	7	20,5	12	4	-
020579	R 12 06 12	6	G1/2"	11,9	25	8,5	22,5	12	4	-
020039 	R 12 08 18	8	G1/8"	14	14,5	5	23,5	13	6	11,5
020040 	R 12 08 14	8	G1/4"	14	16	6,5	21,5	14	6	13,9
020041 	R 12 08 38	8	G3/8"	14	20	7	21	14	6	20,1
020247	R 12 08 12	8	G1/2"	14	25	8,5	23	14	6	34,3
020587 	R 12 10 18	10	G1/8"	15,9	13	5	26,5	15	8	-
020042 	R 12 10 14	10	G1/4"	16	16,5	6,5	27,5	15	8	17,5
020043 	R 12 10 38	10	G3/8"	16	20	7	25	16	8	22,6
020053 	R 12 10 12	10	G1/2"	16	25	8,5	25,5	16	8	34,5
020054 	R 12 12 14	12	G1/4"	19	21	6,5	28,5	19	8	26,2
020044 	R 12 12 38	12	G3/8"	19	21	7	28,5	19	10	29
020045 	R 12 12 12	12	G1/2"	19	25	8,5	26,5	19	10	36,1
020046	R 12 14 38	14	G3/8"	22	25	7	32	22	10	37,5
020047	R 12 14 12	14	G1/2"	22	25	8,5	32	22	12	42,4
020248 	R 12 16 12	16	G1/2"	24	28	8,5	34,5	25	13	53,6
020249	R 12 16 34	16	G3/4"	24	32	9,5	32	24	13	68,2

Main features

Type	Description
R25 	Reducer. In nickel-plated brass.

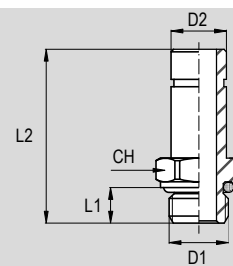


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	Weight (g)
020529	R 25 03 04	3	4	6,5	27,5	2,5
020531 	R 25 04 06	4	6	9	33,5	7
020532 	R 25 04 08	4	8	9	33,5	10
020533	R 25 04 10	4	10	10	31,5	15
020534	R 25 04 12	4	12	12	32,5	24,5
020548 	R 25 06 04	6	4	12	35,5	10
020538 	R 25 06 08	6	8	12	35	11,5
020539	R 25 06 10	6	10	12	36,5	16,5
020540	R 25 06 12	6	12	12	35,5	22,2
020545	R 25 06 14	6	14	14	37,5	25
020549 	R 25 08 06	8	6	14	39,5	13,5
020541 	R 25 08 10	8	10	14	37	15
020542	R 25 08 12	8	12	14	37	15
020546	R 25 08 14	8	14	14	38,5	31,5
020543 	R 25 10 12	10	12	16	42	20
020544	R 25 10 14	10	14	16	42	29,5
020547 	R 25 12 14	12	14	19	43	24
020597	R 25 14 16	14	16	22	49,5	91,8

Main features

Type	Description
R38	BSP stem adapter. In nickel-plated brass.



Dimensions

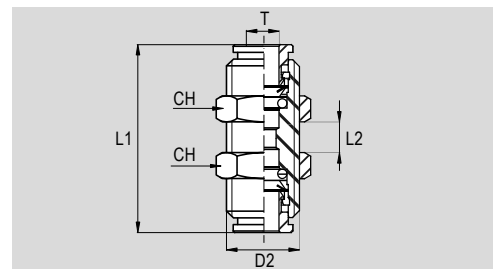
Code	Item	D1	D2	L1	L2	CH	Weight (g)
020791	R 38 04 M5	M5x0,8	4	4	26	9	3,2
020792	R 38 04 18	G1/8"	4	5	28	13	7,3
020793	R 38 04 14	G1/4"	4	6,5	29,5	16	12,4
020805	R 38 06 M5	M5x0,8	6	4	28	9	5,9
020796	R 38 06 18	G1/8"	6	5	30	13	8,5
020797	R 38 06 14	G1/4"	6	6,5	32,5	16	13,7
020798	R 38 08 18	G1/8"	8	5	31	13	9,4
020799	R 38 08 14	G1/4"	8	6,5	33,5	16	14,5
020800	R 38 10 14	G1/4"	10	6,5	34,5	16	15,5
020801	R 38 10 38	G3/8"	10	7	35	20	22
020802	R 38 12 38	G3/8"	12	7	38	20	23,6
020803	R 38 12 12	G1/2"	12	8,5	39,5	25	38

Push-in fittings

Series R

Main features

Type	Description
R27 	Bulkhead. In nickel-plated brass.

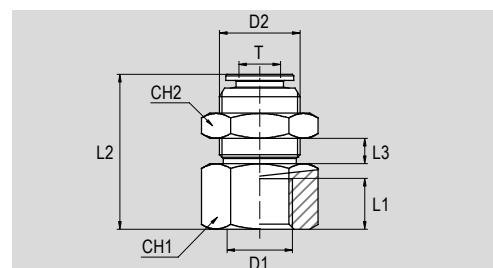


Dimensions

Code	Item	T (ØTube)	D2	L1	L2 (max)	CH	Weight (g)
020580	R 27 03 03	3	M8x0,75	22,5	9,5	12	14,5
020581 	R 27 04 04	4	M12x1	28	11	16	23,5
020583 	R 27 06 06	6	M14x1	34	16	18	33
020584 	R 27 08 08	8	M16x1	34	16	20	39,5
020585 	R 27 10 10	10	M18x1	39	19	22	51,5
020586 	R 27 12 12	12	M20x1	41	20	24	60

Main features

Type	Description
R27F	Female bulkhead. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L2	CH1	CH1	Weight (g)
020619	R 27F 06 18	6	G1/8"	M14x1	7	26.5	9	18	18	-
020620	R 27F 06 14	6	G1/4"	M14x1	10	30.5	9	18	18	-
020621	R 27F 08 18	8	G1/8"	M16x1	7	26.5	9	20	20	-
020622	R 27F 08 14	8	G1/4"	M16x1	10	30.5	9	20	20	-
020623	R 27F 10 38	10	G3/8"	M18x1	11	33	10	22	22	-

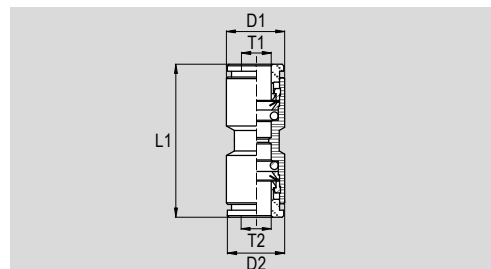
Push-in fittings

Series R



Main features

Type	Description
R26 	Union. In nickel-plated brass.

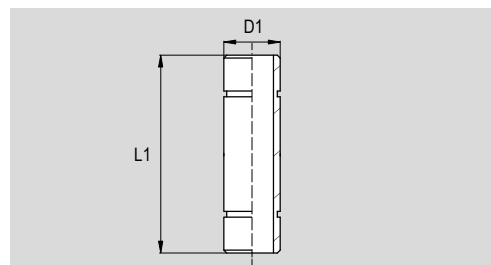


Dimensions

Code	Item	T1 (ØTube)	T2 (ØTube)	D1	D2	L1	Weight (g)
020560	R 26 03 03	3	3	6,5	6,5	21,5	2,7
020561 	R 26 04 04	4	4	9	9	28	6,8
020563 	R 26 06 06	6	6	12	12	33,6	15
020568 	R 26 06 04	6	4	12	12	31	14,7
020564 	R 26 08 08	8	8	14	14	34	18
020569 	R 26 08 06	8	6	14	14	34	21
020565 	R 26 10 10	10	10	16	16	38,6	22,5
020570 	R 26 10 08	10	8	16	16	36,5	25,2
020566 	R 26 12 12	12	12	19	19	41	37
020598	R 26 12 08	12	8	19	14	39	-
020599 	R 26 12 10	12	10	19	16	40,5	-
020567	R 26 14 14	14	14	22	22	47	47,4
020600	R 26 14 12	14	12	22	19	44,5	-
020601	R 26 16 16	16	16	24	24	47	63,2
020602	R 26 16 12	16	12	24	19	44,5	-
020603	R 26 16 14	16	14	24	22	47	-

Main features

Type	Description
R39	Stem. In nickel-plated brass.



Dimensions

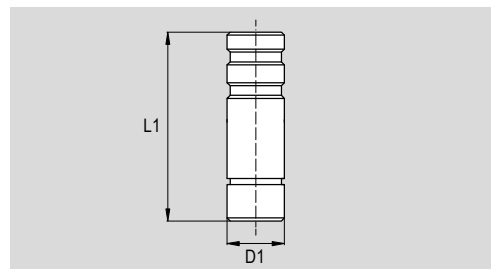
Code	Item	D1	L1	Weight (g)
020831	R 39 00 04	4	35	2,7
020833	R 39 00 06	6	40	5,1
020834	R 39 00 08	8	42	8
020835	R 39 00 10	10	50	11,8
020836	R 39 00 12	12	53	15,3
020837	R 39 00 14	14	54	18,8

Push-in fittings

Series R

Main features

Type	Description
R29	Plug. In nickel-plated brass.

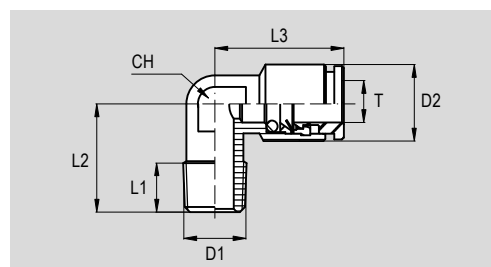


Dimensions

Code	Item	D1	L1	Weight (g)
020630	R 29 00 03	3	20	1
020631	R 29 00 04	4	25	2,3
020633	R 29 00 06	6	25	3,7
020634	R 29 00 08	8	30	7,2
020635	R 29 00 10	10	35	11,8
020636	R 29 00 12	12	40	18,2
020637	R 29 00 14	14	40	26,2
020638	R 29 00 16	16	40	32,5

Main features

Type	Description
R14	BSPT elbow. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
020091	R 14 04 18	4	R1/8"	9	7,8	15	17,5	8	8,1
020101	R 14 04 14	4	R1/4"	9	10	19	17,5	10	13,9
020094	R 14 06 18	6	R1/8"	12	8,2	15,5	20,5	10	13,2
020095	R 14 06 14	6	R1/4"	12	10	19	20,5	10	16,7
020096	R 14 08 18	8	R1/8"	14	7,5	19	22,5	12	19,6
020097	R 14 08 14	8	R1/4"	14	10,5	20	22,5	12	22,6
020098	R 14 10 14	10	R1/4"	16	9,5	22	25	14	27,1
020099	R 14 10 38	10	R3/8"	16	10,8	22,5	25	14	32,1

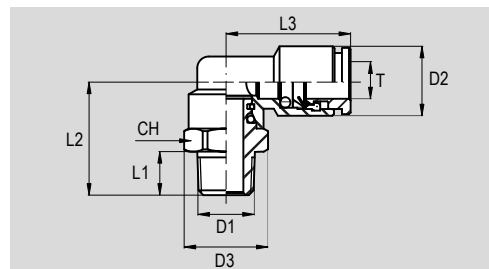
Push-in fittings

Series R



Main features

Type	Description
R15	BSPT swivel elbow. In nickel-plated brass.

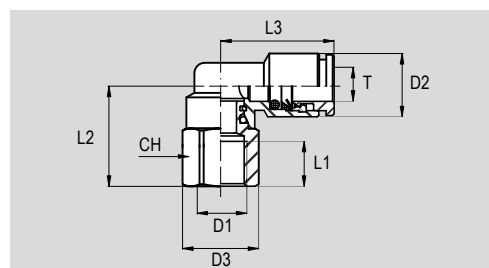


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020131	R 15 04 18	4	R1/8"	9	11,2	7,5	17,85	19,5	10	10,8
020132	R 15 04 14	4	R1/4"	9	15,5	11	24,2	19,5	14	20,9
020135	R 15 06 18	6	R1/8"	12	14,5	7,5	20,2	22	13	19,4
020136	R 15 06 14	6	R1/4"	12	15,5	11	24,2	22	14	23,9
020588	R 15 06 38	6	R3/8"	12	20	11,5	25,2	22	18	-
020137	R 15 08 18	8	R1/8"	14	14,5	7,5	20	22,5	13	23
020138	R 15 08 14	8	R1/4"	14	15,5	11	24	22,5	14	26,4
020139	R 15 08 38	8	R3/8"	14	20	11,5	27	23	18	39,2
020589	R 15 08 12	8	R1/2"	14	24,5	14	31	23	22	-
020590	R 15 10 18	10	R1/8"	16	20	7,5	26,5	23	18	-
020140	R 15 10 14	10	R1/4"	16	20	11	26,5	26	18	38,6
020141	R 15 10 38	10	R3/8"	16	20	11,5	27	26	18	41
020591	R 15 10 12	10	R1/2"	16	24,5	14	31	26	22	-
020592	R 15 12 14	12	R1/4"	19	22,5	11	30	28,5	20	-
020142	R 15 12 38	12	R3/8"	19	22,5	11,5	30,5	28,5	20	61,8
020143	R 15 12 12	12	R1/2"	19	24,5	14	33,5	28,5	22	71,5
020144	R 15 14 38	14	R3/8"	22	22,5	11,5	30,5	32	20	66,2
020145	R 15 14 12	14	R1/2"	22	24,5	14	33,5	32	22	74,6

Main features

Type	Description
R17	Female BSP elbow. In nickel-plated brass.

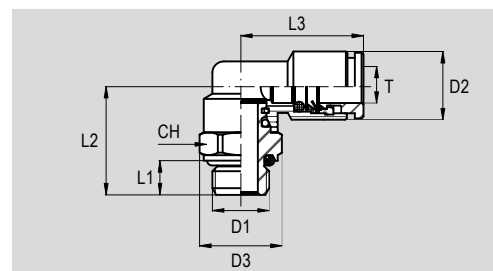


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020251	R 17 04 18	4	G1/8"	9	14,5	6,5	17,9	19,5	13	17,3
020254	R 17 06 18	6	G1/8"	12	14,5	6,5	17,9	22	13	19,7
020255	R 17 06 14	6	G1/4"	12	18	10	22,2	22	16	25,4
020256	R 17 08 18	8	G1/8"	14	14,5	6,5	17,7	22,5	13	23,1
020257	R 17 08 14	8	G1/4"	14	18	10	22	22,5	16	29,1
020258	R 17 10 14	10	G1/4"	16	18	10	23	26	16	35,6
020259	R 17 10 38	10	G3/8"	16	22,5	10,5	25	26	20	43,5

Main features

Type	Description
R41 	BSP swivel elbow. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020190	R 41 03 M5	3	M5x0,8	7	7,9	4	13,7	14	7	7,1
020191 	R 41 04 M5	4	M5x0,8	9,1	10	4	14	17,5	9	8,8
020210	R 41 04 M6	4	M6x1	9,1	10	4,5	14,5	17,5	9	8,7
020192 	R 41 04 18	4	G1/8"	9,1	14,5	5	18,2	19,5	13	15,7
020193	R 41 04 14	4	G1/4"	9,1	16	6,5	21,7	19,5	13	19
020211 	R 41 06 M5	6	M5x0,8	12	10	4	14	20,5	9	11,9
020212	R 41 06 M6	6	M6x1	12	10	4,5	14,5	20,5	9	12
020208	R 41 06 12x1,25	6	M12x1,25	12	15	6,5	21,7	22	13	22
020209	R 41 06 12x1,5	6	M12x1,5	12	15	6,5	21,7	22	13	21,5
020196 	R 41 06 18	6	G1/8"	12	14,5	5	18,2	22	13	18,5
020197 	R 41 06 14	6	G1/4"	12	16	6,5	21,7	22	13	22
020607	R 41 06 38	6	G3/8"	12	20	7	22,2	22	13	-
020608	R 41 06 12	6	G1/2"	12	25	8,5	24,2	22	13	-
020198 	R 41 08 18	8	G1/8"	14	14,5	5	18	22,5	13	22
020199 	R 41 08 14	8	G1/4"	14	16	6,5	21,5	22,5	13	26
020200 	R 41 08 38	8	G3/8"	14	20	7	25,5	23	16	36,8
020220	R 41 08 12	8	G1/2"	14	25	8,5	27,5	23	16	41
020609 	R 41 10 18	10	G1/8"	16	18	5	20,5	26	16	-
020201 	R 41 10 14	10	G1/4"	16	18	6,5	22	26	16	32,5
020202 	R 41 10 38	10	G3/8"	16	20	7	25,5	26	16	39,5
020213 	R 41 10 12	10	G1/2"	16	25	8,5	27,5	26	16	43,2
020214 	R 41 12 14	12	G1/4"	19	22,5	6,5	25,5	28,5	20	58,5
020203 	R 41 12 38	12	G3/8"	19	22,5	7	26	28,5	20	57
020204 	R 41 12 12	12	G1/2"	19	25	8,5	30,5	28,5	20	65,1
020205	R 41 14 38	14	G3/8"	22	22,5	7	26	32	20	61,6
020206	R 41 14 12	14	G1/2"	22	25	8,5	30,5	32	20	68,5
020261 	R 41 16 12	16	G1/2"	24	27	8,5	33	36,5	25	105,2
020262	R 41 16 34	16	G3/4"	24	32	9,5	35	36,5	25	113,8

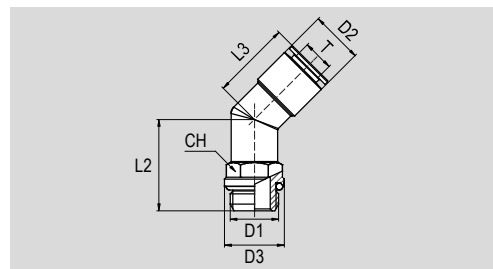
Push-in fittings

Series R



Main features

Type	Description
R40	45° BSP swivel elbow. In nickel-plated brass.

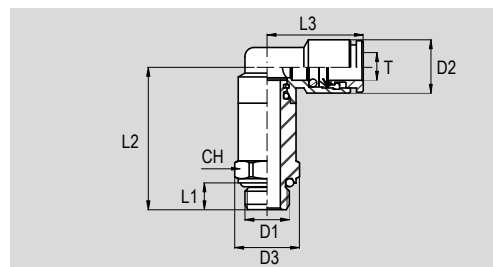


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020611	R 40 06 18	6	G1/8"	12	12,8	5	21	21	13	-
020612	R 40 06 14	6	G1/4"	12	16	6,5	24,5	21	13	-
020613	R 40 08 18	8	G1/8"	14	12,8	5	21	21	13	-
020614	R 40 08 14	8	G1/4"	14	16	6,5	24,5	21	13	-
020615	R 40 10 14	10	G1/4"	16	16	6,5	23	25	13	-
020616	R 40 10 38	10	G3/8"	16	20	7	26,5	25	16	-
020617	R 40 12 38	12	G3/8"	20	20	7	26	25	16	-
020618	R 40 12 12	12	G1/2"	20	25	8,5	30,5	25	20	-

Main features

Type	Description
R52	Extended BSP swivel elbow. In nickel-plated brass.

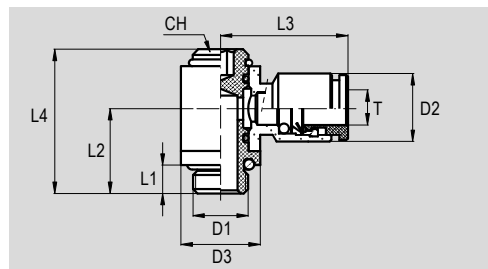


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020271	R 52 04 18	4	G1/8"	9,1	14,5	5	29,2	19,5	13	25,6
020274	R 52 06 18	6	G1/8"	12	14,5	5	32,2	22	13	30,5
020275	R 52 06 14	6	G1/4"	12	16	6,5	35,7	22	13	30,9
020276	R 52 08 18	8	G1/8"	14	14,5	5	34	22,5	13	35,7
020277	R 52 08 14	8	G1/4"	14	16	6,5	37,5	22,5	13	36

Main features

Type	Description
R19	BSP swivel elbow with hexagonal wrench. In nickel-plated brass.

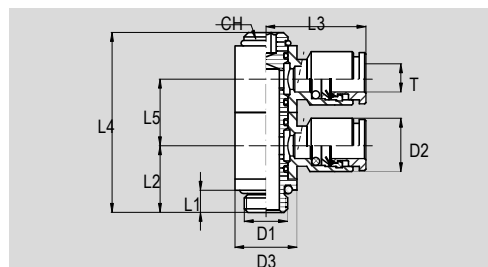


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
020159	R 19 03 M3	3	M3x0,5	6,8	7	3	8,5	14	14	2	4,6
020160	R 19 03 M5	3	M5x0,8	6,8	7	4	9,5	14	15	2	8,1
020161	R 19 04 M5	4	M5x0,8	9	10	4	11	18,5	19	3	10,1
020162	R 19 04 18	4	G1/8"	9	14	5	15	20,5	25,5	4	22,2
020176	R 19 06 M5	6	M5x0,8	12	10	4	11	21,5	19	3	13,3
020166	R 19 06 18	6	G1/8"	12	14	5	15	22,5	25,5	4	24,4
020167	R 19 06 14	6	G1/4"	12	18	6,5	17,5	24	29	5	39,3
020168	R 19 08 18	8	G1/8"	14	14	5	15	23,5	25,5	4	25,7
020169	R 19 08 14	8	G1/4"	14	18	6,5	17,5	24,5	29	5	39,1
020170	R 19 10 14	10	G1/4"	16	18	6,5	17,5	27	29	5	43,6
020171	R 19 10 38	10	G3/8"	16	22	7	20	29	32,5	6	62,2
020172	R 19 12 38	12	G3/8"	19	22	7	20	29,5	32,5	6	67,1
020173	R 19 12 12	12	G1/2"	19	26	8,5	24	31,5	39,5	8	114,8

Main features

Type	Description
R53	Double BSP swivel elbow with hexagonal wrench. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	L5	CH	Weight (g)
020181	R 53 04 M5	4	M5x0,8	9	10	4	11	18,5	29,2	10	3	18,5
020182	R 53 04 18	4	G1/8"	9,1	14	5	15	20,5	40,5	15	4	40
020184	R 53 06 18	6	G1/8"	12	14	5	15	22,5	40,5	15	4	46
020185	R 53 06 14	6	G1/4"	12	18	6,5	17,5	24	46,1	17	5	69,5
020186	R 53 08 18	8	G1/8"	14	14	5	15	23,5	40,5	15	4	50
020187	R 53 08 14	8	G1/4"	14	18	6,5	17,5	24,5	46,1	17	5	69,5

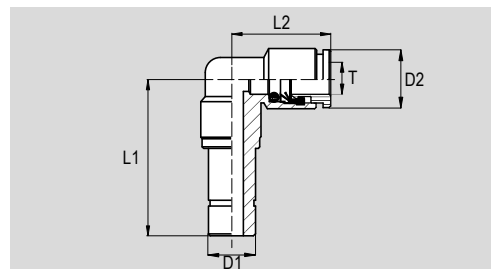
Push-in fittings

Series R



Main features

Type	Description
R61	Stem elbow. In nickel-plated brass.

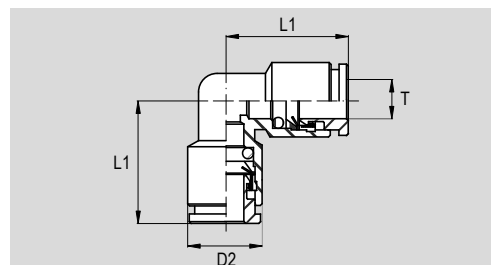


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	Weight (g)
020121	R 61 04 04	4	4	9,1	25,5	19,5	14
020122	R 61 04 06	4	6	9,1	29,5	19,5	15
020123	R 61 06 04	6	4	12	25,5	22	17
020124	R 61 06 06	6	6	12	29,5	22	17
020125	R 61 06 08	6	8	12	29,5	22	17,5
020126	R 61 08 06	8	6	14	29,5	22,5	20,5
020127	R 61 08 08	8	8	14	29,5	22,5	20,5
020128	R 61 10 10	10	10	16	33,5	26	30

Main features

Type	Description
R18 	Equal elbow. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D2	L1	Weight (g)
020280	R 18 03 03	3	7	13	4,5
020281 	R 18 04 04	4	9	17,5	9
020283 	R 18 06 06	6	12	20,5	16,5
020284 	R 18 08 08	8	14	22,5	22
020285 	R 18 10 10	10	16	25	29,5
020286 	R 18 12 12	12	19	26,5	48,5
020287	R 18 14 14	14	22	31,5	58
020292	R 18 16 16	16	24	36,5	90,6

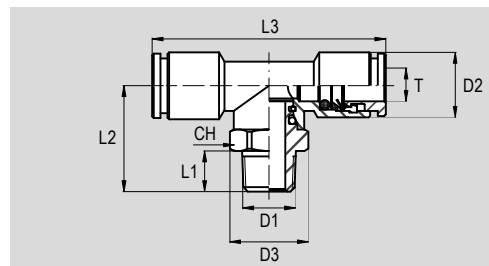
Push-in fittings

Series R



Main features

Type	Description
R42	BSPT swivel tee. In nickel-plated brass.

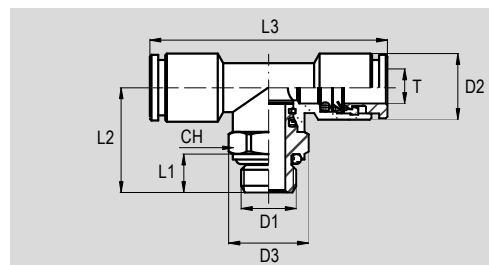


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020341	R 42 04 18	4	R1/8"	9,1	14,5	7,5	20,2	39	13	21,5
020353	R 42 04 14	4	R1/4"	9,1	15,5	11	24,2	39	14	25,6
020344	R 42 06 18	6	R1/8"	12	14,5	7,5	20	44	13	26,3
020345	R 42 06 14	6	R1/4"	12	15,5	11	24	44	14	30,4
020346	R 42 08 18	8	R1/8"	14	14,5	7,5	20	45	13	31,3
020347	R 42 08 14	8	R1/4"	14	15,5	11	24	45	14	35,3
020352	R 42 08 38	8	R3/8"	14	20	11,5	27	46	18	49,1
020348	R 42 10 14	10	R1/4"	16	20	11	26,5	52	18	50
020349	R 42 10 38	10	R3/8"	16	20	11,5	27	52	18	51,6
020350	R 42 12 38	12	R3/8"	19	22,5	11,5	30,5	57	20	80
020351	R 42 12 12	12	R1/2"	19	24,5	14	33,5	57	22	83,5

Main features

Type	Description
R43	BSP swivel tee. In nickel-plated brass.

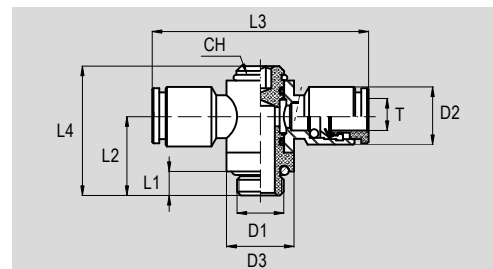


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	CH	Weight (g)
020371	R 43 04 18	4	G1/8"	9,1	14,5	5	18,2	39	13	20,2
020372	R 43 04 14	4	G1/4"	9,1	16	6,5	21,7	39	13	23,9
020375	R 43 06 18	6	G1/8"	12	14,5	5	18	44	13	25,2
020376	R 43 06 14	6	G1/4"	12	16	6,5	21,5	44	13	29,1
020377	R 43 08 18	8	G1/8"	14	14,5	5	18	45	13	30,7
020378	R 43 08 14	8	G1/4"	14	16	6,5	21,5	45	13	34,1
020379	R 43 08 38	8	G3/8"	14	20	7	25,5	46	16	46,4
020380	R 43 10 14	10	G1/4"	16	18	6,5	22	52	16	44,4
020381	R 43 10 38	10	G3/8"	16	20	7	25,5	52	16	49,7
020382	R 43 12 38	12	G3/8"	19	22,5	7	26	57	20	75,3
020383	R 43 12 12	12	G1/2"	19	25	8,5	30,5	57	20	82

Main features

Type	Description
R21	BSP swivel tee with hexagonal wrench. In nickel-plated brass.

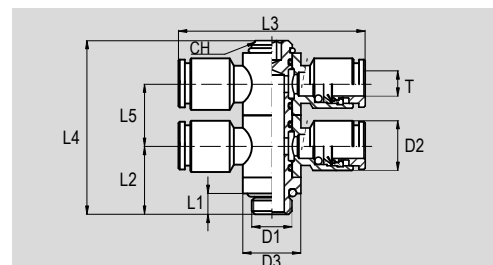


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
020401	R 21 04 M5	4	M5x0,8	9	10	4	11	38	19	3	13,8
020402	R 21 04 18	4	G1/8"	9	14	5	15	41	25,5	4	27,4
020416	R 21 06 M5	6	M5x0,8	12	10	4	11	43	19	3	19,9
020406	R 21 06 18	6	G1/8"	12	14	5	15	45	25,5	4	32,1
020407	R 21 06 14	6	G1/4"	12	18	6,5	17,5	48	29	5	45,8
020408	R 21 08 18	8	G1/8"	14	14	5	15	47	25,5	4	34,1
020409	R 21 08 14	8	G1/4"	14	18	6,5	17,5	49	29	5	46,5
020410	R 21 10 14	10	G1/4"	16	18	6,5	17,5	54	29	5	55,2
020411	R 21 10 38	10	G3/8"	16	22	7	20	58	33	6	72,4
020412	R 21 12 38	12	G3/8"	19	22	7	20	59	33	6	79
020413	R 21 12 12	12	G1/2"	19	27	8,5	24	63	39,5	8	124,7

Main features

Type	Description
R57	Double BSP swivel tee with hexagonal wrench. In nickel-plated brass.



Dimensions

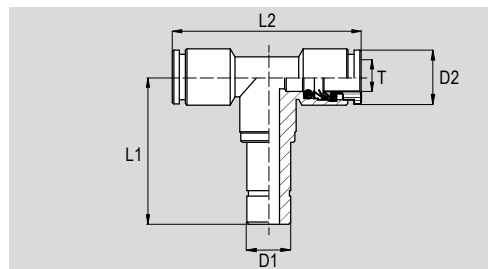
Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	L5	CH	Weight (g)
020451	R 57 04 M5	4	M5x0,8	9	10	4	11	38	29,2	10	3	25
020452	R 57 04 18	4	1/8"	9	14	5	15	41	40,5	15	4	50
020454	R 57 06 18	6	1/8"	12	14	5	15	45	40,5	15	4	59
020455	R 57 06 14	6	1/4"	12	18	6,5	17,5	48	46,1	17	5	82
020456	R 57 08 18	8	1/8"	14	14	5	15	47	40,5	15	4	61
020457	R 57 08 14	8	1/4"	14	18	6,5	17,5	49	46,1	17	5	83,5

Push-in fittings

Series R

Main features

Type	Description
R62	Stem tee. In nickel-plated brass.

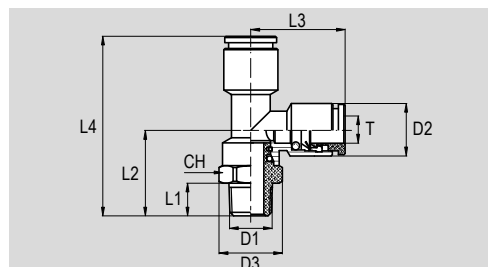


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	Weight (g)
020146	R 62 04 04	4	4	9,1	25,7	39	18,5
020147	R 62 04 06	4	6	9,1	29,7	39	19,5
020148	R 62 06 06	6	6	12	29,5	44	24,5
020149	R 62 06 08	6	8	12	29,5	44	24,5
020150	R 62 08 08	8	8	14	29,5	45	29
020151	R 62 08 10	8	10	14	33,5	46	38,5
020152	R 62 10 10	10	10	16	33,5	52	41

Main features

Type	Description
R22	BSPT swivel side tee. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
020431	R 22 04 18	4	R1/8"	9	14,5	7,5	20,2	19,5	39,7	13	22
020430	R 22 04 14	4	R1/4"	9	15,5	11	24,2	19,5	43,7	14	25,5
020434	R 22 06 18	6	R1/8"	12	14,5	7,5	20,2	22	42,2	13	27,5
020435	R 22 06 14	6	R1/4"	12	15,5	11	24,2	22	46,2	14	31
020436	R 22 08 18	8	R1/8"	14	14,5	7,5	20	22,5	42,5	13	31
020437	R 22 08 14	8	R1/4"	14	15,5	11	24	22,5	46,5	14	35
020438	R 22 10 14	10	R1/4"	16	20	11	26,5	26	52,5	18	50
020439	R 22 10 38	10	R3/8"	16	20	11,5	27	26	53	18	51
020440	R 22 12 38	12	R3/8"	19	22,5	11,5	30,5	28,5	59	20	75
020441	R 22 12 12	12	R1/2"	19	24,5	14	33,5	28,5	62	22	83,5

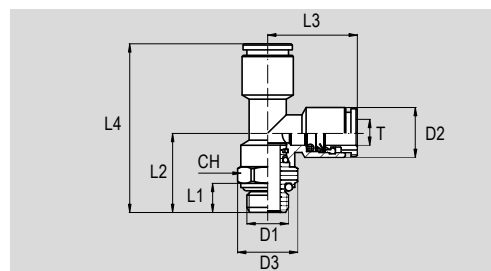
Push-in fittings

Series R



Main features

Type	Description
R44	BSP swivel side tee. In nickel-plated brass.

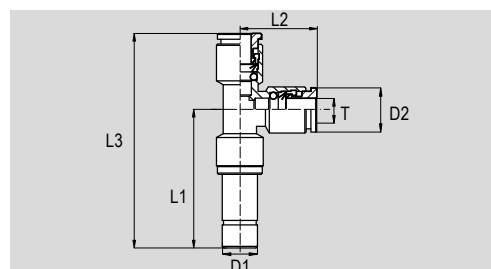


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
020461	R 44 04 18	4	G1/8"	9,1	14,5	5	18,2	19,5	37,7	13	20,5
020462	R 44 04 14	4	G1/4"	9,1	16	6,5	21,7	19,5	41,2	13	24
020465	R 44 06 18	6	G1/8"	12	14,5	5	18,2	22	40,2	13	26
020466	R 44 06 14	6	G1/4"	12	16	6,5	21,7	22	43,7	13	29,5
020467	R 44 08 18	8	G1/8"	14	14,5	5	18	22,5	40,5	13	30
020468	R 44 08 14	8	G1/4"	14	16	6,5	21,5	22,5	44	13	33,5
020470	R 44 10 14	10	G1/4"	16	18	6,5	22	26	48	16	44
020471	R 44 10 38	10	G3/8"	16	20	7	25,5	26	51,5	16	49
020472	R 44 12 38	12	G3/8"	19	22,5	7	26	28,5	54,5	20	73
020473	R 44 12 12	12	G1/2"	19	25	8,5	30,5	28,5	59	20	77

Main features

Type	Description
R63	Stem side tee. In nickel-plated brass.

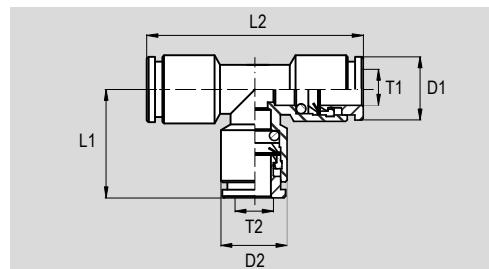


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	Weight (g)
020153	R 63 04 04	4	4	9,1	25,7	19,5	45,2	18,5
020154	R 63 04 06	4	6	9,1	29,7	19,5	49,2	20
020155	R 63 06 06	6	6	12	29,7	22	51,7	25
020156	R 63 06 08	6	8	12	29,7	22	51,7	25,5
020157	R 63 08 08	8	8	14	29,5	22,5	52	30
020158	R 63 10 10	10	10	16	33,5	26	59,5	41

Main features

Type	Description
R23 	Equal tee. In nickel-plated brass.

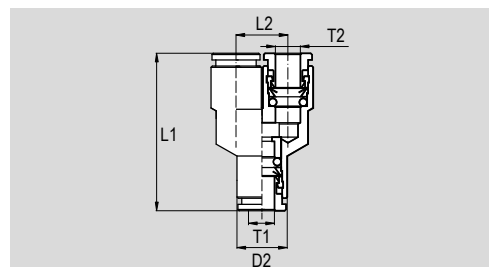


Dimensions

Code	Item	T1 (ØTube)	T2 (ØTube)	D1	D2	L1	L2	Weight (g)
020490	R 23 03 03	3	3	7	7	13	26	5,6
020491 	R 23 04 04	4	4	9	9	17,5	35	12,5
020493 	R 23 06 06	6	6	12	12	20	40	22,5
020593	R 23 06 04	6	4	12	9	18	40	-
020494 	R 23 08 08	8	8	14	14	21	42	28
020594	R 23 08 06	8	6	14	12	20,5	42	-
020495 	R 23 10 10	10	10	16	16	24,5	49	39,2
020595	R 23 10 08	10	8	16	14	23	49	-
020496 	R 23 12 12	12	12	19	19	26	52	61,3
020596	R 23 12 10	12	10	19	16	26	52	-
020497	R 23 14 14	14	14	22	22	30,5	61	77,1
020498	R 23 16 16	16	16	24	24	34,5	69	124

Main features

Type	Description
R51 	Y piece. In nickel-plated brass.



Dimensions

Code	Item	T1 (ØTube)	T2 (ØTube)	D2	L1	L2	Weight (g)
020610	R 51 03 03	3	3	6,8	25	7,5	8,2
020888 	R 51 04 04	4	4	9	29,5	9,5	14,3
020889 	R 51 06 06	6	6	12	36,5	12,5	32,7
020891	R 51 06 04	6	4	12	34,1	11	36,1
020890 	R 51 08 08	8	8	14	37,5	14,5	44,1
020892	R 51 08 06	8	6	14	37,5	14,5	51,1
020894 	R 51 10 10	10	10	16	44,5	16,5	62,7
020893	R 51 10 08	10	8	18	44	16,5	74,9
020895 	R 51 12 12	12	12	19	49	19,5	95,8

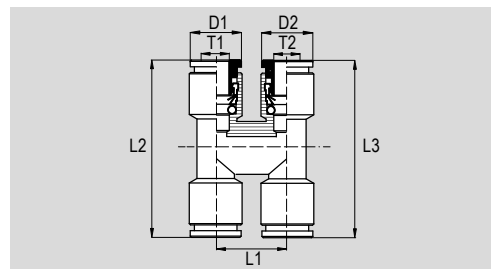
Push-in fittings

Series R



Main features

Type	Description
R64	Equal H swivel union. In nickel-plated brass.

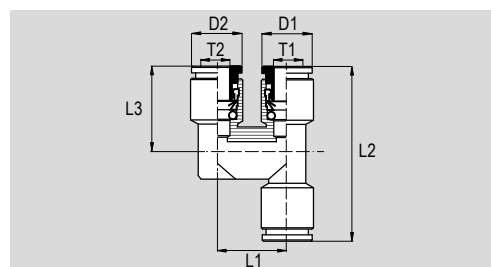


Dimensions

Code	Item	T1 (ØTube)	T2 (ØTube)	D1	D2	L1	L2	L3	Weight (g)
020228	R 64 04 04	4	4	9,1	9,1	18,4	39	39	31
020229	R 64 04 06	4	6	9,1	12	18,4	39	44	36
020230	R 64 06 06	6	6	12	12	18	44	44	41
020231	R 64 06 08	6	8	12	14	18	44	45	46,5
020232	R 64 08 08	8	8	14	14	18	45	45	50

Main features

Type	Description
R65	Y swivel piece. In nickel-plated brass.



Dimensions

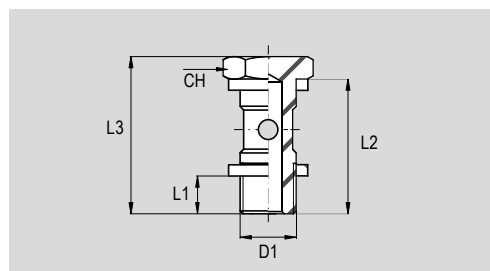
Code	Item	T1 (ØTube)	T2 (ØTube)	D1	D2	L1	L2	L3	Weight (g)
020263	R 65 04 04	4	4	9,1	9,1	18,4	39	19,5	27
020264	R 65 04 06	4	6	9,1	12	18,4	39	22	29,5
020265	R 65 06 06	6	6	12	12	18,2	44	22	34,5
020266	R 65 06 08	6	8	12	14	18	44	22,5	37,5
020267	R 65 08 08	8	8	14	14	18	45	22,5	42

Push-in fittings

Series R

Main features

Type	Description
R31 	Single hollow bolt. In nickel-plated brass. Compatible with banjo types R35, R36, RT28, C23, C24, O25 and A042.

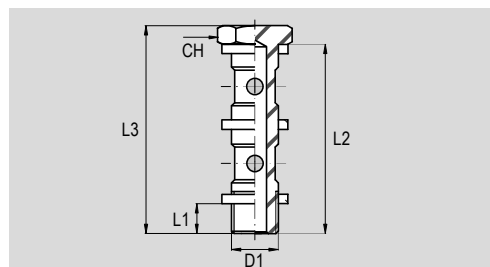


Dimensions

Code	Item	D1	L1	L2	L3	CH	Weight (g)
020671	R 31 00 M5	M5x0,8	1	14,3	18,5	8	2,5
020672 	R 31 00 18	G1/8"	4,4	21,2	27	14	13,4
020673 	R 31 00 14	G1/4"	5,9	24,7	31,5	17	27,8
020674	R 31 00 38	G3/8"	6,4	28,2	36	20	43
020675	R 31 00 12	G1/2"	7,5	33,5	41,5	26	80,5

Main features

Type	Description
R32 	Double hollow bolt. In nickel-plated brass. Compatible with banjo types R35, R36, RT28, C23, C24, O25 and A042.



Dimensions

Code	Item	D1	L1	L2	L3	CH	Weight (g)
020691 	R 32 00 18	G1/8"	4,1	37,7	43,5	14	18,5
020692 	R 32 00 14	G1/4"	5,6	43,2	50	17	38,5
020693	R 32 00 38	G3/8"	6,1	49,7	57,5	20	63,5
020694	R 32 00 12	G1/2"	7	59	67	26	117

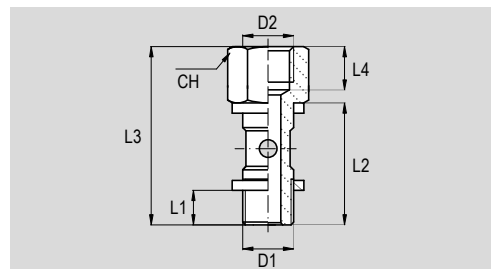
Push-in fittings

Series R



Main features

Type	Description
R59	Single M/F banjo bolt. In nickel-plated brass. Compatible with banjo types R35, R36, RT28, C23, C24, O25 and A042

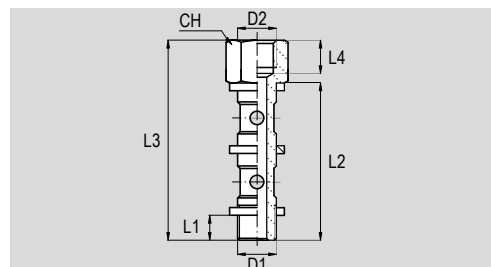


Dimensions

Code	Item	D1	D2	L1	L2	L3	L4	CH	Weight (g)
020701	R 59 00 18	G1/8"	G1/8"	4,4	21,2	35	6,2	14	19,5
020702	R 59 00 14	G1/4"	G1/4"	5,9	24,7	40,5	10	17	32,5
020703	R 59 00 38	G3/8"	G3/8"	6,4	28,2	45	10	20	47

Main features

Type	Description
R60	Double M/F banjo bolt. In nickel-plated brass. Compatible with banjo types R35, R36, RT28, C23, C24, O25 and A042



Dimensions

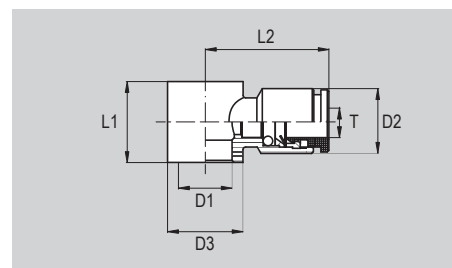
Code	Item	D1	D2	L1	L2	L3	L4	CH	Weight (g)
020705	R 60 00 18	G1/8"	G1/8"	4,1	37,7	51,5	6,2	14	26
020706	R 60 00 14	G1/4"	G1/4"	5,6	43,2	59	10	17	44
020707	R 60 00 38	G3/8"	G3/8"	6,1	49,7	66,5	10	20	66

Push-in fittings

Series R

Main features

Type	Description
R35	Single banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15 (for size M5 with coding M5R only). Compatible with accessories with integrated function types V45, V46 and V47.

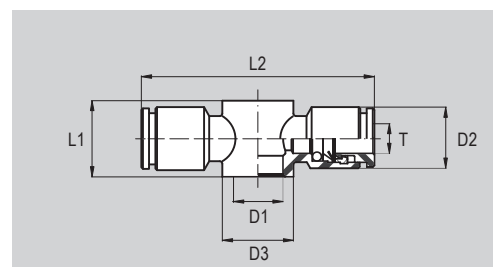


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	Weight (g)
020732	R 35 04 M5	4	M5	9,1	10	9	18,5	7,7
020731	R 35 04 M5R	4	7	9,1	10	10	18,5	6,6
020733	R 35 04 18	4	1/8"	9,1	14	15	20,5	13,5
020745	R 35 06 M5R	6	7	12	10	10	21,5	10,1
020736	R 35 06 18	6	1/8"	12	14	15	22,5	15,5
020737	R 35 06 14	6	1/4"	12	18	17	24	21,6
020738	R 35 08 18	8	1/8"	14	14	15	23,5	16,7
020739	R 35 08 14	8	1/4"	14	18	17	24,5	22,8
020740	R 35 08 38	8	3/8"	14	22	20	26,5	32,7
020741	R 35 10 14	10	1/4"	16	18	17	27	27,2
020742	R 35 10 38	10	3/8"	16	22	20	29	34,5
020743	R 35 12 38	12	3/8"	19	22	20	29,5	38,8
020744	R 35 12 12	12	1/2"	19	26	24	31,5	56,9

Main features

Type	Description
R36	Double banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15. Compatible with accessories with integrated function types V45, V46 and V47.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	Weight (g)
020761	R 36 04 M5	4	M5	9	10	9	37	10,9
020762	R 36 04 18	4	1/8"	9	14	15	41	18
020765	R 36 06 18	6	1/8"	12	14	15	45	23
020766	R 36 06 14	6	1/4"	12	18	17	48	28,7
020767	R 36 08 18	8	1/8"	14	14	15	47	25,3
020768	R 36 08 14	8	1/4"	14	18	17	49	29,7
020773	R 36 08 38	8	3/8"	14	22	20	53	42,5
020769	R 36 10 14	10	1/4"	16	18	17	54	37,9
020770	R 36 10 38	10	3/8"	16	22	20	58	44,5
020771	R 36 12 38	12	3/8"	19	22	20	59	51,3
020772	R 36 12 12	12	1/2"	19	27	24	63	67,2



Code key

Series	Type*	Ø Tube*	Thread*
RHP	11	06	18

RHP

11, 14, 15

04 = Ø 4 mm
06 = Ø 6 mm

M6x1 = M6x1
M8x1 = M8x1
M10x1 = M10x1

Notes

For standard materials see the table below

* For matching between fitting type, tube diameter and thread, see page 4.5.2; for the specific type, see the following pages.

How to order

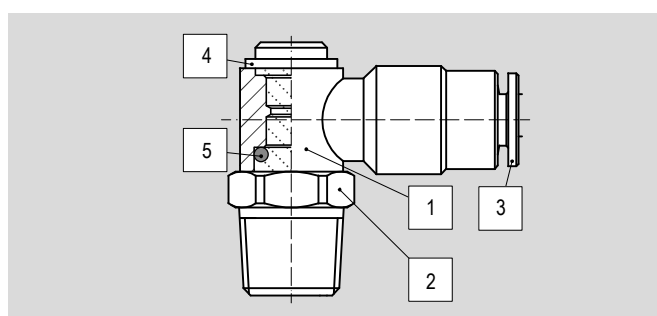
Series	Type	Ø Tube	Thread
RHP	11	06	18

18 = R1/8"
14 = R1/4"

Technical data

Version		Series RHP
Fluid		Compressed air
Maximum pressure		250 bar
Vacuum		-
Temperature range		-20°C ÷ +80°C
Parallel threads		-
Taper threads		UNI EN 10226-1 (BSPT)
Metric threads		UNI EN ISO 965-1
Tubes	Ø 4 mm	Nylon (PA6) 6-6 (4x1,5)
	Ø 6 mm	Nylon (PA6) 6-6 (6x3)
Tubes tolerance		±0,07 mm

Standard materials



Position	Description	Material
1	Body	Nickel-plated brass
2	Metal thread	Nickel-plated brass
3	Collet	Brass
4	Seeger*	Zinc-plated steel C75
5	Seals	NBR

*Only for type RHP15

Fittings series RHP

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Data sheet and code page
RHP11	BSPT stud		1/8", 1/4"	-	M6x1, M8x1, M10x1	4, 6	4.5.3
RHP14	BSPT elbow		1/8"	-	M6x1, M8x1, M10x1	4, 6	4.5.3
RHP15	BSPT swivel elbow		1/8", 1/4"	-	M6x1, M8x1, M10x1	4, 6	4.5.4

Thread/Tube matching

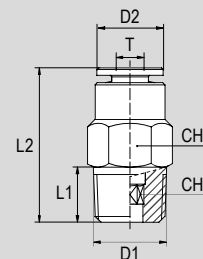
Tube Ø (external)	Thread				
	M6x1	M8x1	M10x1	R1/8"	R1/4"
Ø 4 mm	●	●	●	●	-
Ø 6 mm	●	●	●	●	●

Key

● available matching; - not available matching

Main features

Type	Description
RHP11	BSPT stud. For high pressure, in nickel-plated brass.

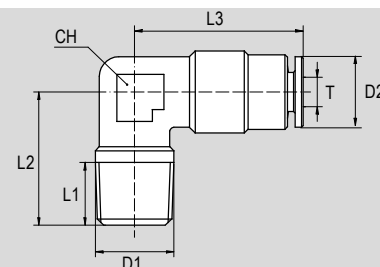


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	CH1	CH2	Weight (g)
020021	RHP 11 04 18	4	R1/8"	9,5	7,5	21	10	3	8,5
020019	RHP 11 04 M6x1	4	M6x1	9,5	8	25	10	2,5	8,4
020024	RHP 11 04 M8x1	4	M8x1	9,5	8	22,5	10	3	7,9
020025	RHP 11 04 M10x1	4	M10x1	9,5	8	21	11	3	9,5
020026	RHP 11 06 18	6	R1/8"	11,5	7,5	24	12	4	11,5
020119	RHP 11 06 14	6	R1/4"	11,5	11	26	14	4	19
020028	RHP 11 06 M6x1	6	M6x1	11,5	8	28	12	2,5	12,8
020018	RHP 11 06 M8x1	6	M8x1	11,5	8	28	12	4	13,3
020080	RHP 11 06 M10x1	6	M10x1	11,5	8	24,5	12	4	11,8

Main features

Type	Description
RHP14	BSPT elbow. For high pressure, in nickel-plated brass..



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	CH1	CH2	Weight (g)
020020	RHP 14 04 18	4	R1/8"	9,5	8	17	21,5	10	16
020022	RHP 14 04 M6x1	4	M6x1	9,5	7	17	21,5	10	13,9
020055	RHP 14 04 M8x1	4	M8x1	9,5	7	17	21,5	10	14,2
020056	RHP 14 04 M10x1	4	M10x1	9,5	7	18	21,5	10	16,9
020057	RHP 14 06 18	6	R1/8"	11,5	7,5	20	24	11	21
020058	RHP 14 06 M6x1	6	M6x1	11,5	7	20	24	11	19,8
020059	RHP 14 06 M8x1	6	M8x1	11,5	7	20	24	11	19,8
020060	RHP 14 06 M10x1	6	M10x1	11,5	7	21	24	11	22,7

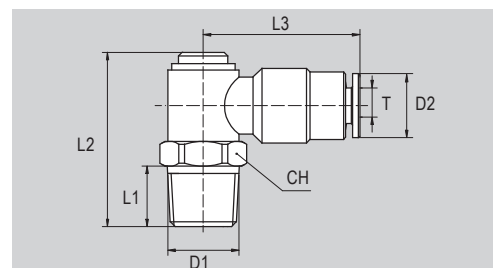
Push-in fittings

Series RHP



Main features

Type	Description
RHP15	BSPT swivel elbow. For high pressure, in nickel-plated brass..



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	CH1	CH2	Weight (g)
020070	RHP 15 04 18	4	R1/8"	9,5	8,5	24,5	22	11	18,5
020072	RHP 15 04 M6x1	4	M6x1	9,5	8	24	22	11	16,9
020089	RHP 15 04 M8x1	4	M8x1	9,5	8	24	22	11	17,4
020074	RHP 15 04 M10x1	4	M10x1	9,5	8	25	22	11	18,9
020075	RHP 15 06 18	6	R1/8"	11,5	8,5	24,5	24	11	20,2
020120	RHP 15 06 14	6	R1/4"	11,5	11	28	24	14	25,5
020077	RHP 15 06 M6x1	6	M6x1	11,5	8	24	24	11	18,6
020078	RHP 15 06 M8x1	6	M8x1	11,5	8	24	24	11	19,5
020079	RHP 15 06 M10x1	6	M10x1	11,5	8	25	24	11	21

Push-in fittings

Series RT



Code key

Series	Type*	Ø Tube*	Thread (or Ø Tube 2)*
RT	12	08	18

RT

12M, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 43, 44, 46, 48, 49

04 = Ø 4 mm

06 = Ø 6 mm

08 = Ø 8 mm

10 = Ø 10 mm

12 = Ø 12 mm

14 = Ø 14 mm

M5 = M5x0,8

M7 = M7x1

18 = 1/8"

14 = 1/4"

38 = 3/8"

12 = 1/2"

How to order

Series	Type	Ø Tube	Thread
RT	12	08	18

Notes

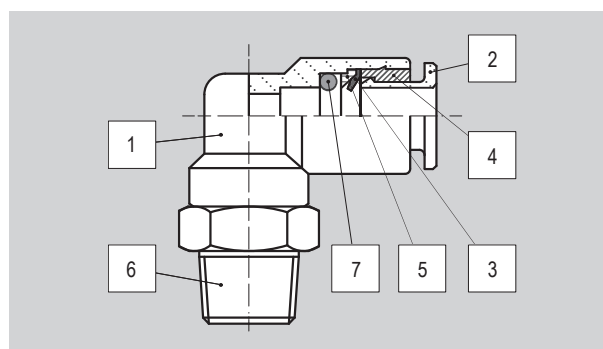
For standard materials see the table below.

* For matching between fitting type, tube diameter and thread, see from page 4.7.2; for the specific type, see the following pages.

Technical data

Version	Series RT	
Fluid	Compressed air	
Maximum pressure	18 bar	
Vacuum	-99 KPa	
Temperature range	-20°C ÷ +70°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Taper threads	UNI EN 10226-1 (BSPT)	
Metric threads	UNI EN ISO 965-1	
Tubes	Calibrated Nylon (PA6), PU and Rilsan (PA11)	
Tubes tolerance	Ø 4 mm ÷ Ø 10 mm	±0,07 mm
	Ø 12 mm ÷ Ø 14 mm	±0,1 mm

Standard materials



Position	Description	Material
1	Body	Acetalic resin (POM)*
2	Release collar	Acetalic resin (POM)
3	Collet	Stainless Steel AISI 301
4	Sealing ring	Acetalic resin (POM)
5	Protection ring	Acetalic resin (POM)
6	Metal thread	Nickel-plated brass**
7	Seals	NBR

*In nickel-plated brass for type RT12M

**In acetalic resin (POM) for types RT12 and RT13

Fittings series RT

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Stem Ø mm	Data sheet and code page
RT12	BSP stud		-	1/8", 1/4", 3/8"	M7x1	4, 6, 8, 10	-	4.7.4
RT13	BSP stem adapter		-	1/8", 1/4", 3/8"	-	-	4, 6, 8, 10	4.7.5
RT26	Reducer		-	-	-	4, 6, 8, 10, 12	6, 8, 10, 12, 14	4.7.5
RT27	Stem increaser		-	-	-	6, 8	4, 6	4.7.6
RT32	Stem		-	-	-	-	4, 6, 8, 10, 12, 14	4.7.6
RT33	Plug		-	-	-	-	4, 6, 8, 10, 12, 14	4.7.7
RT25	Union		-	-	-	4, 6, 8, 10, 12, 14	-	4.7.7
RT14	Equal elbow		-	-	-	4, 6, 8, 10, 12, 14	-	4.7.8
RT16	BSPT swivel elbow		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12, 14	-	4.7.8
RT17	Extended BSPT swivel elbow		1/8", 1/4", 3/8"	-	-	4, 6, 8, 10	-	4.7.9
RT18	BSP swivel elbow		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	4, 6, 8, 10, 12, 14	-	4.7.9
RT19	Extended BSP swivel elbow		-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	-	4.7.10
RT20	BSP swivel elbow with hexagonal wrench		-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	-	4.7.10
RT48	Bulkhead elbow		-	-	-	4, 6, 8, 10, 12	-	4.7.11
RT49	Stem elbow		-	-	-	4, 6, 8, 10, 12, 14	-	4.7.11
RT15	Equal tee		-	-	-	4, 6, 8, 10, 12, 14	-	4.7.12
RT21	BSPT swivel tee		1/8", 1/4", 3/8", 1/2"	-	-	4, 6, 8, 10, 12	-	4.7.12
RT22	BSP swivel tee		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	4, 6, 8, 10, 12	-	4.7.13
RT23	BSPT swivel side tee		1/8", 1/4", 3/8"	-	-	4, 6, 8, 10	-	4.7.13
RT24	BSP swivel side tee		-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	-	4.7.14
RT29	Y piece		-	-	-	4, 6, 8, 10, 12	-	4.7.14

Fittings series RT

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Stem Ø mm	Data sheet and code page
RT30	Stem Y		-	-	-	4, 6, 8	4, 6, 8	4.7.15
RT31	BSP swivel Y		-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8	-	4.7.15
RT46	Equal H swivel union		-	-	-	4, 6, 8, 10	-	4.7.16
RT36	Manifold		-	-	-	4, 6, 8	-	4.7.16
RT43	Double Y union		-	-	-	4, 6, 8	-	4.7.17
RT44	Double Y BSP union		-	1/8", 1/4"	-	4	-	4.7.17
RT28	Single banjo		-	-	-	4, 6, 8, 10	-	4.7.18
RT34	Stem cartridge		-	-	-	4, 6, 8, 10	-	4.7.19

Thread/Tube matching

External Tube Ø	Thread								
	M5x0,8	G1/8	G1/4	G3/8	G1/2	R1/8	R1/4	R3/8	R1/2
Ø 4 mm	●	●	●	-	-	●	●	-	-
Ø 6 mm	●	●	●	-	-	●	●	-	-
Ø 8 mm	-	●	●	●	-	●	●	●	-
Ø 10 mm	-	-	●	●	-	-	●	●	-
Ø 12 mm	-	-	-	●	●	-	-	●	●
Ø 14 mm	-	-	-	●	●	-	-	●	●

Key
● available matching; - not available matching

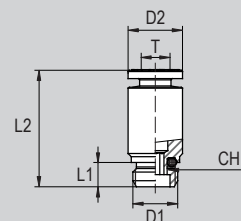
Push-in fittings

Series RT



Main features

Type	Description
RT12	BSP stud. Body in nickel-plated brass, ring in acetalic resin (POM).

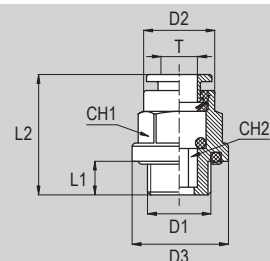


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	CH	Weight (g)
029109	RT 12 04 M7	4	M7x1	7,8	5,5	20	3	-
029110	RT 12 06 M7	6	M7x1	10	4,5	19,5	4	-

Main features

Type	Description
RT12	BSP stud. Fully made of acetalic resin (POM).



Dimensions

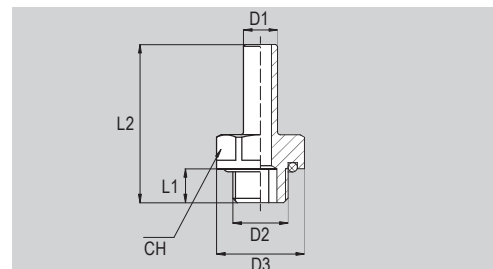
Code	Item	T (ØTube)	D1	D2	D3	L1	L2	CH1	CH2	Weight (g)
029101	RT 12 04 18	4	G1/8"	9,5	15	6	21	10	3	2,3
029102	RT 12 06 18	6	G1/8"	11,5	15	6	24	12	4	2,7
029103	RT 12 06 14	6	G1/4"	11,5	18	7	24	12	4	4,1
029104	RT 12 08 18	8	G1/8"	14	15	6	25,5	14	6	2,9
029105	RT 12 08 14	8	G1/4"	14	18	7	24	14	6	3,8
029106	RT 12 08 38	8	G3/8"	14	22	7	24	14	6	5,9
029107	RT 12 10 14	10	G1/4"	16	18	7	27	16	8	4
029108	RT 12 10 38	10	G3/8"	16	22	7	25	16	8	6,2

Push-in fittings

Series RT

Main features

Type	Description
RT13	BSP stem adapter. Fully made of acetalic resin (POM).

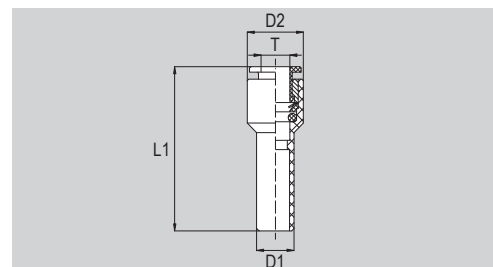


Dimensions

Code	Item	D1	D2	D3	L1	L2	CH	Weight (g)
029121	RT 13 04 18	4	G1/8"	15,5	6	27	14	1,9
029122	RT 13 06 18	6	G1/8"	15,5	6	30	14	2
029123	RT 13 06 14	6	G1/4"	18,5	8	33,5	17	3,2
029124	RT 13 08 18	8	G1/8"	15,5	6	32	14	2,1
029125	RT 13 08 14	8	G1/4"	18,5	8	35,5	17	3,5
029126	RT 13 08 38	8	G3/8"	23,5	9	37	21	5,4
029127	RT 13 10 14	10	G1/4"	18,5	8	37,5	17	3,5
029128	RT 13 10 38	10	G3/8"	23,5	9	39	21	5,5

Main features

Type	Description
RT26	Reducer. Fully made of acetalic resin (POM).



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	Weight (g)
029351	RT 26 04 06	4	6	10	31,5	1,7
029352	RT 26 04 08	4	8	10	32,5	2
029353	RT 26 04 10	4	10	10	34,5	3
029354	RT 26 06 08	6	8	12	37	2,6
029355	RT 26 06 10	6	10	12	37	3,1
029356	RT 26 06 12	6	12	12	39	3,9
029357	RT 26 08 10	8	10	14	39,5	3,7
029358	RT 26 08 12	8	12	14	41,5	4,4
029359	RT 26 10 12	10	12	16	45	5,3
029361	RT 26 10 14	10	14	16	45	6,2
029362	RT 26 12 14	12	14	16	47	7,1

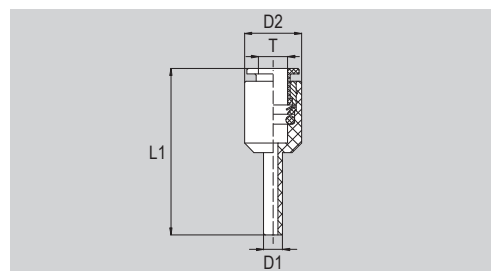
Push-in fittings

Series RT



Main features

Type	Description
RT27	Stem increaser. Fully made of acetalic resin (POM).

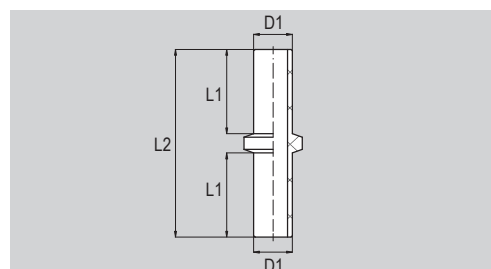


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	Weight (g)
029371	RT 27 06 04	6	4	12	34	2,1
029372	RT 27 08 06	8	6	14	36,5	2,9

Main features

Type	Description
RT32	Stem. Fully made of acetalic resin (POM).



Dimensions

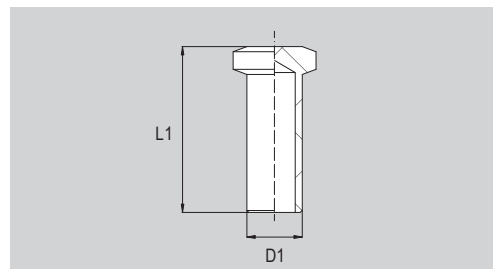
Code	Item	D1	L1	L2	Weight (g)
029431	RT 32 04 04	4	15	33	0,6
029432	RT 32 06 06	6	18	40	1,3
029433	RT 32 08 08	8	20	44	1,8
029434	RT 32 10 10	10	22	48	3,1
029435	RT 32 12 12	12	25	54	4,2
029436	RT 32 14 14	14	25	54	4,8

Push-in fittings

Series RT

Main features

Type	Description
RT33	Plug. Fully made of acetalic resin (POM).

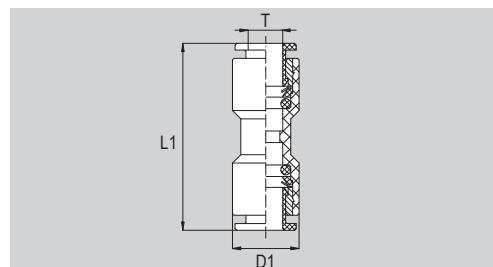


Dimensions

Code	Item	D1	L1	Weight (g)
029441	RT 33 04 04	4	18	0,3
029442	RT 33 06 06	6	22	0,9
029443	RT 33 08 08	8	24	1,3
029444	RT 33 10 10	10	26	2
029445	RT 33 12 12	12	40	3,3
029446	RT 33 14 14	14	40	4,2

Main features

Type	Description
RT25	Union. Fully made of acetalic resin (POM).



Dimensions

Code	Item	T (ØTube)	D1	L1	Weight (g)
029341	RT 25 04 04	4	10	26,5	2,2
029342	RT 25 06 06	6	12	34	3,4
029345	RT 25 06 04	6-4	12	31	2,8
029343	RT 25 08 08	8	14	35,5	4,3
029346	RT 25 08 06	8-6	14	35	4,4
029344	RT 25 10 10	10	16	37,5	5,5
029347	RT 25 10 08	10-8	16	36,5	7
029348	RT 25 12 12	12	19	42	7,6
029349	RT 25 12 08	12-8	19	41,5	9,5
029350	RT 25 12 10	12-10	19	41,5	8,6
029360	RT 25 14 14	14	22,5	48	13

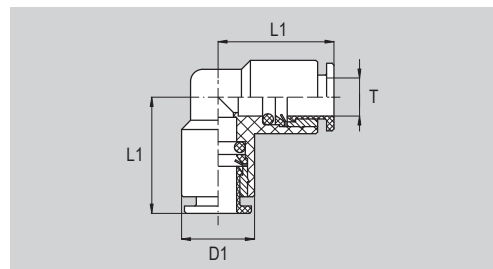
Push-in fittings

Series RT



Main features

Type	Description
RT14	Equal elbow. Fully made of acetalic resin (POM).

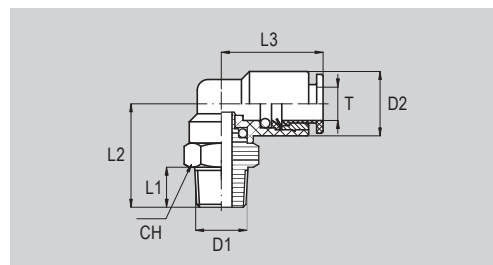


Dimensions

Code	Item	T (ØTube)	D1	L1	Weight (g)
029141	RT 14 04 04	4	10	15,5	2,2
029142	RT 14 06 06	6	12	19,7	3,8
029143	RT 14 08 08	8	14	21,5	4,9
029144	RT 14 10 10	10	16	23,5	6,3
029145	RT 14 12 12	12	19	27	9,6
029146	RT 14 14 14	14	22,5	30,5	15,5

Main features

Type	Description
RT16	BSPT swivel elbow. Body in acetalic resin (POM), nickel-plated brass screw with taper thread.



Dimensions

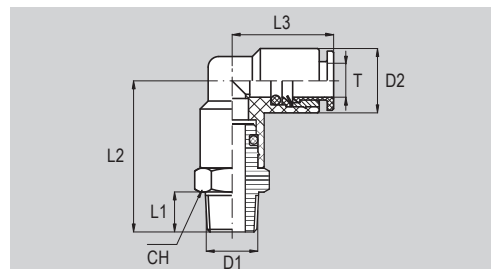
Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029161	RT 16 04 18	4	R1/8"	10	7,5	17	15,5	10	6,4
029162	RT 16 04 14	4	R1/4"	10	11	20,5	15,5	14	11,5
029163	RT 16 06 18	6	R1/8"	12	7,5	18,8	20	12	8,4
029164	RT 16 06 14	6	R1/4"	12	11	23,3	20	14	13,6
029165	RT 16 08 18	8	R1/8"	14	7,5	19,5	21,5	12	9
029166	RT 16 08 14	8	R1/4"	14	11	24	21,5	14	14,1
029167	RT 16 08 38	8	R3/8"	14	11,5	24,5	21,5	17	19
029168	RT 16 10 14	10	R1/4"	16	11	25,5	24	16	17,3
029169	RT 16 10 38	10	R3/8"	16	11,5	26,5	24	17	21,7
029170	RT 16 12 38	12	R3/8"	19	11,5	28,5	28,5	20	32,8
029171	RT 16 12 12	12	R1/2"	19	14	31,5	28,5	22	41,4
029172	RT 16 14 38	14	R3/8"	22,5	11,5	29,5	32,3	20	34,6
029173	RT 16 14 12	14	R1/2"	22,5	14	32,5	32,3	22	43,2

Push-in fittings

Series RT

Main features

Type	Description
RT17	Extended BSPT swivel elbow. Body in acetalic resin (POM), nickel-plated brass screw with taper thread.

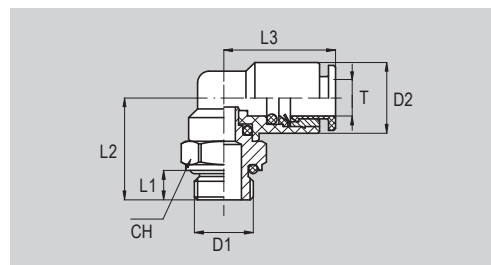


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029181	RT 17 04 18	4	R1/8"	10	7,5	26	15,5	10	10
029182	RT 17 04 14	4	R1/4"	10	11	30	15,5	14	16,1
029183	RT 17 06 18	6	R1/8"	12	7,5	33,3	20	12	17,6
029184	RT 17 06 14	6	R1/4"	12	11	37,8	20	14	20,5
029185	RT 17 08 18	8	R1/8"	14	7,5	34	21,5	12	18
029186	RT 17 08 14	8	R1/4"	14	11	38,5	21,5	14	20,8
029187	RT 17 08 38	8	R3/8"	14	11,5	39	21,5	17	27,4
029188	RT 17 10 14	10	R1/4"	16	11	41,9	24	16	36,4
029189	RT 17 10 38	10	R3/8"	16	11,5	42,9	24	17	35,1

Main features

Type	Description
RT18	BSP swivel elbow. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029201	RT 18 04 M5	4	M5x0,8	10	4	14,8	15,5	9	4,6
029202	RT 18 04 18	4	G1/8"	10	5	15	15,5	13	7,1
029203	RT 18 04 14	4	G1/4"	10	6,5	17	15,5	16	11,1
029204	RT 18 06 M5	6	M5x0,8	12	4	15,3	20	12	7,9
029205	RT 18 06 18	6	G1/8"	12	5	17,3	20	12	8,4
029206	RT 18 06 14	6	G1/4"	12	6,5	19,3	20	15	12,5
029207	RT 18 08 18	8	G1/8"	14	5	18	21,5	12	8,8
029208	RT 18 08 14	8	G1/4"	14	6,5	20	21,5	15	13
029209	RT 18 08 38	8	G3/8"	14	7	21,5	21,5	20	21,4
029210	RT 18 10 14	10	G1/4"	16	6,5	21,5	24	16	15,6
029211	RT 18 10 38	10	G3/8"	16	6,5	23,5	24	20	22,8
029212	RT 18 12 38	12	G3/8"	19	7	24	28,5	20	27,2
029213	RT 18 12 12	12	G1/2"	19	8,5	28,5	28,5	20	34,9
029214	RT 18 14 38	14	G3/8"	22,5	7	25	32,3	20	28,8
029215	RT 18 14 12	14	G1/2"	22,5	8,5	29,5	32,3	20	36,5

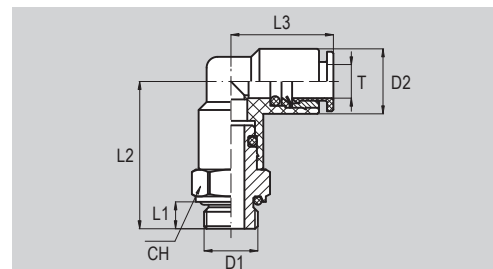
Push-in fittings

Series RT



Main features

Type	Description
RT19	Extended BSP swivel elbow. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.

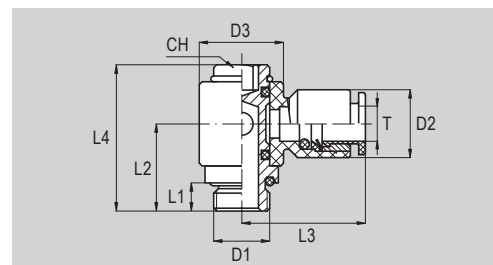


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029221	RT 19 04 M5	4	M5x0,8	10	4	23,8	15,5	9	9,1
029222	RT 19 04 18	4	G1/8"	10	5	24	15,5	13	10,2
029223	RT 19 04 14	4	G1/4"	10	6,5	26	15,5	16	13,7
029224	RT 19 06 M5	6	M5x0,8	12	4	29,8	20	12	20,8
029225	RT 19 06 18	6	G1/8"	12	5	31,8	20	13	19,6
029226	RT 19 06 14	6	G1/4"	12	6,5	33,8	20	16	20,5
029227	RT 19 08 18	8	G1/8"	14	5	32,5	21,5	13	20
029228	RT 19 08 14	8	G1/4"	14	6,5	34,5	21,5	16	20,9
029229	RT 19 08 38	8	G3/8"	14	7	36	21,5	20	29,4
029230	RT 19 10 14	10	G1/4"	16	6,5	36,9	24	16	32,3
029231	RT 19 10 38	10	G3/8"	16	7	38,9	24	20	36,8

Main features

Type	Description
RT20	BSP swivel elbow with hexagonal wrench. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
029241	RT 20 04 M5	4	M5x0,8	10	9	4	12	17,6	19,1	3	5,4
029242	RT 20 04 18	4	G1/8"	10	13	5	15	19,1	25,5	4	12,2
029250	RT 20 06 M5	6	M5x0,8	12	9	4	12	19	21,5	3	5,9
029243	RT 20 06 18	6	G1/8"	12	13	5	15	22,7	25,5	4	12,8
029244	RT 20 06 14	6	G1/4"	12	16	6,5	17,5	24,3	29	5	21,8
029245	RT 20 08 18	8	G1/8"	14	13	5	15	23	25,5	4	13
029246	RT 20 08 14	8	G1/4"	14	16	6,5	17,5	29	24,6	5	22,2
029247	RT 20 08 38	8	G3/8"	14	20	7	19,5	26,5	32,5	6	34,9
029248	RT 20 10 14	10	G1/4"	16	16	6,5	17,5	29	27	5	22,5
029249	RT 20 10 38	10	G3/8"	16	20	7	19,5	28,5	32,5	6	35,5

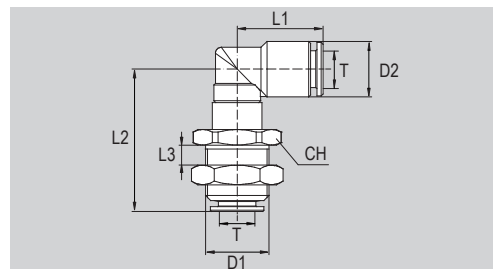
Push-in fittings

Series RT



Main features

Type	Description
RT48	Bulkhead elbow. Body in acetalic resin (POM), nickel-plated brass screw.

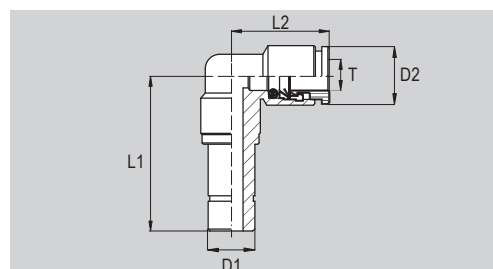


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3 (max)	CH	Weight (g)
029500	RT 48 04 04	4	M12x0,75	10	15,5	27,1	5,5	15	18
029501	RT 48 06 06	6	M14x1	12	20	33	5,7	18	32,8
029502	RT 48 08 08	8	M16x1	14	21,5	35,7	7,7	20	39,6
029503	RT 48 10 10	10	M18x1	16	24	40,3	9,2	22	52,8
029504	RT 48 12 12	12	M20x1	19	28,5	44,5	9,8	24	71,5

Main features

Type	Description
RT49	Stem elbow Fully made of acetalic resin (POM).

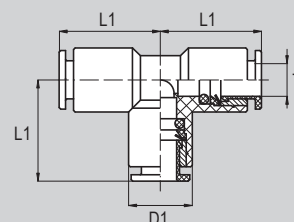


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	Weight (g)
029514	RT 49 04 04	4	4	10	21	15,5	1,8
029515	RT 49 06 06	6	6	12	25,5	20	3,2
029516	RT 49 08 08	8	8	14	28,8	21,5	3,8
029517	RT 49 10 10	10	10	16	32,4	24	6,7
029518	RT 49 12 12	12	12	19	36	28,5	9,5
029519	RT 49 14 14	14	14	22,5	36,9	32,3	11,5

Main features

Type	Description
RT15	Equal tee. Fully made of acetalic resin (POM).

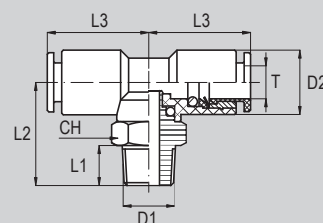


Dimensions

Code	Item	T (ØTube)	D1	L1	Weight (g)
029151	RT 15 04 04	4	10	15,2	3,3
029152	RT 15 06 06	6	12	19,7	5,4
029153	RT 15 08 08	8	14	21,5	7,1
029154	RT 15 10 10	10	16	23,5	8,8
029155	RT 15 12 12	12	19	27	13,8
029156	RT 15 14 14	14	22,5	30,5	21,7

Main features

Type	Description
RT21	BSPT swivel tee. Body in acetalic resin (POM), nickel-plated brass screw with taper thread.

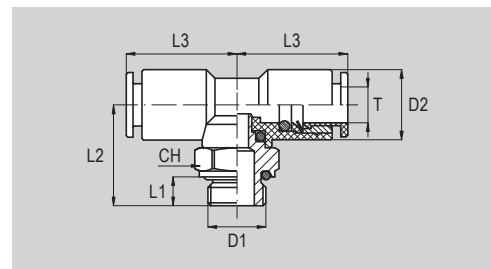


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029261	RT 21 04 18	4	R1/8"	10	7,5	17	15,7	10	7,4
029262	RT 21 04 14	4	R1/4"	10	11	20,5	15,7	14	13,8
029263	RT 21 06 18	6	R1/8"	12	7,5	18,8	20,2	12	10
029264	RT 21 06 14	6	R1/4"	12	11	23,3	20,2	14	15,5
029265	RT 21 08 18	8	R1/8"	14	7,5	19,5	21,7	12	11,2
029266	RT 21 08 14	8	R1/4"	14	11	24	21,7	14	16,3
029267	RT 21 08 38	8	R3/8"	14	11,5	24,5	21,7	17	21,3
029268	RT 21 10 14	10	R1/4"	16	11	25,5	24	16	19,9
029269	RT 21 10 38	10	R3/8"	16	11,5	26,5	24	17	27
029270	RT 21 12 38	12	R3/8"	19	11,5	28,5	28,5	20	36,3
029271	RT 21 12 12	12	R1/2"	19	14	31,5	28,5	22	44,8

Main features

Type	Description
RT22	BSP swivel tee. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.

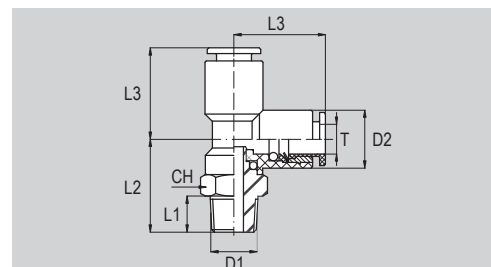


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029281	RT 22 04 M5	4	M5x0,8	10	4	14,8	15,7	9	5,6
029282	RT 22 04 18	4	G1/8"	10	5	15	15,7	13	8,1
029283	RT 22 04 14	4	G1/4"	10	6,5	17	15,7	16	12
029284	RT 22 06 M5	6	M5x0,8	12	4	15,3	20,2	12	9,2
029285	RT 22 06 18	6	G1/8"	12	5	17,3	20,2	12	9,8
029286	RT 22 06 14	6	G1/4"	12	6,5	19,3	20,2	15	13,6
029287	RT 22 08 18	8	G1/8"	14	5	18	21,7	12	11,1
029288	RT 22 08 14	8	G1/4"	14	6,5	20	21,7	15	15,1
029289	RT 22 08 38	8	G3/8"	14	7	21,5	21,7	20	23,7
029290	RT 22 10 14	10	G1/4"	16	6,5	21,5	24	16	18
029291	RT 22 10 38	10	G3/8"	16	7	23,5	24	20	25,2
029292	RT 22 12 38	12	G3/8"	19	7	24	28,5	20	30,5
029293	RT 22 12 12	12	G1/2"	19	8,5	28,5	28,5	20	38,1

Main features

Type	Description
RT23	BSPT swivel side tee. Body in acetalic resin (POM), nickel-plated brass screw with taper thread.



Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029301	RT 23 04 18	4	R1/8"	10	7,5	17	15,5	10	7,4
029302	RT 23 04 14	4	R1/4"	10	11	20,5	15,5	14	12,6
029303	RT 23 06 18	6	R1/8"	12	7,5	18,8	20	12	10,1
029304	RT 23 06 14	6	R1/4"	12	11	23,3	20	14	15,2
029305	RT 23 08 18	8	R1/8"	14	7,5	19,5	21,5	12	10,9
029306	RT 23 08 14	8	R1/4"	14	11	24	21,5	14	16,2
029307	RT 23 08 38	8	R3/8"	14	11,5	24,5	21,5	17	23,7
029308	RT 23 10 14	10	R1/4"	16	11	25,5	24	16	22,5
029309	RT 23 10 38	10	R3/8"	16	11,5	26,5	24	17	26,7

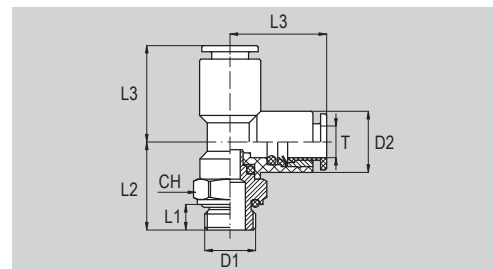
Push-in fittings

Series RT



Main features

Type	Description
RT24	BSP swivel side tee. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.

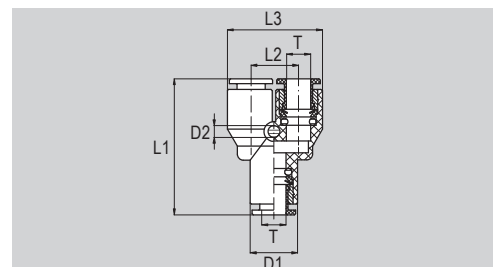


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	CH	Weight (g)
029321	RT 24 04 M5	4	M5x0,8	10	4	14,8	15,5	9	5,6
029322	RT 24 04 18	4	G1/8"	10	5	15	15,5	13	8,1
029323	RT 24 04 14	4	G1/4"	10	6,5	17	15,5	16	13
029324	RT 24 06 M5	6	M5x0,8	12	4	15,3	20	12	10,3
029325	RT 24 06 18	6	G1/8"	12	5	17,3	20	12	9,9
029326	RT 24 06 14	6	G1/4"	12	6,5	19,3	20	15	13,9
029327	RT 24 08 18	8	G1/8"	14	5	18	21,5	12	10,7
029328	RT 24 08 14	8	G1/4"	14	6,5	20	21,5	15	14,7
029329	RT 24 08 38	8	G3/8"	14	7	21,5	21,5	20	27,4
029330	RT 24 10 14	10	G1/4"	16	6,5	21,5	24	16	20
029331	RT 24 10 38	10	G3/8"	16	7	23,5	24	20	25,1

Main features

Type	Description
RT29	Y piece. Fully made of acetalic resin (POM).



Dimensions

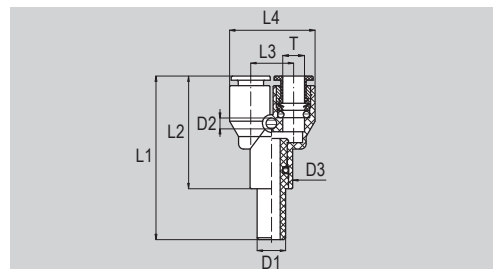
Code	Item	T (ØTube)	D1	D2	L1	L2	L3	Weight (g)
029401	RT 29 04 04	4	10	2,7	28,3	10,7	20,7	3,5
029402	RT 29 06 06	6	12	3,2	35,9	13,2	25,2	5,7
029403	RT 29 08 08	8	14	3,2	38,5	15,2	29,2	7,9
029404	RT 29 10 10	10	16	3,2	40,6	18,5	34,5	9,7
029405	RT 29 12 12	12	19	3,2	45	21	40	15,5

Push-in fittings

Series RT

Main features

Type	Description
RT30	Stem Y. Fully made of acetalic resin (POM).

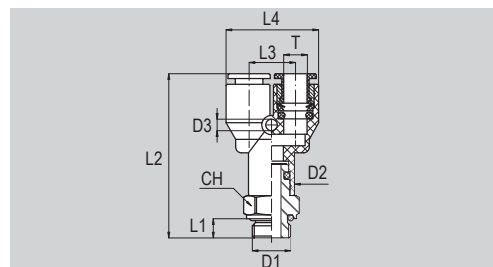


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	Weight (g)
029411	RT 30 04 04	4	4	2,7	10	42,3	25,8	10,7	20,7	3,8
029412	RT 30 04 06	4	6	2,7	10	44,6	25,8	10,7	20,7	4,2
029413	RT 30 04 08	4	8	2,7	10	46,3	25,8	10,7	20,7	4,5
029414	RT 30 06 06	6	6	3,2	12	51,9	32,9	13,2	25,2	6,3
029415	RT 30 08 08	8	8	3,2	14	54,5	35,5	15,2	29,2	8,7

Main features

Type	Description
RT31	BSP swivel Y. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.



Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH	Weight (g)
029421	RT 31 04 M5	4	M5x0,8	10	2,7	4	33,8	10,7	20,5	9	6,5
029422	RT 31 04 18	4	G1/8"	10	2,7	5	34,8	10,7	20,5	13	9
029423	RT 31 04 14	4	G1/4"	10	2,7	6,5	36,8	10,7	20,5	16	13,4
029424	RT 31 06 18	6	G1/8"	12	3,2	5	41,9	13,2	25,2	13	11,5
029425	RT 31 06 14	6	G1/4"	12	3,2	6,5	43,9	13,2	25,2	16	16,2
029426	RT 31 08 18	8	G1/8"	14	3,2	5	43	15,2	29,2	14	15,9
029427	RT 31 08 14	8	G1/4"	14	3,2	6,5	46,5	15,2	29,2	16	18,8
029428	RT 31 08 38	8	G3/8"	14	3,2	7	48,5	15,2	29,2	20	27,7

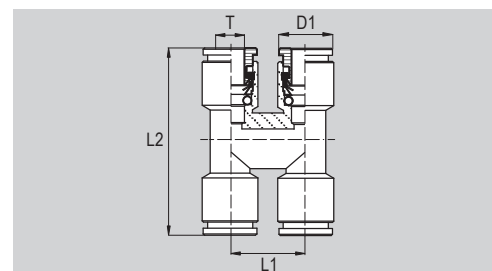
Push-in fittings

Series RT



Main features

Type	Description
RT46	Equal H swivel union. Fully made of acetalic resin (POM).

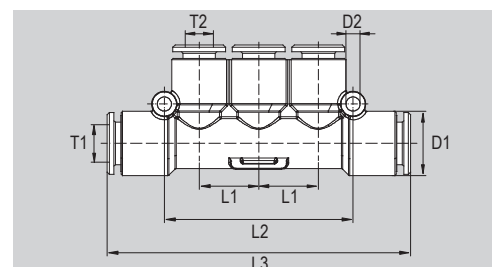


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	Weight (g)
029507	RT 46 04 04	4	10	14	31,4	9,2
029508	RT 46 06 06	6	12	17,6	40,4	11,9
029509	RT 46 08 08	8	14	19	43,4	14,1
029510	RT 46 10 10	10	16	23	48	25,8

Main features

Type	Description
RT36	Manifold. Fully made of acetalic resin (POM).



Dimensions

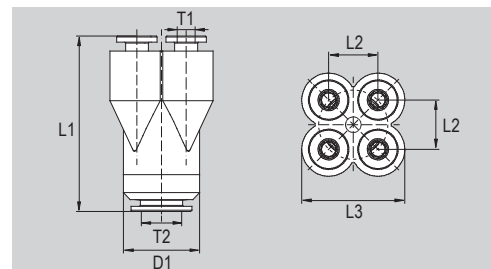
Code	Item	T1 (ØTube)	T2 (ØTube)	L1	L2	L3	D1	D2	Weight (g)
029462	RT 36 06 04	6	4	11	35,2	59	12	3,2	8
029463	RT 36 08 06	8	6	13	41,2	66	14	3,2	11,2

Push-in fittings

Series RT

Main features

Type	Description
RT43	Double Y union. Body in acetalic resin (POM), bottom connection in nickel-plated brass.

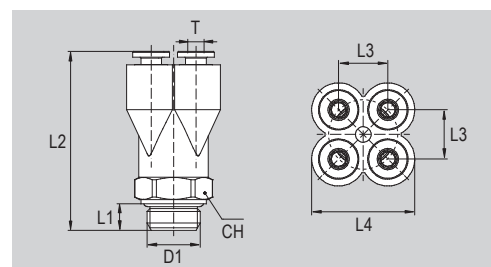


Dimensions

Code	Item	T1 (ØTube)	T2 (ØTube)	D1	L1	L2	L3	Weight (g)
029406	RT 43 04 06	4	6	17	38,5	11	23	27,8
029408	RT 43 04 08	4	8	17	38,5	11	23	25

Main features

Type	Description
RT44	Double Y BSP union. Body in acetalic resin (POM), nickel-plated brass screw with sealing O-ring.



Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	L4	CH	Weight (g)
029409	RT 44 04 18	4	G1/8"	5	41	11	23	17	32,8
029410	RT 44 04 14	4	G1/4"	6,5	43	11	23	17	32

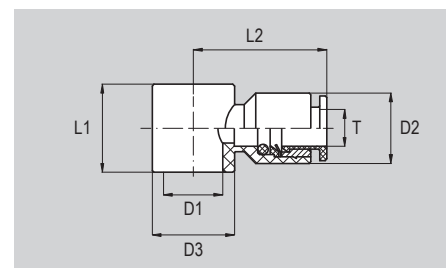
Push-in fittings

Series RT



Main features

Type	Description
RT28	Single banjo. Fully made of acetalic resin (POM). Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15 (for M5 with coding M5R only). Compatible with accessories with integrated function types V45, V46 and V47.

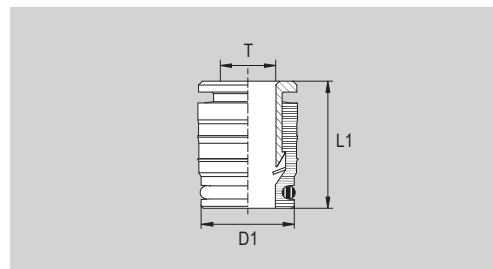


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	Weight (g)
029391	RT 28 04 M5	4	M5	10	9,7	10	17,6	1,9
029400	RT 28 04 M5R	4	7	10	9,7	10	17,6	2,3
029392	RT 28 04 18	4	1/8"	10	15	15	19,1	2,9
029407	RT 28 06 M5R	6	7	12	9,7	10	21,5	3,1
029393	RT 28 06 18	6	1/8"	12	15	15	22,7	3,5
029394	RT 28 06 14	6	1/4"	12	18	17	24,3	4,2
029395	RT 28 08 18	8	1/8"	14	15	15	23	3,7
029396	RT 28 08 14	8	1/4"	14	18	17	24,6	4,6
029397	RT 28 08 38	8	3/8"	14	23	20	26,5	6,4
029398	RT 28 10 14	10	1/4"	16	18	17	27	5,2
029399	RT 28 10 38	10	3/8"	16	23	20	28,5	8,4

Main features

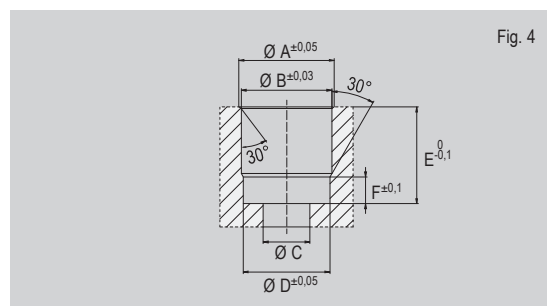
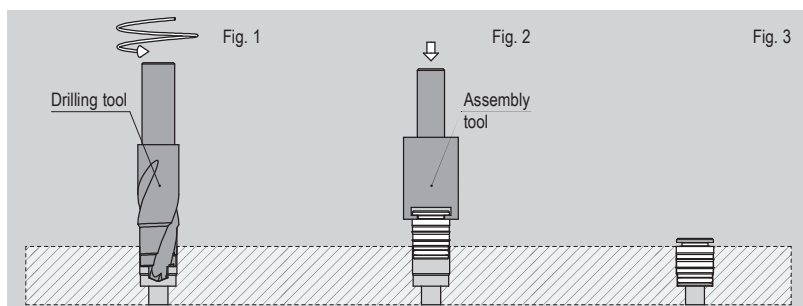
Type	Description
RT34	Stem cartridge. Body in acetalic resin (POM) with brass reinforcement.



Dimensions

Code	Item	T (ØTube)	D1	L1	Weight (g)
029451	RT 34 04 04	4	9,3	14,5	2,8
029452	RT 34 06 06	6	11,5	17	4,6
029453	RT 34 08 08	8	13,7	17,5	6,4
029454	RT 34 10 10	10	15,8	19	8,3

Cartridge seat drilling plan



Drill the cartridge seat with the drilling tool (fig. 1) following the instructions (fig. 4);

Then manually press the cartridge inside the seat, until it rests on the seat plane, with the Assembly Tool (fig.2);

Doing this way will ensure that the insertion has been made (fig. 3).

Drilling tool and Assembly tool available on request. For further informations, please contact the sales department.

T (ØTube)	Ø A	ØB	ØC	ØD	E	F
4	9,5	9,2	3	8,6	12	3,2
6	11,7	11,4	5	10,8	14	4
8	13,9	13,6	7	13	14,5	4
10	16	15,7	9	15,1	16	4

Notes

RAPID

fittings



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Rapid fittings in nickel-plated brass. Available in many versions, threads and tube diameters. Supplied as standard in compliance to Reach and RoHS directives.



Series C

from page 4.20.10



Series of rapid fittings, for connecting Nylon and Polyurethane tubes, to use in all those applications needing a safer tube-fitting connection. Available in different configurations, with taper BSPT threads and BSP threads, in various sizes. Some types are equipped with washer and O-ring.



Code key

Series	Type*	Tube*	Thread (or Ø Tube 2)*
C	11	06	18

C

11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 29, 30, 31, 32, 34, 36, 37, 38, 40
--

04 = Ø 4 - 2,5
05 = Ø 5 - 3
06 = Ø 6 - 4
08 = Ø 8 - 6
10 = Ø 10 - 8
12 = Ø 12 - 10
15 = Ø 15 - 12,5

M5 = M5x0,8
12x1,25 = M12x1,25
12x1,5 = M12x1,5
18 = 1/8"
14 = 1/4"
38 = 3/8"
12 = 1/2"

How to order

Series	Type	Ø Tube	Thread
C	11	06	18

Notes

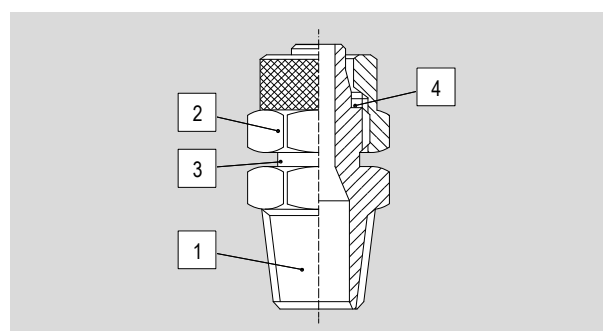
For standard materials see the table below.

* For matching between fitting type, tube diameter and thread, see from page 4.20.11; for the specific type, see the following pages.

Technical data

Version	Series C	
Fluid	Compressed air	
Maximum pressure	Always higher than the tube	
Vacuum	-99 KPa	
Temperature range	-20°C ÷ +90°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Taper threads	UNI EN 10226-1 (BSPT)	
Metric threads	UNI EN ISO 965-1	
Tubes	Calibrated Nylon (PA6), PU and Rilsan (PA11)	
Tubes tolerance	Ø 4 mm ÷ Ø 10 mm	±0,07 mm
	Ø 12 mm ÷ Ø 15 mm	±0,1 mm

Standard materials



Position	Description	Material
1	Body	Nickel-plated brass
2	Nut	Nickel-plated brass
3	Washer*	Acetalic resin (POM)
4	Seal*	NBR

*Where present

Fittings series C

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Data sheet and code page
C11	BSPT stud		1/8", 1/4", 3/8", 1/2"	-	-	4-2,5, 5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.13
C12	BSP stud		-	1/8", 1/4", 3/8", 1/2"	M5x0,8, M12x1,25, M12x1,5	4-2,5, 5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.14
C29	BSPT swivel stud		1/8", 1/4"	-	-	6-4, 8-6, 10-12	4.20.13
C13	Female BSP stud		-	1/8", 1/4", 3/8"	-	5-3, 6-4, 8-6, 10-12, 12-10	4.20.15
C14	Union		-	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.14
C15	Bulkhead		-	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.15
C16	BSPT elbow		1/8", 1/4", 3/8", 1/2"	-	M5x0,8, M12x1,25, M12x1,5	4-2,5, 5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.16
C17	Female BSP elbow		-	1/8", 1/4", 3/8"	-	5-3, 6-4, 8-6, 10-12, 12-10	4.20.16
C18	Equal elbow		-	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.17
C40	BSP swivel elbow		-	1/8", 1/4"	M5x0,8	6-4, 8-6, 10-12	4.20.17
C30	Single banjo elbow with hexagonal wrench		-	1/8", 1/4", 3/8"	-	6-4, 8-6, 10-12	4.20.18
C34	Single banjo elbow		-	1/8", 1/4", 3/8"	M5x0,8	4-2,5, 5-3, 6-4, 8-6, 10-12	4.20.18
C20	BSPT tee		1/8", 1/4", 3/8", 1/2"	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.19
C31	BSP swivel tee with hexagonal wrench		-	1/8", 1/4", 3/8"	-	6-4, 8-6, 10-12	4.20.19
C36	Single banjo tee		-	1/8", 1/4", 3/8"	M5x0,8	5-3, 6-4, 8-6, 10-12	4.20.20
C19	Equal tee		-	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.20
C21	BSPT side tee		1/8", 1/4", 3/8", 1/2"	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.21
C22	Equal +		-	-	-	5-3, 6-4, 8-6, 10-12, 12-10, 15-12,5	4.20.21
C23	Single banjo		-	-	-	4-2,5, 5-3, 6-4, 8-6, 10-12	4.20.22
C24	Double banjo		-	-	-	5-3, 6-4, 8-6, 10-12	4.20.22
C37	Reduced single banjo		-	-	-	5-3, 6-4, 8-6, 10-12	4.20.23
C38	Reduced double banjo		-	-	-	5-3, 6-4, 8-6, 10-12	4.20.23
C25	Reduced hollow bolt		-	1/8", 1/4"	M5x0,8	-	4.20.24

Fittings series C

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Data sheet and code page
C26	Reduced double hollow bolt		-	1/8", 1/4"	-	-	4.20.24
C27	Nut		-	-	-	4, 5, 6, 8, 10, 12, 15	4.20.25
C32	Nut with spring		-	-	-	6, 8, 10	4.20.25

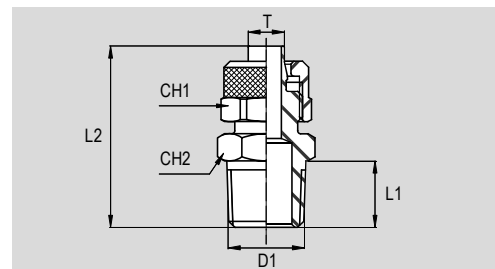
Thread/Tube matching

Tube Ø	Thread										
	M5x0,8	M12x1,25	M12x1,5	G1/8"	G1/4"	G3/8"	G1/2"	R1/8"	R1/4"	R3/8"	R1/2"
Ø 4-2,5	●	-	-	●	-	-	-	●	-	-	-
Ø 5-3	●	-	-	●	-	-	-	●	-	-	-
Ø 6-4	●	●	●	●	●	●	-	●	●	●	-
Ø 8-6	-	-	-	●	●	●	-	●	●	●	-
Ø 10-8	-	-	-	●	●	●	●	●	●	●	●
Ø 12-10	-	-	-	-	-	●	●	-	-	●	●
Ø 15-12,5	-	-	-	-	-	-	●	-	-	-	●

Key
● available matching; - not available matching

Main features

Type	Description
C11	BSPT stud. In nickel-plated brass.

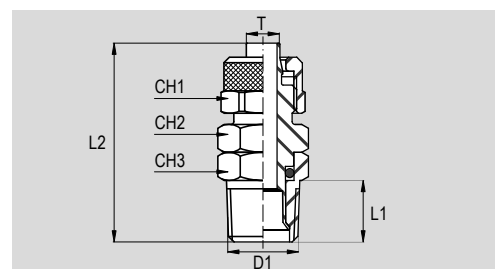


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021001	C 11 04 18	4-2,5	R1/8"	7,5	23	7	11	-
021003	C 11 05 18	5-3	R1/8"	7,5	25,5	12	11	-
021004	C 11 06 18	6-4	R1/8"	7,5	25,5	12	11	-
021005	C 11 06 14	6-4	R1/4"	11	29	12	14	-
021006	C 11 06 38	6-4	R3/8"	11,5	31	12	17	-
021007	C 11 08 18	8-6	R1/8"	7,5	26,5	14	13	-
021008	C 11 08 14	8-6	R1/4"	11	30	14	14	-
021009	C 11 08 38	8-6	R3/8"	11,5	31	14	17	-
021016	C 11 10 18	10-8	R1/8"	7,5	29	16	14	-
021010	C 11 10 14	10-8	R1/4"	11	32,5	16	14	-
021011	C 11 10 38	10-8	R3/8"	11,5	33	16	17	-
021012	C 11 10 12	10-8	R1/2"	14	36,5	16	22	-
021013	C 11 12 38	12-10	R3/8"	11,5	34,5	19	17	-
021014	C 11 12 12	12-10	R1/2"	14	38	19	22	-
021015	C 11 15 12	15-12,5	R1/2"	14	40,5	22	22	-

Main features

Type	Description
C29	BSPT swivel stud. In nickel-plated brass.

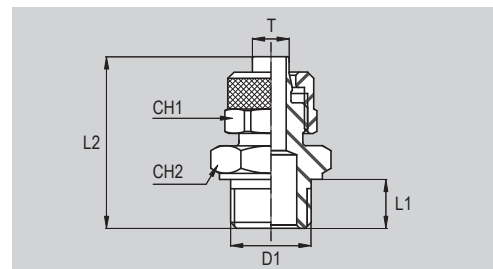


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	CH3	Weight (g)
021421	C 29 06 18	6-4	R1/8"	8	37	12	12	12	16,3
021422	C 29 06 14	6-4	R1/4"	11	40	12	14	14	27,2
021423	C 29 08 18	8-6	R1/8"	8	37	14	12	12	20,4
021424	C 29 08 14	8-6	R1/4"	11	40	14	14	14	30,6
021425	C 29 10 14	10-8	R1/4"	11	42	16	14	14	32,1

Main features

Type	Description
C12	BSP stud. In nickel-plated brass.

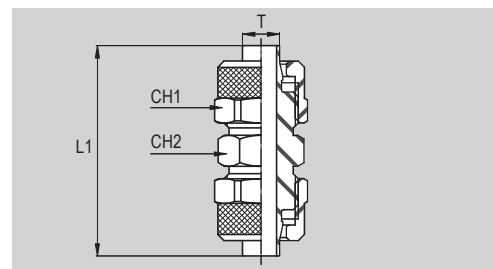


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021030	C 12 04 M5	4-2,5	M5x0,8	5	19	7	7	-
021031	C 12 04 18	4-2,5	G1/8"	6	22	7	14	-
021032	C 12 05 M5	5-3	M5x0,8	5	21	8	8	-
021033	C 12 05 18	5-3	G1/8"	6	24,5	12	14	-
021034	C 12 06 M5	6-4	M5x0,8	5	21	9	8	-
021049	C 12 06 12x1,25	6-4	M12x1,25	15	34	12	14	-
021050	C 12 06 12x1,5	6-4	M12x1,5	15	34	12	14	-
021035	C 12 06 18	6-4	G1/8"	6	24,5	12	14	-
021036	C 12 06 14	6-4	G1/4"	8	27	12	17	-
021046	C 12 06 38	6-4	G3/8"	9	29	12	20	-
021037	C 12 08 18	8-6	G1/8"	6	25,5	14	14	-
021038	C 12 08 14	8-6	G1/4"	6	28	14	17	-
021039	C 12 08 38	8-6	G3/8"	9	29	14	20	-
021047	C 12 10 18	10-8	G1/8"	6	29	16	14	-
021040	C 12 10 14	10-8	G1/4"	8	30	16	17	-
021041	C 12 10 38	10-8	G3/8"	9	31	16	20	-
021042	C 12 10 12	10-8	G1/2"	10	33	16	24	-
021043	C 12 12 38	12-10	G3/8"	9	32,5	19	20	-
021044	C 12 12 12	12-10	G1/2"	10	34,5	19	24	-
021045	C 12 15 12	15-12,5	G1/2"	10	36,5	22	24	-

Main features

Type	Description
C14	Union. In nickel-plated brass.

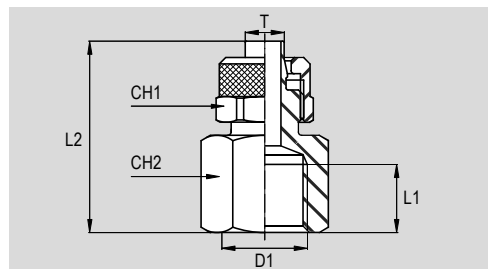


Dimensions

Code	Item	T (ØTube)	L1	CH1	CH2	Weight (g)
021092	C 14 05 05	5-3	33	12	11	-
021093	C 14 06 06	6-4	33	12	11	-
021094	C 14 08 08	8-6	35	14	12	-
021095	C 14 10 10	10-8	39	16	14	-
021096	C 14 12 12	12-10	42	19	16	-
021097	C 14 15 15	15-12,5	47	22	22	-

Main features

Type	Description
C13	Female BSP stud. In nickel-plated brass.

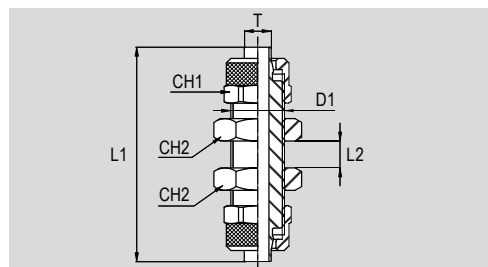


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021062	C 13 05 18	5-3	G1/8"	7,5	26	12	14	-
021063	C 13 06 18	6-4	G1/8"	7,5	26	12	14	-
021064	C 13 06 14	6-4	G1/4"	11	28,5	12	17	-
021065	C 13 08 18	8-6	G1/8"	7,5	27	14	14	-
021066	C 13 08 14	8-6	G1/4"	11	29,5	14	17	-
021067	C 13 08 38	8-6	G3/8"	11,5	30,5	14	20	-
021071	C 13 10 18	10-8	G1/8"	7,5	29,5	16	14	-
021068	C 13 10 14	10-8	G1/4"	11	31,5	16	17	-
021069	C 13 10 38	10-8	G3/8"	11,5	32,5	16	20	-
021070	C 13 12 38	12-10	G3/8"	11,5	34	19	20	-

Main features

Type	Description
C15	Bulkhead. In nickel-plated brass.

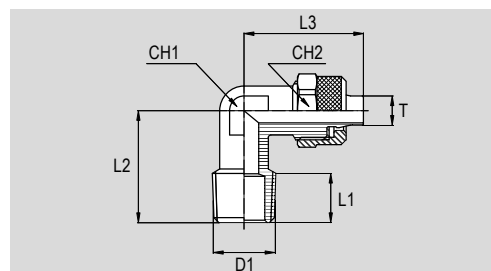


Dimensions

Code	Item	T (ØTube)	D1	L1	L2 max	CH1	CH2	Weight (g)
021112	C 15 05 05	5-3	10x1	45	8	12	14	-
021113	C 15 06 06	6-4	10x1	45	8	12	14	-
021114	C 15 08 08	8-6	12x1	48	8	14	17	-
021115	C 15 10 10	10-8	14x1	50	7	16	17	-
021116	C 15 12 12	12-10	16x1	55	7	19	20	-
021117	C 15 15 15	15-12,5	20x1	58	5	22	24	-

Main features

Type	Description
C16	BSPT elbow. In nickel-plated brass.

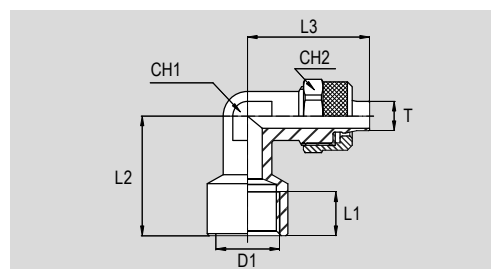


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021146	C 16 04 M5	4-2,5	M5x0,8	5	15,5	20	9	7	-
021131	C 16 04 18	4-2,5	R1/8"	7,5	17,5	20	9	7	-
021133	C 16 05 18	5-3	R1/8"	7,5	17,5	22	9	12	-
021148	C 16 06 12x1,25	6-4	M12x1,25	13	21	22	9	12	-
021149	C 16 06 12x1,5	6-4	M12x1,5	13	21	22	9	12	-
021134	C 16 06 18	6-4	R1/8"	7,5	17,5	22	9	12	-
021135	C 16 06 14	6-4	R1/4"	11	21	22	9	12	-
021136	C 16 06 38	6-4	R3/8"	11,5	24,5	24	12	12	-
021137	C 16 08 18	8-6	R1/8"	7,5	20,5	24,5	12	14	-
021138	C 16 08 14	8-6	R1/4"	11	24	24,5	12	14	-
021139	C 16 08 38	8-6	R3/8"	11,5	24,5	24,5	12	14	-
021140	C 16 10 18	10-8	R1/8"	7,5	21	27	12	16	-
021141	C 16 10 14	10-8	R1/4"	11	24	27	12	16	-
021142	C 16 10 38	10-8	R3/8"	11,5	24,5	27	12	16	-
021143	C 16 12 38	12-10	R3/8"	11,5	26,5	30,5	14	19	-
021144	C 16 12 12	12-10	R1/2"	14	30	34	17	19	-
021145	C 16 15 12	15-12,5	R1/2"	14	30	35	17	22	-

Main features

Type	Description
C17	Female BSP elbow. In nickel-plated brass.

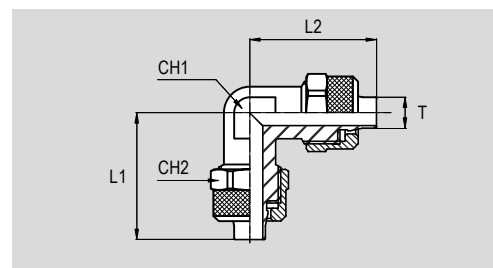


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021161	C 17 05 18	5-3	G1/8"	7,5	21	22	9	12	-
021162	C 17 06 18	6-4	G1/8"	7,5	21	22	9	12	-
021163	C 17 06 14	6-4	G1/4"	11	24,5	24	14	12	-
021164	C 17 08 18	8-6	G1/8"	7,5	24	24,5	12	14	-
021165	C 17 08 14	8-6	G1/4"	11	24,5	25	12	14	-
021166	C 17 10 14	10-8	G1/4"	11	24,5	27	12	16	-
021167	C 17 12 38	12-10	G3/8"	11,5	30	34	17	19	-

Main features

Type	Description
C18	Equal elbow. In nickel-plated brass.

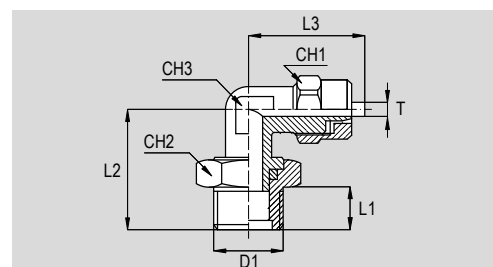


Dimensions

Code	Item	T (ØTube)	L1	L2	CH1	CH2	Weight (g)
021182	C 18 05 05	5-3	22	22	9	12	-
021183	C 18 06 06	6-4	22	22	9	12	-
021184	C 18 08 08	8-6	24,5	24,5	12	14	-
021185	C 18 10 10	10-8	27	27	12	16	-
021186	C 18 12 12	12-10	30,5	30,5	14	19	-
021187	C 18 15 15	15-12,5	35	35	17	22	-

Main features

Type	Description
C40	BSP swivel elbow. In nickel-plated brass.

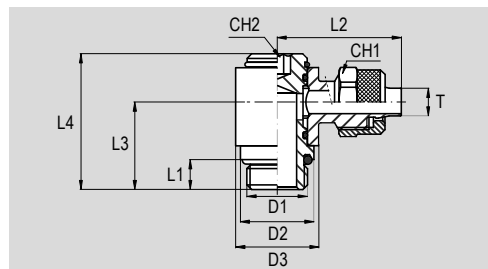


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	CH3	Weight (g)
021176	C 40 06 M5	6-4	M5x0,8	5	22	22,5	12	8	8	-
021171	C 40 06 18	6-4	G1/8"	6	22,5	22,5	12	14	8	-
021172	C 40 06 14	6-4	G1/4"	8	25	23,5	12	17	10	-
021173	C 40 08 18	8-6	G1/8"	6	22,5	23,5	14	14	10	-
021174	C 40 08 14	8-6	G1/4"	8	25	23,5	14	17	10	-
021175	C 40 10 14	10-8	G1/4"	8	25,5	25,5	16	17	11	-

Main features

Type	Description
C30	Single banjo elbow with hexagonal wrench. In nickel-plated brass.

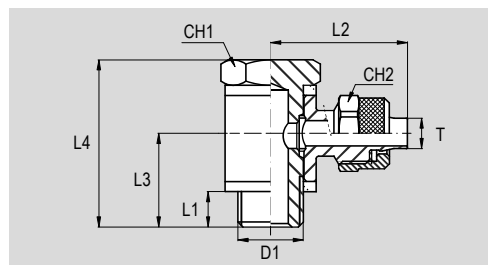


Dimensions

Code	Item	T (ØTube)	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	Weight (g)
021441	C 30 06 18	6-4	G1/8"	13	14	5	25	16,5	25,5	12	4	28,2
021442	C 30 06 14	6-4	G1/4"	16	18	6,5	26,5	18,5	29	12	5	41,9
021443	C 30 08 18	8-6	G1/8"	13	14	5	25	16,5	25,5	14	4	28,7
021444	C 30 08 14	8-6	G1/4"	16	18	6,5	27,5	18,5	29	14	5	44,1
021445	C 30 10 14	10-8	G1/4"	16	18	6,5	28,5	18,5	29	16	5	46,7
021446	C 30 10 38	10-8	G3/8"	20	22	7	30,5	22	32,5	16	6	68,7

Main features

Type	Description
C34	Single banjo elbow. In nickel-plated brass.

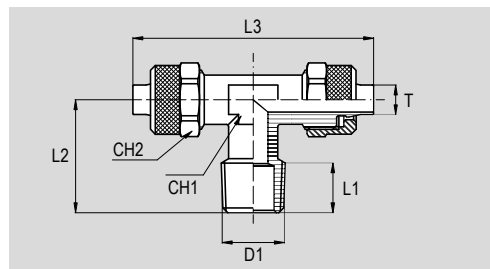


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	L4	CH1	CH2	Weight (g)
021501	C 34 04 M5	4-2,5	M5x0,8	4,1	19	9,8	18,5	8	7	10,4
021502	C 34 04 18	4-2,5	G1/8"	4,4	21,5	15,2	27	14	7	27,5
021503	C 34 05 M5	5-3	M5x0,8	4,1	20	9,8	18,5	8	8	10
021504	C 34 05 18	5-3	G1/8"	4,4	23	15,2	27	14	8	27
021505	C 34 06 M5	6-4	M5x0,8	4,1	20	9,8	18,5	8	9	10,8
021506	C 34 06 18	6-4	G1/8"	4,4	25	15,2	27	14	12	32,5
021507	C 34 06 14	6-4	G1/4"	5,9	26,5	17,2	31,5	17	12	52,4
021508	C 34 08 18	8-6	G1/8"	4,4	25	15,2	27	14	14	33,6
021509	C 34 08 14	8-6	G1/4"	5,9	27,5	17,2	31,5	17	14	54,6
021510	C 34 08 38	8-6	G3/8"	6,4	29,5	20,7	36	20	14	83,4
021511	C 34 10 14	10-8	G1/4"	5,9	28,5	17,2	31,5	17	16	56,7
021512	C 34 10 38	10-8	G3/8"	6,4	30,5	20,7	36	20	16	86,2

Main features

Type	Description
C20	BSPT tee. In nickel-plated brass.

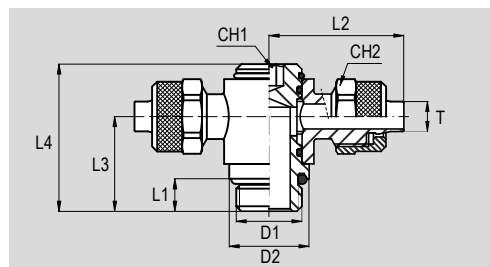


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021222	C 20 05 18	5-3	R1/8"	7,5	17,5	44	9	12	-
021223	C 20 06 18	6-4	R1/8"	7,5	17,5	44	9	12	-
021224	C 20 06 14	6-4	R1/4"	11	21	44	9	12	-
021225	C 20 08 18	8-6	R1/8"	7,5	20,5	49	12	14	-
021226	C 20 08 14	8-6	R1/4"	11	24	49	12	14	-
021227	C 20 10 14	10-8	R1/4"	11	24	54	12	16	-
021228	C 20 10 38	10-8	R3/8"	11,5	24,5	54	12	16	-
021229	C 20 12 38	12-10	R3/8"	11,5	26,5	61	14	19	-
021230	C 20 12 12	12-10	R1/2"	14	30	68	17	19	-
021231	C 20 15 12	15-12,5	R1/2"	14	30	70	17	22	-

Main features

Type	Description
C31	BSP swivel tee with hexagonal wrench. In nickel-plated brass.

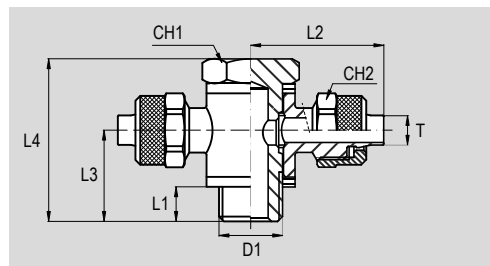


Dimensions

Code	Item	T (ØTube)	D1	D2	L1	L2	L3	L4	CH1	CH2	Weight (g)
021461	C 31 06 18	6-4	G1/8"	13	5	25	16,5	25,5	4	12	39,2
021462	C 31 06 14	6-4	G1/4"	16	6,5	26,5	18,5	25	5	12	52,9
021463	C 31 08 18	8-6	G1/8"	14	5	25	16,5	25,5	4	14	41,2
021464	C 31 08 14	8-6	G1/4"	16	6,5	27,5	18,5	29	5	14	56
021465	C 31 10 14	10-8	G1/4"	16	6,5	28,5	18,5	29	5	16	64

Main features

Type	Description
C36	Single banjo tee. In nickel-plated brass.

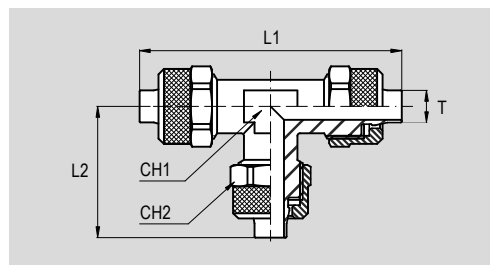


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	L4	CH1	CH2	Weight (g)
021546	C 36 05 M5	5-3	M5x0,8	4,1	20	9,8	18,5	8	8	14,3
021547	C 36 05 18	5-3	G1/8"	4,4	23	15,2	27	14	8	44,5
021548	C 36 06 M5	6-4	M5x0,8	4,1	20	9,8	18,5	8	9	15,3
021549	C 36 06 18	6-4	G1/8"	4,4	25	15,2	27	14	12	44,1
021550	C 36 06 14	6-4	G1/4"	5,9	26,5	17,2	31,5	17	12	63,2
021551	C 36 08 18	8-6	G1/8"	4,4	25	15,2	27	14	14	46,3
021552	C 36 08 14	8-6	G1/4"	5,9	27,5	17,2	31,5	17	14	66,5
021554	C 36 10 14	10-8	G1/4"	5,9	28,5	17,2	31,5	17	16	72,4

Main features

Type	Description
C19	Equal tee. In nickel-plated brass.

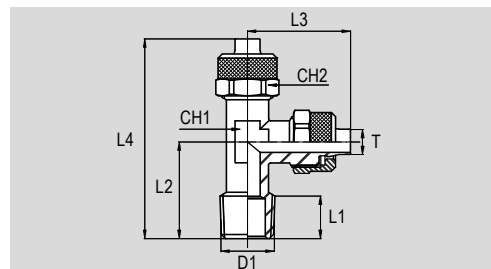


Dimensions

Code	Item	T (ØTube)	L1	L2	CH1	CH2	Weight (g)
021202	C 19 05 05	5-3	44	22	9	12	-
021203	C 19 06 06	6-4	44	22	9	12	-
021204	C 19 08 08	8-6	49	24,5	12	14	-
021205	C 19 10 10	10-8	54	27	12	16	-
021206	C 19 12 12	12-10	61	30,5	14	19	-
021207	C 19 15 15	15-12,5	70	35	17	22	-

Main features

Type	Description
C21	BSPT side tee. In nickel-plated brass.

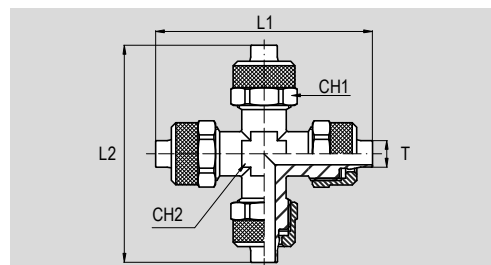


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	L4	CH1	CH2	Weight (g)
021252	C 21 05 18	5-3	R1/8"	7,5	17,5	22	39,5	9	12	-
021253	C 21 06 18	6-4	R1/8"	7,5	17,5	22	39,5	9	12	-
021254	C 21 06 14	6-4	R1/4"	11	21	22	43	9	12	-
021255	C 21 08 18	8-6	R1/8"	7,5	20,5	24,5	43	12	14	-
021256	C 21 08 14	8-6	R1/4"	11	24	24,5	48,5	12	14	-
021257	C 21 10 14	10-8	R1/4"	11	24	27	51	12	16	-
021258	C 21 10 38	10-8	R3/8"	11,5	24,5	27	51,5	12	16	-
021259	C 21 12 38	12-10	R3/8"	11,5	26,5	30,5	57	14	16	-
021260	C 21 12 12	12-10	R1/2"	14	30	34	64	17	19	-
021261	C 21 15 12	15-12,5	R1/2"	14	30	35	65	17	22	-

Main features

Type	Description
C22	Equal +. In nickel-plated brass.

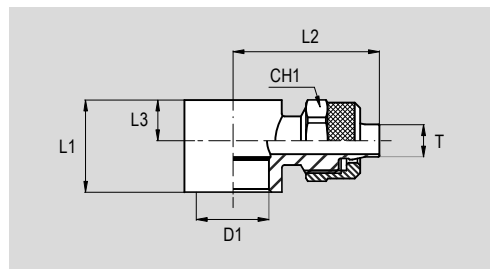


Dimensions

Code	Item	T (ØTube)	L1	L2	CH1	CH2	Weight (g)
021281	C 22 05 05	5-3	44	44	12	10	-
021282	C 22 06 06	6-4	44	44	12	10	-
021283	C 22 08 08	8-6	49	49	14	10	-
021284	C 22 10 10	10-8	54	54	16	12	-
021285	C 22 12 12	12-10	61	61	19	14	-
021286	C 22 15 15	15-12,5	70	70	22	17	-

Main features

Type	Description
C23	Single banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15 ((for size M5 with coding M5R only). Compatible with accessories with integrated function types V45, V46 and V47.

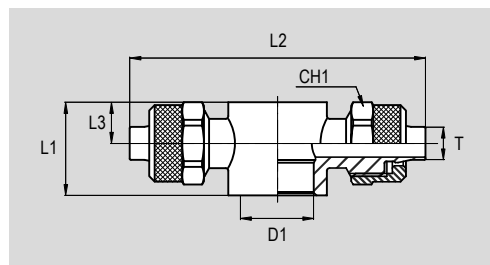


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	Weight (g)
021317	C 23 04 M5	4-2,5	5,1	M5	9	19	4,5	7,6
021319	C 23 04 M5R	4-2,5	7	-	10	19	3,5	5,5
021318	C 23 04 18	4-2,5	10	1/8"	15	21,5	6	12,7
021301	C 23 05 M5	5-3	5,1	M5	9	20	4,5	7,3
021302	C 23 05 M5R	5-3	7	-	10	20	3,5	6,5
021303	C 23 05 18	5-3	10	1/8"	15	23	6	20,5
021304	C 23 06 M5	6-4	5,1	M5	9	20	4,5	7,9
021305	C 23 06 M5R	6-4	7	-	10	20	3,5	6,8
021306	C 23 06 18	6-4	10	1/8"	15	25	6	19,2
021307	C 23 06 14	6-4	13,2	1/4"	17	26,5	7,5	25,6
021308	C 23 08 18	8-6	10	1/8"	15	25	6	19,5
021309	C 23 08 14	8-6	13,2	1/4"	17	27,5	7,5	27,4
021310	C 23 08 38	8-6	17	3/8"	20	29,5	7,5	39
021311	C 23 10 14	10-8	13,2	1/4"	17	28,5	7,5	29,2
021312	C 23 10 38	10-8	17	3/8"	20	30,5	7,5	41,5

Main features

Type	Description
C24	Double banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15. Compatible with accessories with integrated function types V45, V46 and V47.

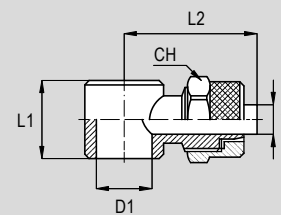


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	Weight (g)
021331	C 24 05 M5	5-3	5,1	M5	9	40	4,5	12
021332	C 24 05 18	5-3	10	1/8"	15	50	6	30,6
021333	C 24 06 M5	6-4	5,1	M5	9	40	4,5	12,7
021334	C 24 06 18	6-4	10	1/8"	15	50	6	30,1
021335	C 24 06 14	6-4	13,2	1/4"	17	53	7,5	35,5
021336	C 24 08 18	8-6	10	1/8"	15	50	6	31,9
021337	C 24 08 14	8-6	13,2	1/4"	17	55	7,5	38,9
021339	C 24 10 14	10-8	13,2	1/4"	17	57	7,5	44,5

Main features

Type	Description
C37	Reduced single banjo. In nickel-plated brass. Compatible with hollow bolt types C25 and C26.

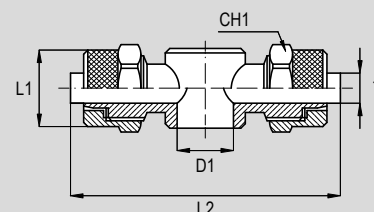


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH	Weight (g)
021321	C 37 05 M5	5-3	5,1	9	17	8	-
021322	C 37 05 18	5-3	9,8	14,5	22,5	8	-
021323	C 37 06 M5	6-4	5,1	9	18	9	-
021324	C 37 06 18	6-4	9,8	14,5	24	12	-
021325	C 37 06 14	6-4	13,2	14,5	26	12	-
021326	C 37 08 18	8-6	9,8	14,5	24	14	-
021327	C 37 08 14	8-6	13,2	14,5	26	14	-
021328	C 37 10 14	10-8	13,2	14,5	27,5	16	-

Main features

Type	Description
C38	Reduced double banjo. In nickel-plated brass. Compatible with hollow bolt types C25 and C26.

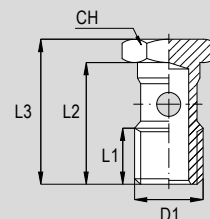


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	Weight (g)
021351	C 38 05 18	5-3	9,8	14,5	45	8	-
021352	C 38 06 18	6-4	9,8	14,5	48	12	-
021353	C 38 06 14	6-4	13,2	14,5	52	12	-
021354	C 38 08 18	8-6	9,8	14,5	48	14	-
021355	C 38 08 14	8-6	13,2	14,5	53	14	-
021356	C 38 10 14	10-8	13,2	14,5	55	16	-

Main features

Type	Description
C25	Reduced hollow bolt. In nickel-plated brass. Compatible with reduced banjo types C37 and C38.

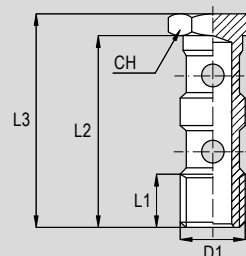


Dimensions

Code	Item	D1	L1	L2	L3	CH	Weight (g)
020681	C 25 00 M5	M5x0,8	4	14,5	18	8	-
020682	C 25 00 18	1/8"	8	23	27	14	-
020683	C 25 00 14	1/4"	11	25	29,5	17	-

Main features

Type	Description
C26	Reduced double hollow bolt. In nickel-plated brass. Compatible with reduced banjo types C37 and C38.

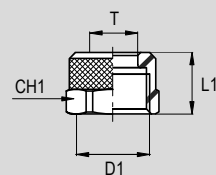


Dimensions

Code	Item	D1	L1	L2	L3	CH	Weight (g)
020696	C 26 00 18	1/8"	8	39	43	14	-
020697	C 26 00 14	1/4"	11	41	45,5	17	-

Main features

Type	Description
C27	Nut. In nickel-plated brass.

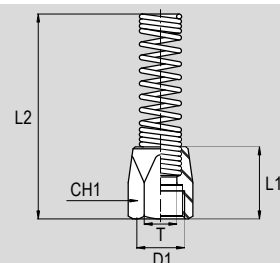


Dimensions

Code	Item	T (ØTube)	D1	L1	CH1	Weight (g)
021409	C 27 04 07	4,10	M6x0,75	8	7	-
021401	C 27 05 08	5,10	M7x0,75	9	8	-
021402	C 27 06 08	6,10	M8x0,75	9	9	-
021404	C 27 06 10	6,10	M10x1	10	12	-
021405	C 27 08 12	8,15	M12x1	10	14	-
021406	C 27 10 14	10,25	M14x1	11	16	-
021407	C 27 12 16	12,30	M16x1	12	19	-
021408	C 27 15 20	15,30	M20x1	13	22	-

Main features

Type	Description
C32	Nut with spring. In nickel-plated brass.



Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	Weight (g)
021481	C 32 06 04	6-4	M10x1	17	87	12	-
021482	C 32 08 06	8-6	M12x1	18	98	14	-
021483	C 32 10 08	10-8	M14x1	21	110	16	-

COMPRESSION

fittings



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Compression fittings in nickel-plated brass. Available in many versions, threads and tube diameters. Supplied as standard in compliance to Reach and RoHS directives.



8434



2353



Series O

from page 4.25.10



Series of compression fittings for brass tubes. The ogive crushing onto the tube, by screwing down the external nut, allows to get a safe connection even at high pressures. The ogive is single cone.

The fitting seats, the ogives and the nuts are conforming to DIN 3870-3861 standards. The series of compression fittings is also suitable for connecting "soft" tubes (Rilsan, Polyurethane, Nylon etc.), by applying a tube insert inside the tube. Available in different configurations, with taper BSPT threads and BSP threads, in various sizes.

Compression fittings

Series O



Code key

Series	Type*	Ø Tube*	Thread (or Ø Tube 2)*
O	11	06	18

O

11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
21, 22, 23, 25, 26, 27

04 = Ø 4 mm

06 = Ø 6 mm

08 = Ø 8 mm

10 = Ø 10 mm

12 = Ø 12 mm

15 = Ø 15 mm

M5 = M5x0,8

18 = 1/8"

14 = 1/4"

38 = 3/8"

12 = 1/2"

How to order

Series	Type	Ø Tube	Thread
O	11	06	18

Notes

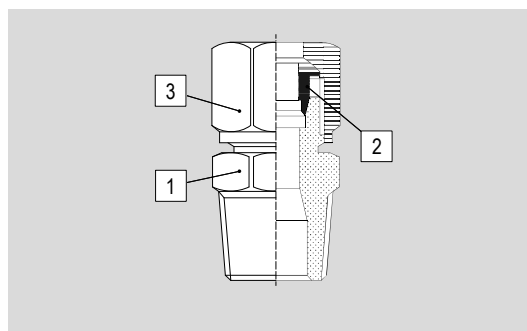
For standard materials see the table below.

* For matching between fitting type, tube diameter and thread, see page 4.25.11; for the specific type, see the following pages.

Technical data

Version	Series O
Fluid	Compressed air
Maximum pressure	According to the used tube. Maximum 60 bar.
Temperature range	According to the used tube.
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI EN 10226-1 (BSPT)
Metric threads	UNI EN ISO 965-1
Tubes	Metal Calibrated Nylon (PA6), PU and Rilsan (PA11) (with tube insert)

Standard materials



Position	Description	Material
1	Body	Nickel-plated brass
2	Ogive	Brass
3	Nut	Nickel-plated brass

Fittings series O

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	For tube Ø mm	Stem Ø mm	Data sheet and code page
O11	BSPT stud		1/8", 1/4", 3/8", 1/2"	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.12
O12	BSP stud		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	4, 5, 6, 8, 10, 12, 15	-	4.25.12
O13	Female BSP stud		-	1/8", 1/4", 3/8"	-	4, 5, 6, 8, 10	-	4.25.13
O14	Union		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.13
O15	Bulkhead		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.14
O26	Reducer		-	-	-	6, 8	8, 10, 12	4.25.14
O16	BSPT elbow		1/8", 1/4", 3/8", 1/2"	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.15
O17	Equal elbow		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.15
O27	Female BSP elbow		-	1/8", 1/4"	-	4, 6, 8	-	4.25.16
O18	Equal tee		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.16
O19	BSPT tee		1/8", 1/4", 3/8", 1/2"	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.17
O20	BSPT side tee		1/8", 1/4", 3/8", 1/2"	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.17
O25	Single banjo		-	-	-	6, 8	-	4.25.18
O21	Nut		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.18
O22	Ogive		-	-	-	4, 5, 6, 8, 10, 12, 15	-	4.25.19
O23	Tube insert		-	-	-	4, 6, 8, 10, 12, 15	-	4.25.19

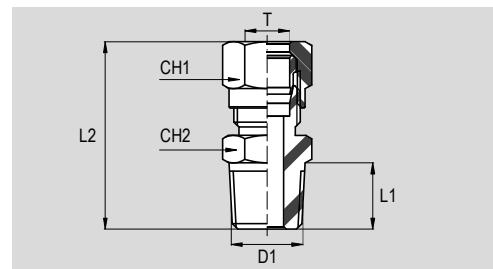
Thread/Tube matching

External Tube Ø	Thread								
	M5x0,8	G1/8"	G1/4"	G3/8"	G1/2"	R1/8"	R1/4"	R3/8"	R1/2"
Ø 4 mm	●	●	-	-	-	●	-	-	-
Ø 6 mm	-	●	●	-	-	●	●	-	-
Ø 8 mm	-	●	●	-	-	●	●	●	-
Ø 10 mm	-	-	●	●	-	-	●	●	-
Ø 12 mm	-	-	-	●	●	-	-	●	●
Ø 15 mm	-	-	-	-	●	-	-	-	●

Key
● available matching; - not available matching

Main features

Type	Description
O11	BSPT stud. In nickel-plated brass.

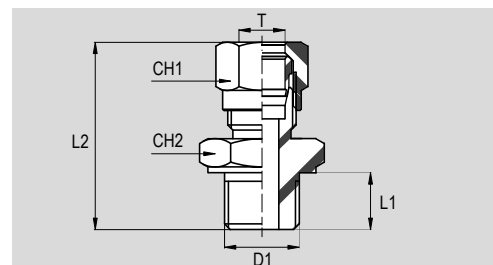


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021701	O 11 04 18	4	R1/8"	8	27	10	10	-
021703	O 11 06 18	6	R1/8"	8	28	12	12	-
021704	O 11 06 14	6	R1/4"	11	33	12	14	-
021705	O 11 08 18	8	R1/8"	8	30	14	12	-
021706	O 11 08 14	8	R1/4"	11	33	14	14	-
021712	O 11 08 38	8	R3/8"	12	33	14	17	-
021707	O 11 10 14	10	R1/4"	11	37,5	19	17	-
021708	O 11 10 38	10	R3/8"	11,5	38	19	17	-
021709	O 11 12 38	12	R3/8"	11,5	39	22	19	-
021710	O 11 12 12	12	R1/2"	14	41	22	22	-
021711	O 11 15 12	15	R1/2"	14	44,5	27	22	-

Main features

Type	Description
O12	BSP stud. In nickel-plated brass. For sealing washers see from page 4.65.1



Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021742	O 12 04 M5	4	M5x0,8	5	26	10	9	-
021731	O 12 04 18	4	G1/8"	6	25	10	14	-
021733	O 12 06 18	6	G1/8"	6	26	12	14	-
021734	O 12 06 14	6	G1/4"	8	29,5	12	17	-
021735	O 12 08 18	8	G1/8"	6	26,5	14	14	-
021736	O 12 08 14	8	G1/4"	8	30	14	17	-
021737	O 12 10 14	10	G1/4"	8	34,5	19	17	-
021738	O 12 10 38	10	G3/8"	9	36	19	19	-
021739	O 12 12 38	12	G3/8"	10	39	22	22	-
021740	O 12 12 12	12	G1/2"	12	42	22	27	-
021741	O 12 15 12	15	G1/2"	12	43	27	27	-

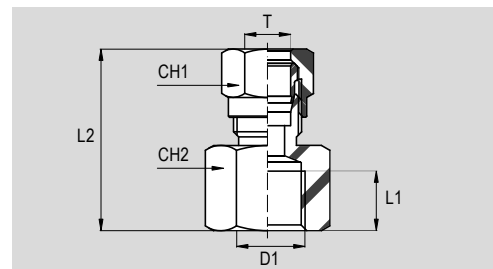
Compression fittings

Series O



Main features

Type	Description
O13	Female BSP stud. In nickel-plated brass.

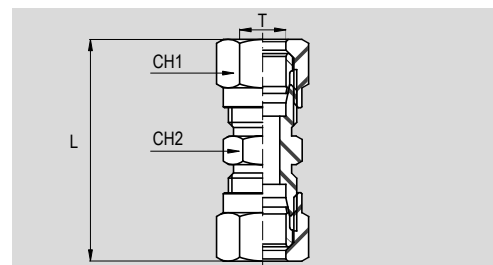


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
021761	O 13 04 18	4	G1/8"	10	29	10	14	-
021763	O 13 06 18	6	G1/8"	10	29	12	14	-
021764	O 13 06 14	6	G1/4"	12	31	12	19	-
021765	O 13 08 18	8	G1/8"	10	30	14	14	-
021766	O 13 08 14	8	G1/4"	12	32	14	19	-
021767	O 13 10 14	10	G1/4"	12	36	19	19	-
021768	O 13 10 38	10	G3/8"	12	38	19	22	-

Main features

Type	Description
O14	Union. In nickel-plated brass.



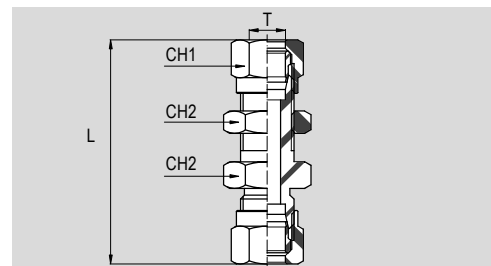
Dimensions

Code	Item	T (ØTube)	L	CH1	CH2	Weight (g)
021791	O 14 04 04	4	36	10	9	-
021793	O 14 06 06	6	36	12	11	-
021794	O 14 08 08	8	38	14	12	-
021795	O 14 10 10	10	48	19	17	-
021796	O 14 12 12	12	50	22	19	-
021797	O 14 15 15	15	53	27	24	-

Compression fittings Series O

Main features

Type	Description
O15	Bulkhead. In nickel-plated brass.

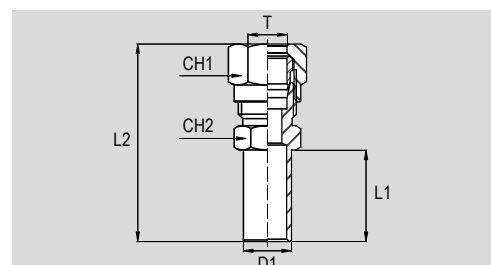


Dimensions

Code	Item	T (ØTube)	L	CH1	CH2	Weight (g)
021811	O 15 04 04	4	57	10	12	-
021813	O 15 06 06	6	60	12	14	-
021814	O 15 08 08	8	62	14	17	-
021815	O 15 10 10	10	72	19	19	-
021816	O 15 12 12	12	75	22	22	-
021817	O 15 15 15	15	79	27	27	-

Main features

Type	Description
O26	Reducer. In nickel-plated brass.

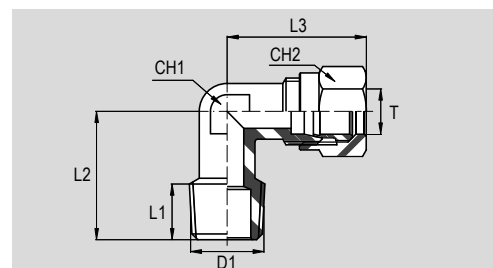


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	CH1	CH2	Weight (g)
022061	O 26 06 08	6	8	18	38	12	12	-
022062	O 26 06 10	6	10	19	39	12	12	-
022063	O 26 08 10	8	10	19	41	14	12	-
022064	O 26 08 12	8	12	19	41	14	14	-

Main features

Type	Description
O16	BSPT elbow. In nickel-plated brass.

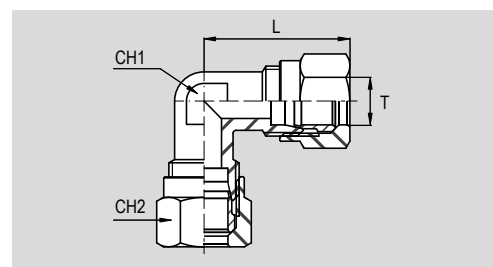


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021831	O 16 04 18	4	R1/8"	8	17	22	7	10	-
021833	O 16 06 18	6	R1/8"	8	17	23	9	12	-
021834	O 16 06 14	6	R1/4"	12	21	23	9	12	-
021835	O 16 08 18	8	R1/8"	8	20	25	12	14	-
021836	O 16 08 14	8	R1/4"	12	23	25	12	14	-
021837	O 16 10 14	10	R1/4"	12	25	33	14	19	-
021838	O 16 10 38	10	R3/8"	12	27	33	14	19	-
021839	O 16 12 38	12	R3/8"	12	28	35	17	22	-
021840	O 16 12 12	12	R1/2"	14	30	35	17	22	-
021841	O 16 15 12	15	R1/2"	14	31	39	19	27	-

Main features

Type	Description
O17	Equal elbow. In nickel-plated brass.



Dimensions

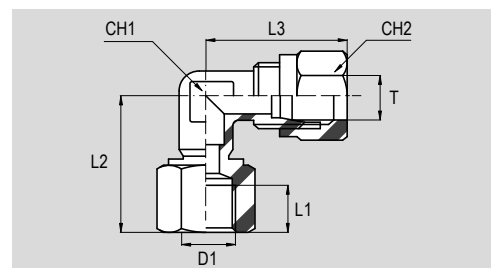
Code	Item	T (ØTube)	L	CH1	CH2	Weight (g)
021861	O 17 04 04	4	22	7	10	-
021863	O 17 06 06	6	23	9	12	-
021864	O 17 08 08	8	25	12	14	-
021865	O 17 10 10	10	33	14	19	-
021866	O 17 12 12	12	35	17	22	-
021867	O 17 15 15	15	39	19	27	-

Compression fittings

Series O

Main features

Type	Description
O27	Female BSP elbow. In nickel-plated brass.

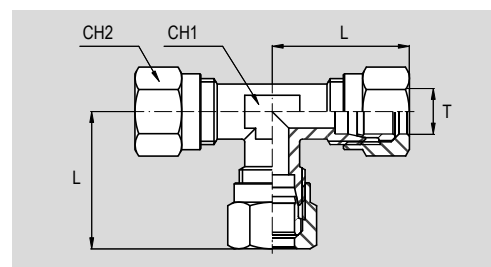


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
022071	O 27 04 18	4	G1/8"	8	20	22	9	10	-
022072	O 27 06 18	6	G1/8"	8	20	24,5	9	12	-
022073	O 27 06 14	6	G1/4"	11	25,5	27	13	12	-
022074	O 27 08 18	8	G1/8"	8	20	24	11	14	-
022075	O 27 08 14	8	G1/4"	11	25,5	27,5	13	14	-

Main features

Type	Description
O18	Equal tee. In nickel-plated brass.

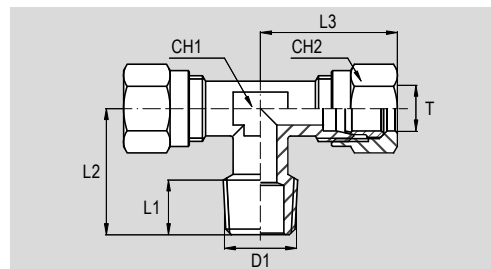


Dimensions

Code	Item	T (ØTube)	L	CH1	CH2	Weight (g)
021881	O 18 04 04	4	22	7	10	-
021883	O 18 06 06	6	23	9	12	-
021884	O 18 08 08	8	25	12	14	-
021885	O 18 10 10	10	33	14	19	-
021886	O 18 12 12	12	35	17	22	-
021887	O 18 15 15	15	39	19	27	-

Main features

Type	Description
O19	BSPT tee. In nickel-plated brass.

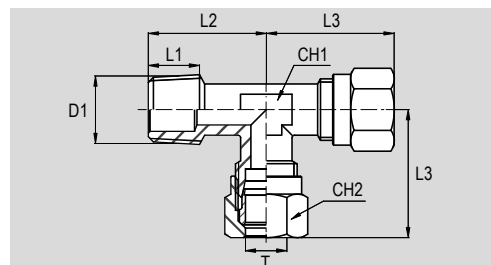


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021911	O 19 04 18	4	R1/8"	8	17	22	7	10	-
021913	O 19 06 18	6	R1/8"	8	17	23	9	12	-
021914	O 19 06 14	6	R1/4"	12	21	23	9	12	-
021915	O 19 08 18	8	R1/8"	8	20	25	12	14	-
021916	O 19 08 14	8	R1/4"	12	23	25	12	14	-
021917	O 19 10 14	10	R1/4"	12	25	33	14	19	-
021918	O 19 10 38	10	R3/8"	12	27	33	14	19	-
021919	O 19 12 38	12	R3/8"	12	28	35	17	22	-
021920	O 19 12 12	12	R1/2"	14	30	35	17	22	-
021921	O 19 15 12	15	R1/2"	14	31	39	19	27	-

Main features

Type	Description
O20	BSPT side tee. In nickel-plated brass.

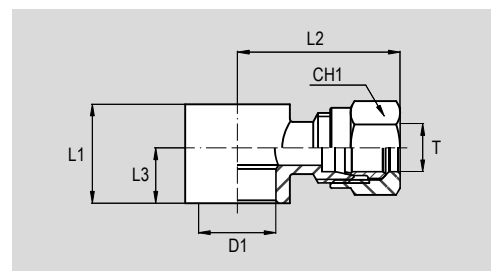


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	CH2	Weight (g)
021941	O 20 04 18	4	R1/8"	8	17	22	7	10	-
021943	O 20 06 18	6	R1/8"	8	17	23	9	12	-
021944	O 20 06 14	6	R1/4"	12	21	23	9	12	-
021945	O 20 08 18	8	R1/8"	8	20	25	12	14	-
021946	O 20 08 14	8	R1/4"	12	23	25	12	14	-
021947	O 20 10 14	10	R1/4"	12	25	33	14	19	-
021948	O 20 10 38	10	R3/8"	12	27	33	14	19	-
021949	O 20 12 38	12	R3/8"	12	28	35	17	22	-
021950	O 20 12 12	12	R1/2"	14	30	35	17	22	-
021951	O 20 15 12	15	R1/2"	14	31	39	19	27	-

Main features

Type	Description
O25	Single banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators types V14 and V15. Compatible with accessories with integrated function types V45, V46 and V47.

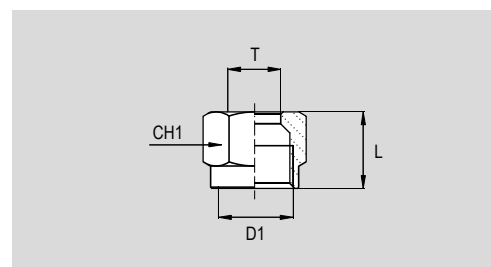


Dimensions

Code	Item	T (ØTube)	D1	L1	L2	L3	CH1	Weight (g)
022056	O 25 06 18	6	10	15	26	9	12	19
022057	O 25 06 14	6	13,2	17	28	9,5	12	26
022058	O 25 08 18	8	10	15	27	8,5	14	21
022059	O 25 08 14	8	13,2	17	29	9,5	14	28

Main features

Type	Description
O21	Nut. In nickel-plated brass.

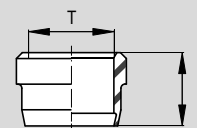


Dimensions

Code	Item	T (ØTube)	D1	L	CH1	Weight (g)
021971	O 21 04 08	4	8x1	11	10	-
021973	O 21 06 10	6	10x1	11,5	12	-
021974	O 21 08 12	8	12x1	12	14	-
021975	O 21 10 16	10	16x1,5	15,5	19	-
021976	O 21 12 18	12	18x1,5	15,5	22	-
021977	O 21 15 22	15	22x1,5	17	27	-

Main features

Type	Description
O22	Ogive. In brass.

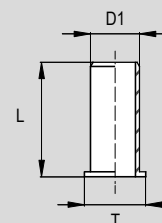


Dimensions

Code	Item	T (ØTube)	L	Weight (g)
021991	O 22 04 65	4	6,5	-
021993	O 22 06 75	6	7,5	-
021994	O 22 08 75	8	7,5	-
021995	O 22 10 95	10	9,5	-
021996	O 22 12 95	12	9,5	-
021997	O 22 15 10	15	10	-

Main features

Type	Description
O23	Tube insert. In brass. Required if using tubes in Nylon (PA6), Polyurethane or Rilsan (PA11). For tubes see from page 4.65.1



Dimensions

Code	Item	T (External Øtube)	D1	L	Weight (g)
022016	O 23 04 10	4	2,5	10	-
022011	O 23 06 12	6	4	12	-
022012	O 23 08 14	8	6	14	-
022013	O 23 10 16	10	8	16	-
022014	O 23 12 18	12	10	18	-
022015	O 23 15 20	15	12	20	-

STANDARD

fittings



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Standard fittings in nickel-plated brass. Available in many versions and threads.
Supplied as standard in compliance to Reach and RoHS directives.



Series A

from page 4.35.10



Series of standard fittings available in many configurations, to adapt the connections of every installation. Available with taper BSPT threads and BSP threads, in various sizes.

Standard fittings

Series A



Code key

Series	Type*	Thread 1*	Thread 2*
A	002	12	14

A

001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 021, 022, 023, 024, 025, 026, 027, 035, 036, 039, 040, 041, 042, 044, 045, 046, 047

M5 = M5x0,8

18 = 1/8"

14 = 1/4"

38 = 3/8"

12 = 1/2"

34 = 3/4"

01 = 1"

Notes

For standard materials see the table below.

For special versions (**/S**), contact the sales department.

* For matching between fitting types and thread, see from page 4.35.12; for the specific type, see the following pages.

How to order

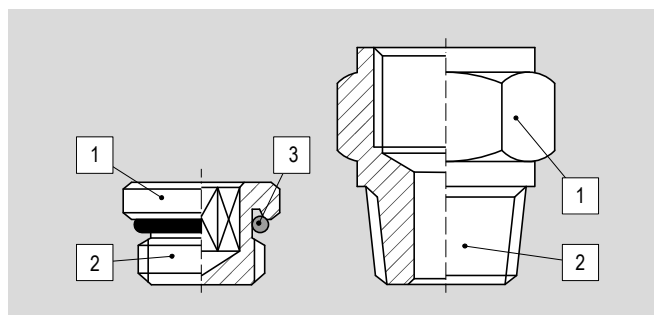
Series	Type	Thread 1	Thread 2
A	002	12	14

Technical data

Version	Series A
Fluid	Compressed air
Maximum pressure	60 bar
Temperature range*	-40°C ÷ +150°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Taper threads	UNI EN 10226-1 (BSPT)
Metric threads	UNI EN ISO 965-1

* For fittings with NBR seal is -20°C ÷ +80°C

Standard materials



Position	Description	Material
1	Body	Nickel-plated brass
2	Thread	Nickel-plated brass
3	Seal*	NBR

*Where present

Fittings series A

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	Stem Ø mm	Data sheet and code page
A001	M/F BSP reducer		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.13
A002	M/F BSPT reducer		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.13
A003	M/F BSP increaser		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.14
A004	M/F BSPT increaser		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.14
A039	M/F BSP extension		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.35.15
A007	Female socket		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.15
A005	BSP nipple		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.16
A006	BSPT nipple		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.16
A047	BSPT nipple union		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.17
A015	BSP hose adapter		-	1/8", 1/4", 3/8", 1/2"	-	7, 8, 9, 12, 17	4.35.17
A044	Female bulkhead		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4.35.18
A013	Nut		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.35.18
A008	Male BSP plug		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.19
A016	Male BSPT plug		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.19
A009	Male BSP plug with O-ring		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4.35.20
A010	Female plug		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.20
A011	BSP olive		-	1/8", 1/4", 3/8", 1/2"	-	-	4.35.21
A012	BSPT olive		1/8", 1/4", 3/8", 1/2"	-	-	-	4.35.21
A014	M/F BSP reducing insert		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.22
A021	F/F elbow		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.22
A022	M/F elbow		1/8", 1/4", 3/8", 1/2", 3/4", 1"	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.23
A035	M/M elbow		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	M5x0,8	-	4.35.23
A023	F/F/F tee		-	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.24

Fittings series A

Type			Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	Stem Ø mm	Data sheet and code page
A024	F/M/F tee		1/8", 1/4", 3/8", 1/2", 3/4", 1"	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.24
A025	M/F/F tee		1/8", 1/4", 3/8", 1/2", 3/4", 1"	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.35.25
A027	M/M/F tee		1/8", 1/4", 3/8", 1/2", 3/4"	1/8", 1/4", 3/8", 1/2", 3/4"	-	-	4.35.25
A036	M/M/M tee		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	-	4.35.26
A045	M/F/M tee		1/8", 1/4", 3/8", 1/2", 3/4", 1"	1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.35.26
A040	F/F/F Y		-	1/8", 1/4", 3/8", 1/2"	-	-	4.35.27
A041	F/M/F Y		1/8", 1/4", 3/8", 1/2"	1/8", 1/4", 3/8", 1/2"	-	-	4.35.27
A026	F/F/F/F +		-	1/8", 1/4", 3/8", 1/2"	-	-	4.35.28
A046	F/M/F/F +		1/8", 1/4", 3/8", 1/2"	1/8", 1/4", 3/8", 1/2"	-	-	4.35.28
A042	Female single banjo		-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4.35.29

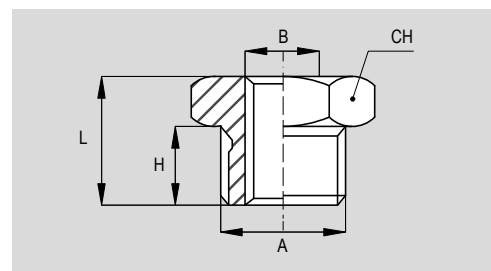
Standard fittings

Series A



Main features

Type	Description
A001	M/F BSP reducer. In nickel-plated brass. For sealing washers see page 4.65.1

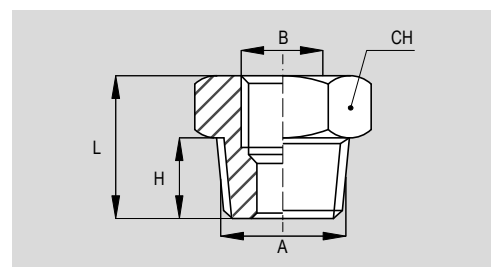


Dimensions

Code	Item	A	B	H	L	CH	Weight (g)
022301	A001 18 05	G1/8"	M5x0,8	6	10	14	-
022302	A001 14 18	G1/4"	G1/8"	8	13	17	-
022303	A001 38 18	G3/8"	G1/8"	9	14	19	-
022304	A001 38 14	G3/8"	G1/4"	9	14	19	-
022313	A001 12 18	G1/2"	G1/8"	9	15	24	-
022305	A001 12 14	G1/2"	G1/4"	9	15	24	-
022306	A001 12 38	G1/2"	G3/8"	9	15	24	-
022307	A001 34 14	G3/4"	G1/4"	11	16	30	-
022308	A001 34 38	G3/4"	G3/8"	11	16	30	-
022309	A001 34 12	G3/4"	G1/2"	11	16	30	-
022310	A001 01 38	G1"	G3/8"	12	19	36	-
022311	A001 01 12	G1"	G1/2"	12	19	36	-
022312	A001 01 34	G1"	G3/4"	12	19	36	-

Main features

Type	Description
A002	M/F BSPT reducer. In nickel-plated brass.



Dimensions

Code	Item	A	B	H	L	CH	Weight (g)
022331	A002 14 18	R1/4"	G1/8"	10	15	14	-
022332	A002 38 18	R3/8"	G1/8"	10	15	17	-
022333	A002 38 14	R3/8"	G1/4"	10	15	17	-
022342	A002 12 18	R1/2"	G1/8"	13	19	22	-
022334	A002 12 14	R1/2"	G1/4"	13	19	22	-
022335	A002 12 38	R1/2"	G3/8"	13	19	22	-
022336	A002 34 14	R3/4"	G1/4"	14	20,5	27	-
022337	A002 34 38	R3/4"	G3/8"	14	20,5	27	-
022338	A002 34 12	R3/4"	G1/2"	14	20,5	27	-
022339	A002 01 38	R1"	G3/8"	16	22	34	-
022340	A002 01 12	R1"	G1/2"	16	22	34	-
022341	A002 01 34	R1"	G3/4"	16	22	34	-

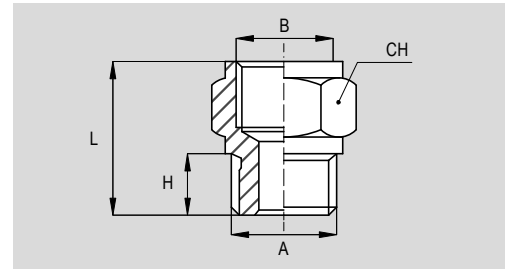
Standard fittings

Series A



Main features

Type	Description
A003	M/F BSP increaser. In nickel-plated brass. For sealing washers see page 4.65.1

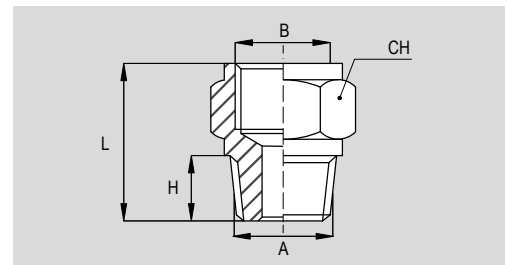


Dimensions

Code	Item	A	B	H	L	CH	Weight (g)
022361	A003 05 05	M5x0,8	M5x0,8	4	11	8	-
022362	A003 05 18	M5x0,8	G1/8"	5	16	14	-
022363	A003 18 18	G1/8"	G1/8"	6	16	14	-
022364	A003 18 14	G1/8"	G1/4"	6	19,5	17	-
022365	A003 18 38	G1/8"	G3/8"	6	20	22	-
022366	A003 14 14	G1/4"	G1/4"	8	21	17	-
022367	A003 14 38	G1/4"	G3/8"	8	21	22	-
022368	A003 14 12	G1/4"	G1/2"	8	25	27	-
022369	A003 38 38	G3/8"	G3/8"	9	23	22	-
022370	A003 38 12	G3/8"	G1/2"	9	26	27	-
022371	A003 12 12	G1/2"	G1/2"	10	26	27	-
022372	A003 38 34	G3/8"	G3/4"	9	26	32	-
022373	A003 12 34	G1/2"	G3/4"	10	27	32	-
022374	A003 34 34	G3/4"	G3/4"	11	28	32	-
022375	A003 12 01	G1/2"	G1"	10	29	38	-
022376	A003 34 01	G3/4"	G1"	11	30	38	-
022377	A003 01 01	G1"	G1"	12	31	38	-

Main features

Type	Description
A004	M/F BSPT increaser. In nickel-plated brass.



Dimensions

Code	Item	A	B	H	L	CH	Weight (g)
022391	A004 18 18	R1/8"	G1/8"	7,5	17,5	14	-
022392	A004 18 14	R1/8"	G1/4"	7,5	21	17	-
022393	A004 18 38	R1/8"	G3/8"	7,5	22	22	-
022394	A004 14 14	R1/4"	G1/4"	10	24	17	-
022395	A004 14 38	R1/4"	G3/8"	10	26	22	-
022396	A004 14 12	R1/4"	G1/2"	10	28	27	-
022397	A004 38 38	R3/8"	G3/8"	10	26	22	-
022398	A004 38 12	R3/8"	G1/2"	10	28	27	-
022399	A004 12 12	R1/2"	G1/2"	12	30	27	-
022400	A004 38 34	R3/8"	G3/4"	10	27	32	-
022401	A004 12 34	R1/2"	G3/4"	13	30	32	-
022402	A004 34 34	R3/4"	G3/4"	14	31	32	-
022403	A004 12 01	R1/2"	G1"	13	32	38	-
022404	A004 34 01	R3/4"	G1"	14	33	38	-
022405	A004 01 01	R1"	G1"	16	35	38	-

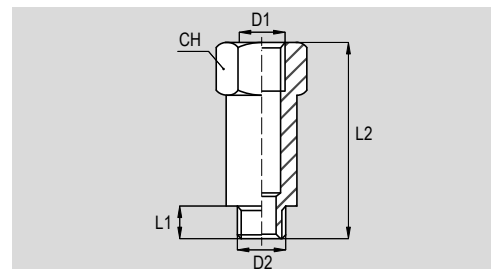
Standard fittings

Series A



Main features

Type	Description
A039	M/F BSP extension In nickel-plated brass. For sealing washers see page 4.65.1

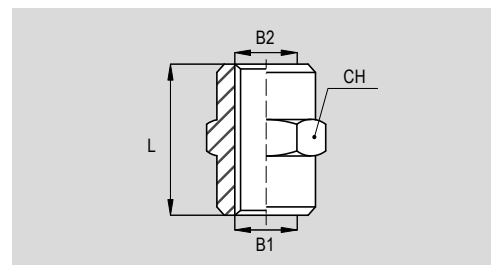


Dimensions

Code	Item	D1	D2	L1	L2	CH	Weight (g)
022821	A039 18 C23	G1/8"	G1/8"	6	23	12	-
022822	A039 18 L44	G1/8"	G1/8"	6	44	12	-
022823	A039 14 C28	G1/4"	G1/4"	8	28	16	-
022824	A039 14 L45	G1/4"	G1/4"	8	45	16	-
022825	A039 12 C36	G1/2"	G1/2"	9	36	24	-
022826	A039 14 L51	G1/4"	G1/4"	8	51	16	-
022827	A039 38 L41	G3/8"	G3/8"	9	41	22	-
022829	A039 34 L50	G3/4"	G3/4"	-	50	30	-
022830	A039 01 L50	G1"	G1"	-	50	38	-

Main features

Type	Description
A007	Female socket. In nickel-plated brass.



Dimensions

Code	Item	B1	B2	L	CH	Weight (g)
022481	A007 05 05	M5x0,8	M5x0,8	11	8	-
022482	A007 05 18	M5x0,8	G1/8"	13	14	-
022483	A007 18 18	G1/8"	G1/8"	15	14	-
022484	A007 18 14	G1/8"	G1/4"	19	17	-
022485	A007 18 38	G1/8"	G3/8"	20	22	-
022486	A007 14 14	G1/4"	G1/4"	22	17	-
022487	A007 14 38	G1/4"	G3/8"	23	22	-
022488	A007 14 12	G1/4"	G1/2"	26	17	-
022489	A007 38 38	G3/8"	G3/8"	23	22	-
022490	A007 38 12	G3/8"	G1/2"	26	27	-
022491	A007 12 12	G1/2"	G1/2"	29	27	-
022492	A007 12 34	G1/2"	G3/4"	25	32	-
022493	A007 34 34	G3/4"	G3/4"	32	32	-
022494	A007 34 01	G3/4"	G1"	34	38	-
022495	A007 01 01	G1"	G1"	34	38	-

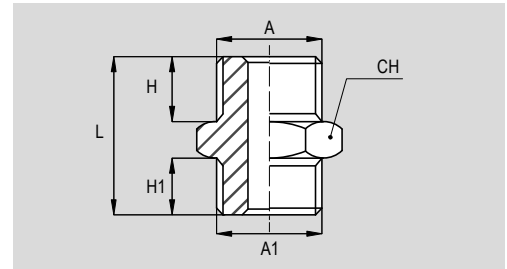
Standard fittings

Series A



Main features

Type	Description
A005	BSP nipple. In nickel-plated brass. For sealing washers see page 4.65.1

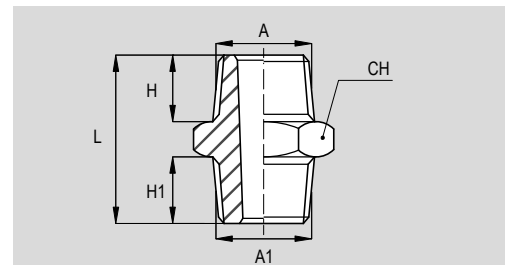


Dimensions

Code	Item	A	A1	H	H1	L	CH	Weight (g)
022421	A005 05 05	M5x0,8	M5x0,8	4	4	11	8	-
022422	A005 05 18	M5x0,8	G1/8"	4	6	14	14	-
022423	A005 18 18	G1/8"	G1/8"	6	6	16,5	14	-
022424	A005 18 14	G1/8"	G1/4"	6	8	19	17	-
022425	A005 18 38	G1/8"	G3/8"	6,5	9	20	19	-
022426	A005 14 14	G1/4"	G1/4"	8	8	21	17	-
022427	A005 14 38	G1/4"	G3/8"	8	9	22	19	-
022428	A005 14 12	G1/4"	G1/2"	8	10	23,5	24	-
022429	A005 38 38	G3/8"	G3/8"	9	9	23	19	-
022430	A005 38 12	G3/8"	G1/2"	9	10	24,5	24	-
022431	A005 12 12	G1/2"	G1/2"	10	10	25,5	24	-
022432	A005 12 34	G1/2"	G3/4"	10	11	27	30	-
022433	A005 34 34	G3/4"	G3/4"	11	11	28	30	-
022434	A005 34 01	G3/4"	G1"	11	13	30	36	-
022435	A005 01 01	G1"	G1"	12	12	31	36	-

Main features

Type	Description
A006	BSPT nipple. In nickel-plated brass.



Dimensions

Code	Item	A	A1	H	H1	L	CH	Weight (g)
022451	A006 18 18	R1/8"	R1/8"	7,5	7,5	19	12	-
022452	A006 18 14	R1/8"	R1/4"	7,5	10	22,5	14	-
022453	A006 18 38	R1/8"	R3/8"	7,5	10	22,5	17	-
022454	A006 14 14	R1/4"	R1/4"	10	10	25	14	-
022455	A006 14 38	R1/4"	R3/8"	10	10	25	17	-
022456	A006 14 12	R1/4"	R1/2"	11,2	13,5	30	22	-
022457	A006 38 38	R3/8"	R3/8"	10	10	25	17	-
022458	A006 38 12	R3/8"	R1/2"	10	12	28	22	-
022459	A006 12 12	R1/2"	R1/2"	12	12	30	22	-
022460	A006 12 34	R1/2"	R3/4"	12	14	32	27	-
022461	A006 34 34	R3/4"	R3/4"	14	14	34	27	-
022462	A006 34 01	R3/4"	R1"	14	16	36	34	-
022463	A006 01 01	R1"	R1"	16	16	39	34	-

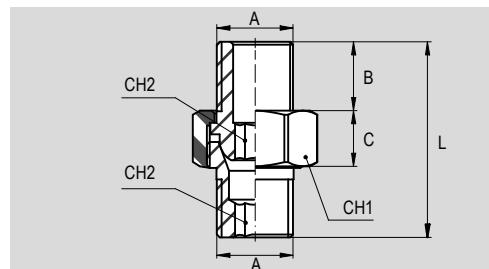
Standard fittings

Series A



Main features

Type	Description
A047	BSPT nipple union. In nickel-plated brass.

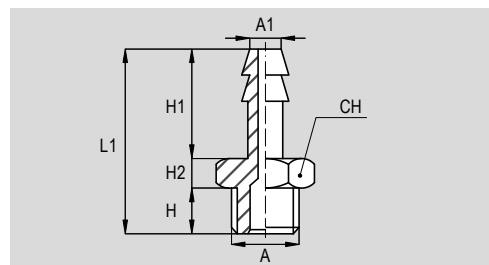


Dimensions

Code	Item	A	B	C	L	CH1	CH2	Weight (g)
023471	A047 18 18	R1/8"	9	8,5	27	15	5	-
023472	A047 14 14	R1/4"	12	9,5	33,5	19	6	-
023473	A047 38 38	R3/8"	13	10,2	36,5	22	8	-
023474	A047 12 12	R1/2"	16	12	44	27	12	-
023475	A047 34 34	R3/4"	18	17	53	36	14	-
023476	A047 01 01	R1"	22	20	64	46	19	-

Main features

Type	Description
A015	BSP hose adapter. In nickel-plated brass. For sealing washers see page 4.65.1



Dimensions

Code	Item	A	A1	H	H1	H2	L1	CH	Weight (g)
022601	A015 18 07	G1/8"	7	6	18	4	28	12	-
022602	A015 18 08	G1/8"	8	6	18	4	28	12	-
022603	A015 18 09	G1/8"	9	6	18	4	28	12	-
022604	A015 14 07	G1/4"	7	8	18	4,5	30,5	17	-
022605	A015 14 08	G1/4"	8	8	18	4,5	30,5	17	-
022606	A015 14 09	G1/4"	9	8	18	4,5	30,5	17	-
022607	A015 14 12	G1/4"	12	8	18	4,5	30,5	17	-
022608	A015 38 09	G3/8"	9	9	18	5	32	19	-
022609	A015 38 12	G3/8"	12	9	18	5	32	19	-
022610	A015 38 17	G3/8"	17	9	18	5	32	19	-
022611	A015 12 12	G1/2"	12	10	18	6	34	24	-
022612	A015 12 17	G1/2"	17	9	24	5	38	24	-

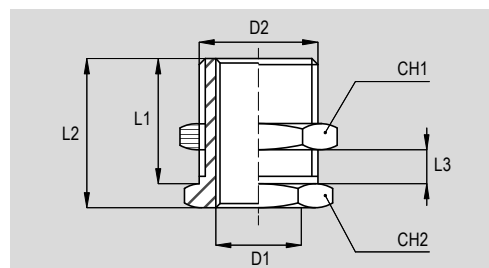
Standard fittings

Series A



Main features

Type	Description
A044 	Female bulkhead. In nickel-plated brass.

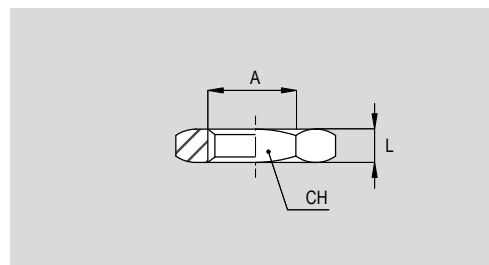


Dimensions

Code	Item	D1	D2	L1	L2	L3 (max)	CH1	CH2	Weight (g)
022881 	A044 05 05	M5x0,8	M10x1	9,5	13	6	14	14	-
022882 	A044 18 18	G1/8"	M16x1,5	15	19	10	22	19	-
022883 	A044 14 14	G1/4"	M20x1,5	19	23	14	27	24	-
022884 	A044 38 38	G3/8"	M26x1,5	22	27	16	32	30	-
022885 	A044 12 12	G1/2"	M28x1,5	28	34	21	36	32	-

Main features

Type	Description
A013	Nut. In nickel-plated brass.



Dimensions

Code	Item	A	CH	L	Weight (g)
022551	A013 18 18	G1/8"	12	3	-
022552	A013 14 14	G1/4"	16	3	-
022553	A013 38 38	G3/8"	19	4	-
022554	A013 12 12	G1/2"	24	4	-
022555	A013 34 34	G3/4"	30	5	-
022556	A013 01 01	G1"	38	6	-

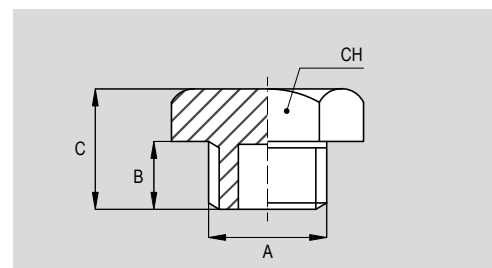
Standard fittings

Series A



Main features

Type	Description
A008 	Male BSP plug. In nickel-plated brass. For sealing washers see page 4.65.1

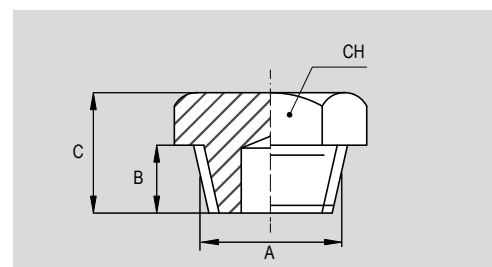


Dimensions

Code	Item	A	B	C	CH	Weight (g)
022517 	A008 05 05	M5x0,8	4,5	7,5	8	-
022511 	A008 18 18	G1/8"	6	10	14	-
022512 	A008 14 14	G1/4"	8	12,5	17	-
022513 	A008 38 38	G3/8"	9	14	19	-
022514 	A008 12 12	G1/2"	10	15	24	-
022515 	A008 34 34	G3/4"	11	16,5	30	-
022516 	A008 01 01	G1"	13	19	36	-

Main features

Type	Description
A016	Male BSPT plug. In nickel-plated brass.



Dimensions

Code	Item	A	B	C	CH	Weight (g)
022471	A016 18 18	R1/8"	7,5	11,5	14	-
022472	A016 14 14	R1/4"	11	15,5	17	-
022473	A016 38 38	R3/8"	11	16	19	-
022474	A016 12 12	R1/2"	13	18,5	24	-
022475	A016 34 34	R3/4"	14	20	30	-
022476	A016 01 01	R1"	15,5	22	36	-

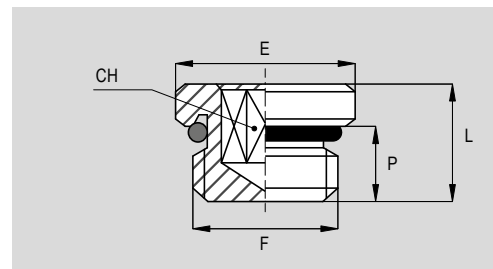
Standard fittings

Series A



Main features

Type	Description
A009 	Male BSP plug with O-ring. In nickel-plated brass, O-ring in NBR.

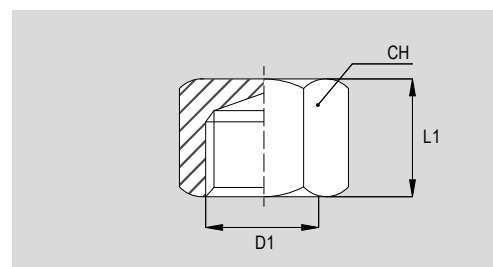


Dimensions

Code	Item	F	CH	P	L	E	Weight (g)
022521 	A009 05 05	M5x0,8	2,5	4,5	7,2	8	-
022522 	A009 18 18	G1/8"	5	6,5	9,5	14	-
022523 	A009 14 14	G1/4"	6	8	11,5	17	-
022524 	A009 38 38	G3/8"	8	9	12,5	20	-
022525 	A009 12 12	G1/2"	10	10	14	26	-

Main features

Type	Description
A010	Female plug. In nickel-plated brass.



Dimensions

Code	Item	D1	L1	CH	Weight (g)
022537	A010 05 05	M5x0,8	7	8	-
022531	A010 18 18	G1/8"	11	14	-
022532	A010 14 14	G1/4"	13	17	-
022533	A010 38 38	G3/8"	14	20	-
022534	A010 12 12	G1/2"	15	24	-
022535	A010 34 34	G3/4"	16	30	-
022536	A010 01 01	G1"	18	38	-

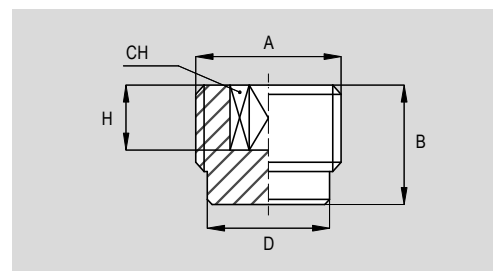
Standard fittings

Series A



Main features

Type	Description
A011 	BSP olive. In nickel-plated brass.

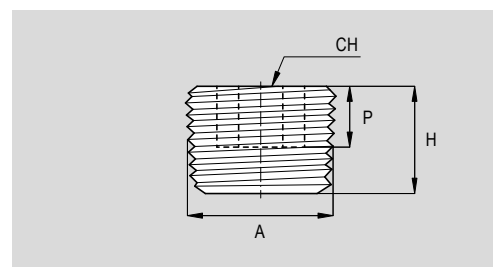


Dimensions

Code	Item	A	B	CH	D	H	Weight (g)
022541 	A011 18 18	G1/8"	7,5	5	8	4	-
022542 	A011 14 14	G1/4"	10	6	11	6	-
022543 	A011 38 38	G3/8"	10	8	14	6	-
022544 	A011 12 12	G1/2"	11	10	18	7	-

Main features

Type	Description
A012 	BSPT olive. In nickel-plated brass.



Dimensions

Code	Item	A	H	P	CH	Weight (g)
022546 	A012 18 18	R1/8"	7,5	4	5	-
022547 	A012 14 14	R1/4"	10	5	6	-
022548 	A012 38 38	R3/8"	10	6	8	-
022549 	A012 12 12	R1/2"	12	8	10	-

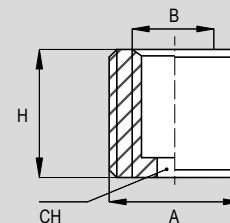
Standard fittings

Series A



Main features

Type	Description
A014	M/F BSP reducing insert. In nickel-plated brass.

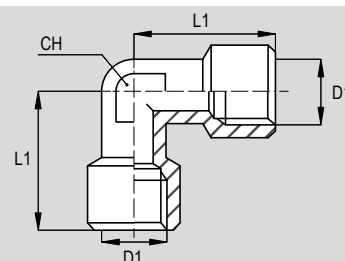


Dimensions

Code	Item	A	B	H	CH	Weight (g)
022571	A014 18 05	G1/8"	M5x0,8	6	3	-
022572	A014 14 18	G1/4"	G1/8"	7	6	-
022573	A014 38 18	G3/8"	G1/8"	9	6	-
022574	A014 38 14	G3/8"	G1/4"	9	8	-
022575	A014 12 14	G1/2"	G1/4"	10	8	-
022576	A014 12 38	G1/2"	G3/8"	10	10	-
022577	A014 34 12	G3/4"	G1/2"	12	14	-
022578	A014 01 34	G1"	G3/4"	14	16	-

Main features

Type	Description
A021 	F/F elbow. In nickel-plated brass.



Dimensions

Code	Item	D1	L1	CH	Weight (g)
022717	A021 05 05	M5x0,8	11	9	-
022711 	A021 18 18	G1/8"	21	10	-
022712 	A021 14 14	G1/4"	26	13	-
022713 	A021 38 38	G3/8"	30	17	-
022714 	A021 12 12	G1/2"	34	21	-
022715	A021 34 34	G3/4"	36,5	25	-
022716	A021 01 01	G1"	45	30	-

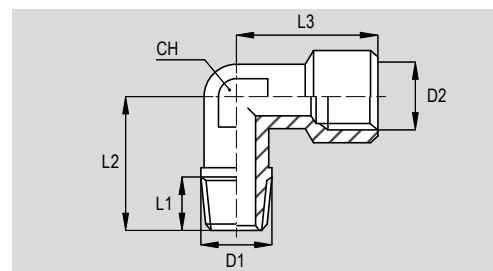
Standard fittings

Series A



Main features

Type	Description
A022 	M/F elbow. In nickel-plated brass.

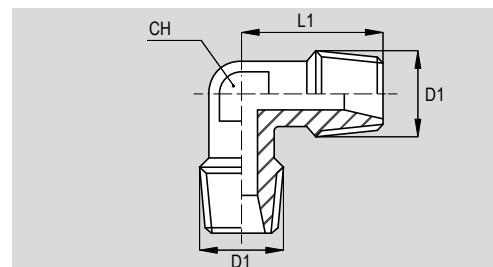


Dimensions

Code	Item	D1	D2	L1	L2	L3	CH	Weight (g)
022737	A022 05 05	M5x0,8	M5x0,8	4	11,5	11	9	-
022731 	A022 18 18	R1/8"	G1/8"	7,5	18	21	10	-
022732 	A022 14 14	R1/4"	G1/4"	11	25	26	13	-
022733 	A022 38 38	R3/8"	G3/8"	11,5	28	30	17	-
022734 	A022 12 12	R1/2"	G1/2"	14	30	34	21	-
022735	A022 34 34	R3/4"	G3/4"	14,5	32	36,5	25	-
022736	A022 01 01	R1"	G1"	16,8	39	45	30	-

Main features

Type	Description
A035	M/M elbow. In nickel-plated brass.



Dimensions

Code	Item	D1	L1	CH	Weight (g)
022787	A035 05 05	M5x0,8	11,5	9	-
022781	A035 18 18	R1/8"	18	10	-
022782	A035 14 14	R1/4"	22	13	-
022783	A035 38 38	R3/8"	26	17	-
022784	A035 12 12	R1/2"	30	21	-
022785	A035 34 34	R3/4"	32	25	-
022786	A035 01 01	R1"	39	30	-

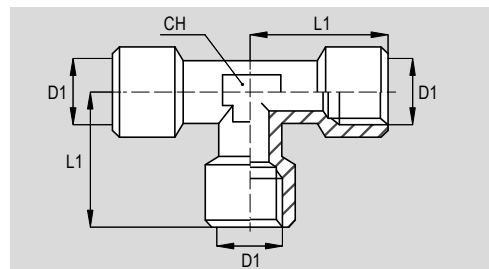
Standard fittings

Series A



Main features

Type	Description
A023	F/F/F tee. In nickel-plated brass.

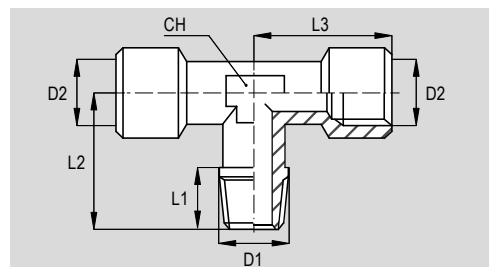


Dimensions

Code	Item	D1	L1	Ch	Weight (g)
022747	A023 05 05	M5x0,8	11	9	-
022741	A023 18 18	G1/8"	21	12	-
022742	A023 14 14	G1/4"	26	13	-
022743	A023 38 38	G3/8"	30	17	-
022744	A023 12 12	G1/2"	34	21	-
022745	A023 34 34	G3/4"	36,5	25	-
022746	A023 01 01	G1"	45	30	-

Main features

Type	Description
A024	F/M/F tee. In nickel-plated brass.



Dimensions

Code	Item	D1	D2	L1	L2	L3	CH	Weight (g)
022757	A024 05 05	M5x0,8	M5x0,8	4	11,5	11	9	-
022751	A024 18 18	R1/8"	G1/8"	7,5	18	21	10	-
022752	A024 14 14	R1/4"	G1/4"	11	25	26	13	-
022753	A024 38 38	R3/8"	G3/8"	11,5	28	30	17	-
022754	A024 12 12	R1/2"	G1/2"	14	30	34	21	-
022755	A024 34 34	R3/4"	G3/4"	14,5	32	36,5	25	-
022756	A024 01 01	R1"	G1"	16,5	39	45	30	-

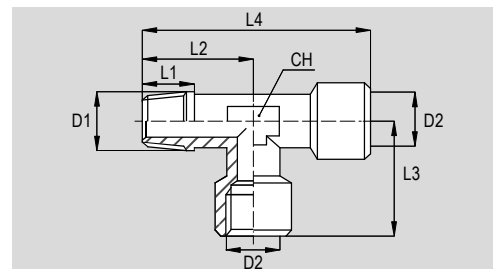
Standard fittings

Series A



Main features

Type	Description
A025	M/F/F tee. In nickel-plated brass.

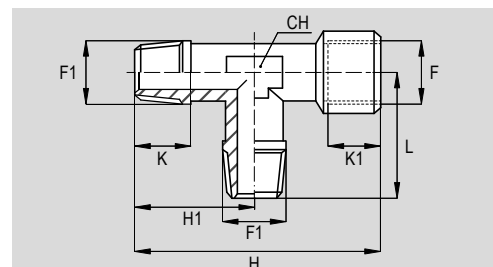


Dimensions

Code	Item	D1	D2	L1	L2	L3	L4	CH	Weight (g)
022767	A025 05 05	M5x0,8	M5x0,8	4	11,5	11	22	9	-
022761	A025 18 18	R1/8"	G1/8"	7,5	18	21	39,5	10	-
022762	A025 14 14	R1/4"	G1/4"	11	25	26	48,5	13	-
022763	A025 38 38	R3/8"	G3/8"	11,5	28	30	53,5	17	-
022764	A025 12 12	R1/2"	G1/2"	14	30	34	63	21	-
022765	A025 34 34	R3/4"	G3/4"	14,5	33	36,5	68,5	25	-
022766	A025 01 01	R1"	G1"	16,5	39	45	84	30	-

Main features

Type	Description
A027	M/M/F tee. In nickel-plated brass.



Dimensions

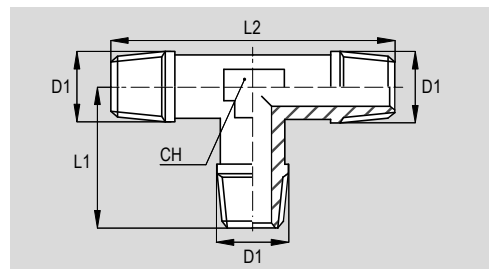
Code	Item	F	F1	K	K1	H	H1	L	CH	Weight (g)
022815	A027 18 18	G1/8"	R1/8"	8	8	39,5	18,5	18,5	10	-
022816	A027 14 14	G1/4"	R1/4"	11	11	49	23,5	23,5	13	-
022817	A027 38 38	G3/8"	R3/8"	11,5	11,5	54	26	26	17	-
022818	A027 12 12	G1/2"	R1/2"	14	14	64,5	31	31	21	-
022819	A027 34 34	G3/4"	R3/4"	14,5	16,5	68,5	36,5	36,5	25	-

Standard fittings

Series A

Main features

Type	Description
A036	M/M/M tee. In nickel-plated brass.

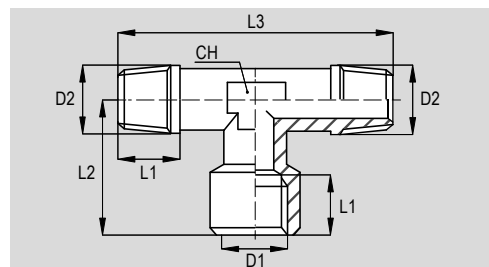


Dimensions

Code	Item	D1	L1	L2	CH	Weight (g)
022801	A036 18 18	R1/8"	18	36	10	-
022802	A036 14 14	R1/4"	22	44	13	-
022803	A036 38 38	R3/8"	26	52	17	-
022804	A036 12 12	R1/2"	30	60	21	-
022805	A036 34 34	R3/4"	32	64	25	-
022806	A036 01 01	R1"	39	78	30	-

Main features

Type	Description
A045	M/F/M tee. In nickel-plated brass.



Dimensions

Code	Item	D1	D2	L1	L2	L3	CH	Weight (g)
022901	A045 18 18	G1/8"	R1/8"	7,5	21	36	10	-
022902	A045 14 14	G1/4"	R1/4"	11	26	44	13	-
022903	A045 38 38	G3/8"	R3/8"	11,5	27	51	17	-
022904	A045 12 12	G1/2"	R1/2"	14	32	59	21	-
022905	A045 34 34	G3/4"	R3/4"	14,5	36,5	64	25	-
022906	A045 01 01	G1"	R1"	16,5	45	78	30	-

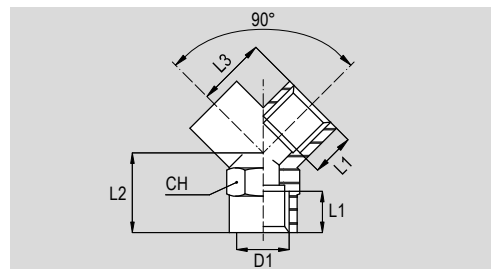
Standard fittings

Series A



Main features

Type	Description
A040	F/F/F Y. In nickel-plated brass.

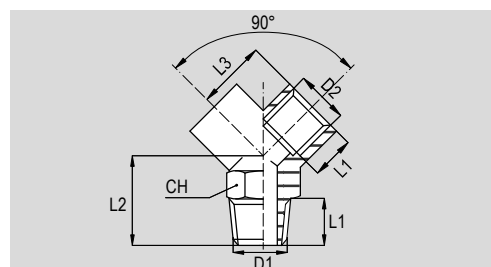


Dimensions

Code	Item	D1	L1	L2	L3	CH	Weight (g)
022841	A040 18 18	G1/8"	8	12	14	13	-
022842	A040 14 14	G1/4"	11	14	17	17	-
022843	A040 38 38	G3/8"	11,5	16	19	20	-
022844	A040 12 12	G1/2"	14	19	24,5	25	-

Main features

Type	Description
A041	F/M/F Y. In nickel-plated brass.



Dimensions

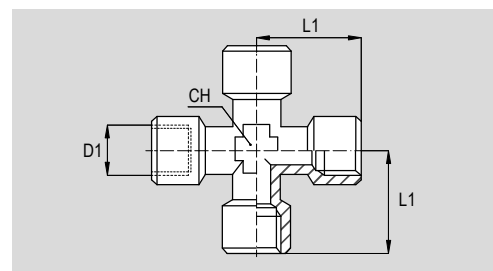
Code	Item	D1	D2	L1	L2	L3	CH	Weight (g)
022861	A041 18 18	R1/8"	G1/8"	8	16	14	13	-
022862	A041 14 14	R1/4"	G1/4"	11	20	17	17	-
022863	A041 38 38	R3/8"	G3/8"	11,5	22	19	20	-
022864	A041 12 12	R1/2"	G1/2"	14	27	24,5	25	-

Standard fittings

Series A

Main features

Type	Description
A026	F/F/F/F +. In nickel-plated brass.

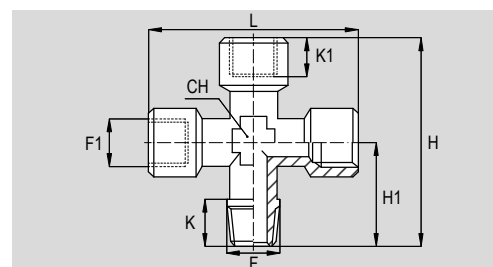


Dimensions

Code	Item	D1	L1	CH	Weight (g)
022771	A026 18 18	G1/8"	21	10	-
022772	A026 14 14	G1/4"	26	13	-
022773	A026 38 38	G3/8"	30	17	-
022774	A026 12 12	G1/2"	34	21	-

Main features

Type	Description
A046	F/M/F/F +. In nickel-plated brass.

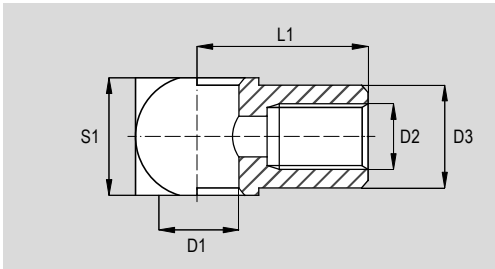


Dimensions

Code	Item	F	F1	K	K1	H	H1	L	CH	Weight (g)
022891	A046 18 18	R1/8"	G1/8"	8	8	39,5	18,5	42	10	-
022892	A046 14 14	R1/4"	G1/4"	11	11	49	23,5	51	13	-
022893	A046 38 38	R3/8"	G3/8"	11,5	11,5	54	26	56	17	-
022894	A046 12 12	R1/2"	G1/2"	14	14	64,5	31	67	21	-

Main features

Type	Description
A042 	Female single banjo. In nickel-plated brass. Compatible with bolt types R31, R32, R59 and R60. Compatible with flow regulators typer V14 and V15. Compatible with accessories with integrated function types V45, V46 and V47.



Dimensions

Code	Item	D1	D2	D3	L1	S1	Weight (g)
022875	A042 05 05	5,1	M5x0,8	9	11	10	-
022871 	A042 18 18	10	G1/8"	14	17	15	-
022872 	A042 14 14	13,2	G1/4"	17	22	18	-
022873 	A042 38 38	17	G3/8"	20	26	20	-
022874 	A042 12 12	21	G1/2"	25	32	24	-

QUICK-LOCK

fittings



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Quick-lock couplings single shut off (only on coupling) in brass not nickel-plated. Connection tightness of the coupling with the stem is granted by a series of spheres. This allows a longer life time even when connections and disconnections are frequent. Divided in couplings (type KA) and stems (type SF), are available in different sizes (20, 21 and 26) and many configurations. Supplied as standard in compliance to Reach and RoHS directives.



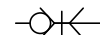
Quick-lock couplings

from page 4.40.10



Quick-lock couplings in standard brass (not nickel-plated) with european profile. Availables in many configurations and in three sizes.

Size 20 (DN 2,7) is compact dimensions and can be used in different fields, suitable for chemical, medical, pharmaceutical and similar. Size 21 (DN 5) is the most common size, so is used in various fields. Size 26 (DN 7,2) is the biggest, is used in almost every field, and is often called "universal".



Quick-lock couplings



Code key

Size	Series ⁽¹⁾	Type ⁽¹⁾	Thread or Tube ⁽¹⁾		Material	Seals	Surface treatment
21	KA	AW	13		M	P	X
20 = 6 mm ² (DN 2,7)	KA = Coupling SF = Stem	AM = Male metric thread (DIN 13)	03 = -	Ø 3	M = Brass	P = NBR	X = None
21 = 20 mm ² (DN 5)		AD = Male metric thread (DIN 2353, ISO 8434-1)	04 = -	Ø 4		X = None	
26 = 40 mm ² (DN7,2)		AW = BSP male thread (ISO 228)	05 = M5x0,8	Ø 5			
		IM = Metric female thread (DIN 13)	06 = -	Ø 6			
		IW = BSP female thread (ISO 228)	08 = -	Ø 8			
		TF = With hose adapter	09 = -	Ø 9			
		KO = With rapid fitting	10 = M10x1	Ø 10			
		KS = With bulkhead rapid fitting	10 = 1/8"	-			
		TS = With bulkhead hose adapter	12 = M12x1,5	Ø 12			
		KK = With rapid fitting and anti-deviation spring	13 = 1/4"	Ø 13			
			14 = M14x1,5	-			
			16 = M16x1,5	-			
			17 = 3/8"	-			
			18 = M18x1,5	-			
			21 = 1/2"	-			

Notes

The options in the same grind are alternative to each others.

For standard materials and technical features see page 4.40.12

(1) For matching between size, coupling, stem, type and thread or tube diameter, see from page 4.40.11; for the specific type, see the following pages.

On request are also available other types, sizes, material, seals and surface treatments. For further informations and availability, please contact the sales department.

How to order - Couplings

Size	Series	Type	Thread	Material	Seals	Surface treatment
21	KA	AW	13	M	P	X

How to order - Stems

Size	Series	Type	Thread	Material	Seals	Surface treatment
21	SF	KO	08	M	X	X

Quick-lock couplings

Type				Parallel threads (BSP)	Metric threads	For tube (internal) Ø mm	Data sheet and code page
KA	AM	Coupling with male metric thread (DIN 13)		-	M5x0,8	-	4.40.20
KA	AD	Coupling with male metric thread (DIN 2353, ISO 8434-1)		-	M12x1,5, M14x1,5, M16x1,5, M18x1,5	-	4.40.20
KA	AW	Coupling with BSP male thread (ISO 228)		1/8", 1/4", 3/8", 1/2"	-	-	4.40.20
KA	IM	Coupling with female metric thread (DIN 13)		-	M5x0,8, M12x1,5, M14x1,5, M16x1,5, M18x1,5	-	4.40.20
KA	IW	Coupling with BSP female thread (ISO 228)		1/8", 1/4", 3/8", 1/2"	-	-	4.40.20
KA	TF	Coupling with hose adapter		-	-	3, 4, 5, 6, 8, 9, 10, 13	4.40.21
KA	KO	Coupling with rapid fitting		-	-	4, 5, 6, 8, 10, 12	4.40.21
KA	KS	Coupling with bulkhead rapid fitting		-	-	4, 5, 6	4.40.22
KA	TS	Coupling with bulkhead hose adapter		-	-	3, 4, 6, 8, 9, 10	4.40.22
KA	KK	Coupling with rapid fitting and anti- deviation spring		-	-	6, 8, 10, 12	4.40.23
SF	AM	Stem with male metric thread (DIN 13)		-	M5x0,8	-	4.40.40
SF	AD	Stem with male metric thread (DIN 2353, ISO 8434-1)		-	M12x1,5, M14x1,5, M16x1,5, M18x1,5	-	4.40.40
SF	AW	Stem with BSP male thread (ISO 228)		1/8", 1/4", 3/8", 1/2"	-	-	4.40.40
SF	IM	Stem with female metric thread (DIN 13)		-	M5x0,8, M12x1,5, M14x1,5, M16x1,5, M18x1,5	-	4.40.40
SF	IW	Stem with BSP female thread (ISO 228)		1/8", 1/4", 3/8", 1/2"	-	-	4.40.40
SF	TF	Stem with hose adapter		-	-	3, 4, 5, 6, 8, 9, 10, 13	4.40.41
SF	KO	Stem with rapid fitting		-	-	4, 5, 6, 8, 10, 12	4.40.41
SF	KS	Stem with bulkhead rapid fitting		-	-	4, 5, 6, 8	4.40.42
SF	TS	Stem with bulkhead hose adapter		-	-	3, 4, 5, 6, 8, 10	4.40.42
SF	KK	Stem with rapid fitting and anti- deviation spring		-	-	6, 8, 10, 12	4.40.43

Technical data

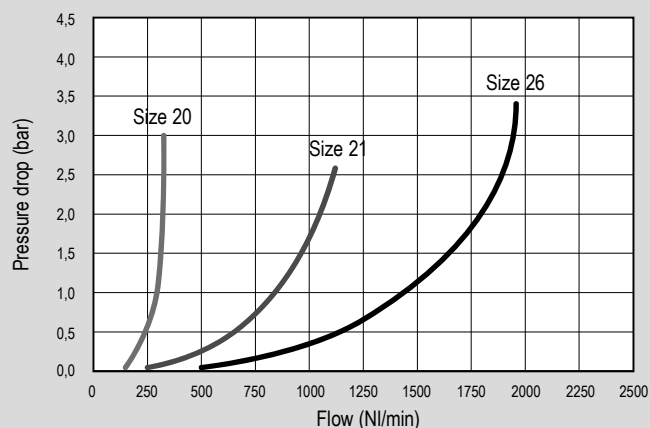
Series	KA			SF		
Size	20	21	26	20	21	26
	6 mm² (DN 2,7)	20 mm² (DN 5)	40 mm² (DN 7,2)	6 mm² (DN 2,7)	20 mm² (DN 5)	40 mm² (DN 7,2)
Fluid	Compressed air, water, non-aggressive fluids					
Pressure range	0 ÷ 35 bar					
Vacuum	-99 KPa					
Temperature range	-20°C ÷ +100°C					
Metric threads	DIN 13	DIN 2353, ISO 8434-1		DIN 13	DIN 2353, ISO 8434-1	
Parallel threads	ISO 228					
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)					

Standard materials

Series	KA	SF
Body	Brass OT58	
Valve	Brass OT58	-
Releasing sleeve	Brass OT58	
Springs	Stainless Steel AISI 301	
Elastic ring	Stainless Steel AISI 301	
Spheres	Stainless Steel AISI 420	
Seals	NBR	

Flow diagram

P = 6 bar, with ΔP 1 bar



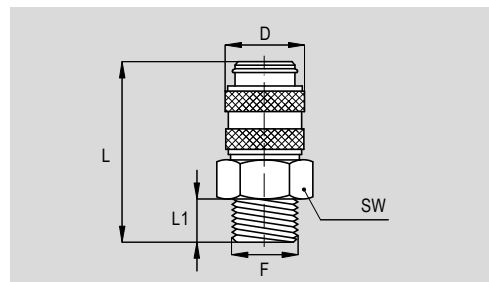
Quick-lock couplings

Couplings series KA



Main features

Type	Description
KA AD	Coupling with male metric thread (DIN 13)
KA AM	Coupling with male metric thread (DIN 2353, ISO 8434-1)
KA AW	Coupling with BSP male thread (ISO 228)

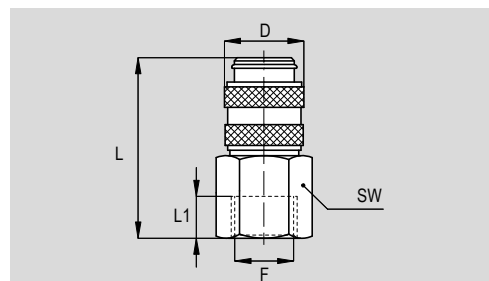


Dimensions

Code	Item	Size	F (Thread)	SW	L	D	L1	Weight (g)
570002	20KAAM05MPX	20 (DN 2,7)	M5X0,8	9	26	10	5	9
570015	20KAAW10MPX		G1/8"	11	28	10	7	12
570043	21KAAW10MPX		G1/8"	14	37	16	7	27
570044	21KAAW13MPX	21 (DN 5)	G1/4"	17	38	16	9	36
570045	21KAAW17MPX		G3/8"	19	38	16	9	43
570046	21KAAD12MPX		M12x1,5	17	39	16	10	37
570047	21KAAD14MPX	26 (DN7,2)	M14x1,5	17	39	16	10	37
570100	26KAAW10MPX		G1/8"	22	38	27	7	70
570006	26KAAW13MPX		G1/4"	22	40	27	9	73
570101	26KAAW17MPX		G3/8"	22	41	27	9	76
570102	26KAAW21MPX		G1/2"	24	41	27	10	87
570104	26KAAD14MPX		M14x1,5	22	40	27	9	75
570105	26KAAD16MPX		M16x1,5	22	40	27	9	75
570106	26KAAD18MPX		M18x1,5	22	40	27	10	78

Main features

Type	Description
KA IM	Coupling with female metric thread (DIN 13)
KA IW	Coupling with BSP female thread (ISO 228)



Dimensions

Code	Item	Size	F (Thread)	SW	L	D	L1	Weight (g)
570016	20KAIM05MPX	20 (DN 2,7)	M5X0,8	9	26	10	5	10
570017	20KAIW10MPX		G1/8"	12	28	10	7	14
570048	21KAIW10MPX		G1/8"	14	37	16	9	32
570049	21KAIW13MPX	21 (DN 5)	G1/4"	17	38	16	9	38
570050	21KAIW17MPX		G3/8"	19	39	16	10,5	39
570051	21KAIM12MPX		M12x1,5	17	38	16	9	39
570052	21KAIM14MPX	26 (DN7,2)	M14x1,5	17	38	16	9	37
570107	26KAIW13MPX		G1/4"	22	41	27	10,5	92
570108	26KAIW17MPX		G3/8"	22	41	27	10,5	85
570109	26KAIW21MPX		G1/2"	24	42,5	27	12	87
570110	26KAIM14MPX		M14x1,5	22	41,5	27	11	90
570111	26KAIM16MPX		M16x1,5	22	41,5	27	11	84
570112	26KAIM18MPX		M18x1,5	22	41,5	27	12	80

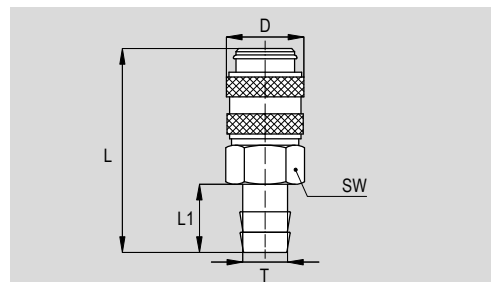
Quick-lock couplings

Couplings series KA



Main features

Type	Description
KA TF	Coupling with hose adapter

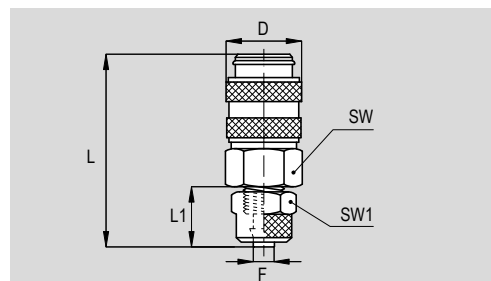


Dimensions

Code	Item	Size	T (Ø int. Tube)	SW	L	D	L1	Weight (g)
570018	20KATF03MPX	20 (DN 2,7)	3	12	35	10	13	9
570019	20KATF04MPX		4	12	35	10	13	10
570020	20KATF05MPX		5	12	35	10	13	10
570053	21KATF04MPX	21 (DN 5)	4	14	46	16	17	27
570054	21KATF06MPX		6	14	46	16	17	27
570055	21KATF08MPX		8	14	46	16	17	29
570056	21KATF09MPX		9	14	46	16	17	29
570113	26KATF06MPX	26 (DN7,2)	6	21	55	27	25	64
570114	26KATF08MPX		8	21	55	27	25	67
570115	26KATF09MPX		9	21	55	27	25	68
570116	26KATF10MPX		10	21	55	27	25	70
570117	26KATF13MPX		13	21	55	27	25	75

Main features

Type	Description
KA KO	Coupling with rapid fitting



Dimensions

Code	Item	Size	T (Ø Tube)	SW	SW1	L	D	L1	Weight (g)
570021	20KAKO04MPX	20 (DN 2,7)	4x3	9	-	33	10	12	15
570022	20KAKO05MPX		5x3	9	-	33	10	12	15
570023	20KAKO06MPX		6x4	9	-	32	10	12	15
570059	21KAKO06MPX	21 (DN 5)	6x4	14	12	43	16	13	32
570060	21KAKO08MPX		8x6	14	14	43	16	13	34
570270	26KAKO06MPX	26 (DN7,2)	6x4	22	12	44	27	11	73
570121	26KAKO08MPX		8x6	22	14	44	27	13	78
570122	26KAKO10MPX		10x8	22	17	48	27	17	83
570123	26KAKO12MPX		12x9	22	17	48	27	17	85

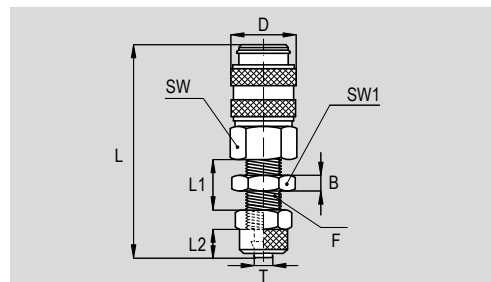
Quick-lock couplings

Couplings series KA



Main features

Type	Description
KA KS	Coupling with bulkhead rapid fitting

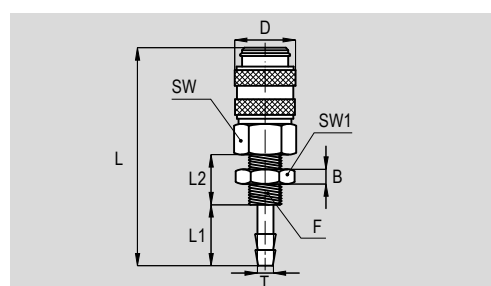


Dimensions

Code	Item	Size	T (Ø Tube)	F	B	SW	SW1	L	D	L1	L2	Weight (g)
570024	20KAKS04MPX	20 (DN 2,7)	4x3	M7x0,5	3	12	11	45	10	17	7	26
570025	20KAKS05MPX		5x3	M7x0,5	3	12	11	45	10	17	7	26
570026	20KAKS06MPX		6x4	M8x0,5	3,5	12	12	45	10	17	7	26

Main features

Type	Description
KA TS	Coupling with bulkhead hose adapter



Dimensions

Code	Item	Size	T (Ø int. Tube)	F	SW	SW1	L	B	D	L1	L2	Weight (g)
570027	20KATS03MPX	20 (DN 2,7)	3	M7x0,5	12	11	51	3	10	13	17	24
570028	20KATS04MPX		4	M7x0,5	12	11	51	3	10	13	17	24
570063	21KATS04MPX	21 (DN 5)	4	M10x1	14	14	60	4	16	17	14	40
570065	21KATS06MPX		6	M12x1	17	17	60	4	16	17	14	45
572510	21KATS09MPX		9	M12x1	17	19	60	4	16	17	14	47
572378	26KATS06MPX	26 (DN7,2)	6	M12x1	22	17	62	4	27	17	14	87
572379	26KATS08MPX		8	M12x1	22	17	62	4	27	17	14	88
572380	26KATS10MPX		10	M14x1	22	19	70	4	27	25	14	90

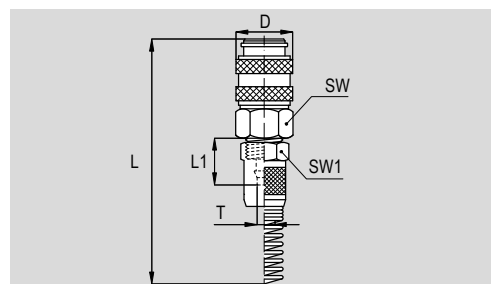
Quick-lock couplings

Couplings series KA



Main features

Type	Description
KA KK	Coupling with rapid fitting and anti-deviation spring



Dimensions

Code	Item	Size	T (Ø Tube)	SW	SW1	L	D	L1	Weight (g)
570067	21KAKK06MPX	21 (DN 5)	6x4	14	12	120	16	13	39
570068	21KAKK08MPX		8x6	14	14	130	16	13	44
570124	26KAKK08MPX	26 (DN7,2)	8x6	22	14	130	27	13	90
570125	26KAKK10MPX		10x8	22	19	136	27	17	120
570126	26KAKK12MPX		12x9	22	19	126	27	17	141

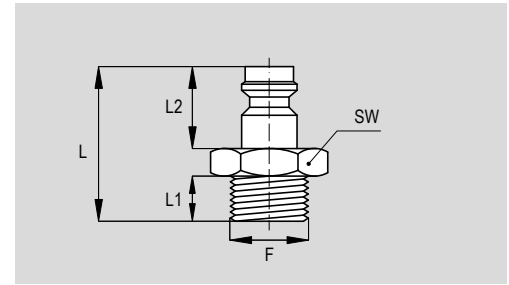
Quick-lock couplings

Stems series SF



Main features

Type	Description
SF AM	Stem with male metric thread (DIN 13)
SF AD	Stem with male metric thread (DIN 2353, ISO 8434-1)
SF AW	Stem with BSP male thread (ISO 228)

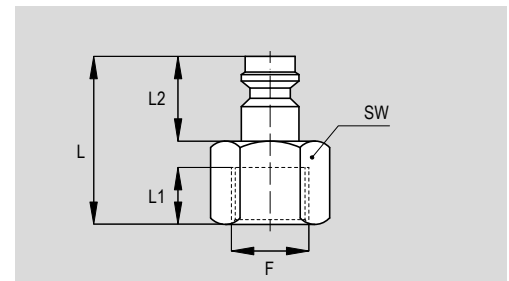


Dimensions

Code	Item	Size	F (Thread)	SW	L	L1	L2	Weight (g)
570039	20SFAM05MXX	20 (DN 2,7)	M5X0,8	7	18	5	10	3
570040	20SFAW10MXX		G1/8"	11	20	7	10	6
570088	21SFAW10MXX		G1/8"	13	25	7	14	11
570089	21SFAW13MXX		G1/4"	17	27,5	9	14	18
570090	21SFAW17MXX	21 (DN 5)	G3/8"	19	27,5	9	14	21
570091	21SFAD10MXX		M10x1	13	26	8	14	11
570092	21SFAD12MXX		M12x1,5	17	28,5	10	14	18
570093	21SFAD14MXX		M14x1,5	17	28,5	10	14	19
570147	26SFAW10MXX	26 (DN7,2)	G1/8"	13	31	7	20	17
570148	26SFAW13MXX		G1/4"	17	33	9	20	21
570149	26SFAW17MXX		G3/8"	19	33	9	20	26
570150	26SFAW21MXX		G1/2"	24	35	10	20	41
570151	26SFAD14MXX		M14x1,5	17	33	9	20	26
570152	26SFAD16MXX		M16x1,5	19	33	9	20	32
570153	26SFAD18MXX		M18x1,5	22	34	10	20	36

Main features

Type	Description
SF IM	Stem with female metric thread (DIN 13)
SF IW	Stem with BSP female thread (ISO 228)



Dimensions

Code	Item	Size	F (Thread)	SW	L	L1	L2	Weight (g)
570041	20SFIM05MXX	20 (DN 2,7)	M5x0,8	7	17	5	10	3
570042	20SFIW10MXX		G1/8"	12	19	7	10	6
570094	21SFIW10MXX	21 (DN 5)	G1/8"	13	25	9	14	12
570095	21SFIW13MXX		G1/4"	17	26	10	14	18
570096	21SFIW17MXX		G3/8"	19	26,5	10,5	14	22
570097	21SFIM10MXX		M10x1	13	22,5	7	14	10
570098	21SFIM12MXX		M12x1,5	17	25	9	14	19
570099	21SFIM14MXX		M14x1,5	17	25	9	14	17
570154	26SFIW10MXX	26 (DN7,2)	G1/8"	13	31	9	20	16
570155	26SFIW13MXX		G1/4"	17	33	10	20	24
570156	26SFIW17MXX		G3/8"	19	33	10	20	23
570157	26SFIW21MXX		G1/2"	24	35	12	20	38
570158	26SFIM14MXX		M14x1,5	17	33	11	20	25
570159	26SFIM16MXX		M16x1,5	19	33	11	20	36
570160	26SFIM18MXX		M18x1,5	22	35	12	20	43

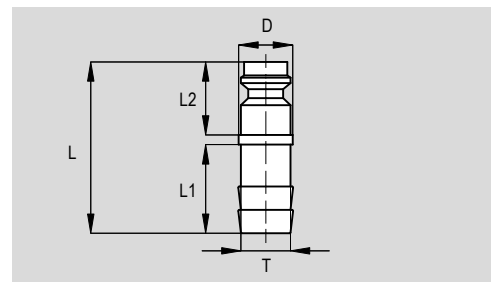
Quick-lock couplings

Stems series SF



Main features

Type	Description
SF TF	Stem with hose adapter

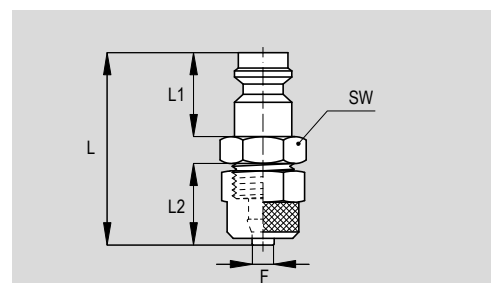


Dimensions

Code	Item	Size	T (Ø int. Tube)	L	D	L1	L2	Weight (g)
570029	20SFTF03MXX	20 (DN 2,7)	3	24	7	13	10	2
570030	20SFTF04MXX		4	24	7	13	10	3
570031	20SFTF05MXX		5	24	9	13	10	3
570069	21SFTF04MXX	21 (DN 5)	4	32	9	16,5	14	7
570070	21SFTF05MXX		5	32	12	16,5	14	8
570071	21SFTF06MXX		6	32	12	16,5	14	8
570072	21SFTF08MXX		8	32	12	16,5	14	12
570073	21SFTF09MXX	26 (DN7,2)	9	38	12	23	14	11
570127	26SFTF04MXX		4	44	12	22,5	20	10
570128	26SFTF06MXX		6	44	12	24	20	14
570129	26SFTF08MXX		8	44	12	24	20	18
570130	26SFTF09MXX		9	44	12	24	20	17
570131	26SFTF10MXX		10	44	12	23	20	19
570132	26SFTF13MXX		13	44	15	23	20	24

Main features

Type	Description
SF KO	Stem with rapid fitting



Dimensions

Code	Item	Size	T (Ø Tube)	SW	L	L1	L2	Weight (g)
570003	20SFKO04MXX	20 (DN 2,7)	4x3	8	25	10	12	12
570032	20SFKO05MXX		5x3	8	25	10	12	12
570033	20SFKO06MXX		6x4	8	25	10	12	12
570076	21SFKO06MXX	21 (DN 5)	6x4	12	32	14	12	16
570077	21SFKO08MXX		8x6	14	32	14	12	23
570136	26SFKO06MXX	26 (DN7,2)	6x4	12	34	20	13	18
570137	26SFKO08MXX		8x6	14	34	20	13	19
570138	26SFKO10MXX		10x8	17	43	20	17	38
570139	26SFKO12MXX		12x9	17	43	20	17	36

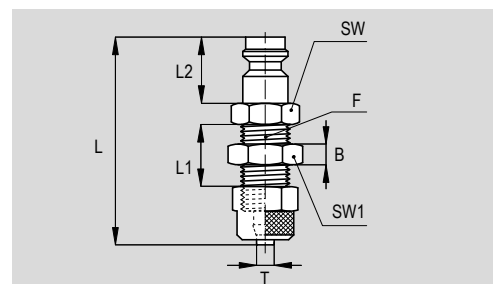
Quick-lock couplings

Stems series SF



Main features

Type	Description
SF KS	Stem with bulkhead rapid fitting

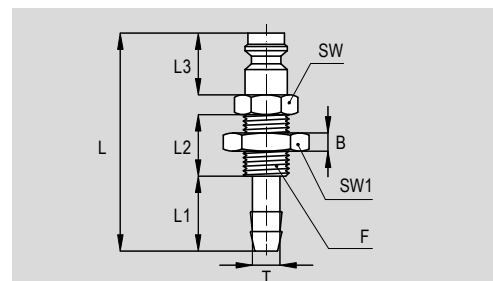


Dimensions

Code	Item	Size	T (Ø Tube)	F	B	SW	SW1	L	L1	L2	Weight (g)
570034	20SFKS04MXX	20 (DN 2,7)	4x3	M7x0,5	3	12	11	38	17	10	23
570035	20SFKS05MXX		5x3	M7x0,5	3	12	11	38	17	10	23
570036	20SFKS06MXX		6x4	M8x0,5	3,5	12	12	38	17	10	23

Main features

Type	Description
SF TS	Stem with bulkhead hose adapter



Dimensions

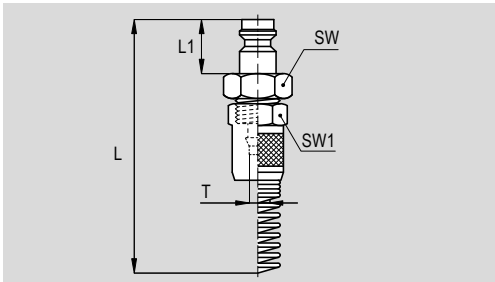
Code	Item	Size	T (Ø int. Tube)	F	SW	SW1	L	B	L1	L2	L3	Weight (g)
570037	20SFTS03MXX	20 (DN 2,7)	3	M7x0,5	12	11	45	3	13	17	10	21
570038	20SFTS04MXX		4	M7x0,5	12	11	45	3	13	17	10	21
570080	21SFTS04MXX	21 (DN 5)	4	M10x1	14	14	50	4	17	14	14	20
570082	21SFTS06MXX		6	M12x1	14	17	50	4	17	14	14	25
570084	21SFTS09MXX		9	M12x1	17	19	50	4	17	14	14	30
570140	26SFTS06MXX	26 (DN7,2)	6	M12x1	14	17	56	4	17	14	20	30
570141	26SFTS08MXX		8	M12x1	17	17	56	4	17	14	20	45
570142	26SFTS10MXX		10	M14x1	17	19	56	4	17	14	20	42

Quick-lock couplings

Stems series SF



Main features	
Type	Description
SF KK	Stem with rapid fitting and anti-deviation spring

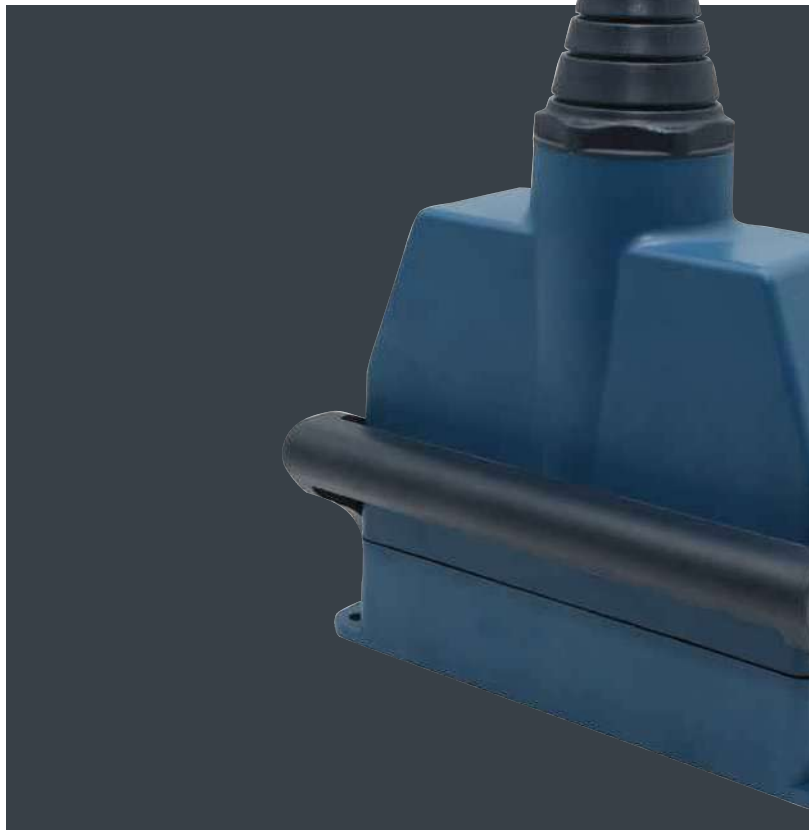


Dimensions								
Code	Item	Size	T (Ø Tube)	SW	SW1	L	L1	Weight (g)
570086	21SFKK06MXX	21 (DN 5)	6x4	14	12	110	14	26
570087	21SFKK08MXX		8x6	14	14	120	14	29
570143	26SFKK06MXX	26 (DN7,2)	6x4	-	12	115	20	30
570144	26SFKK08MXX		8x6	-	14	115	20	37
570145	26SFKK10MXX		10x8	17	19	132	20	83
570146	26KAKK12MXX		12x9	17	19	132	20	86

Notes

MULTIPLE

connectors



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Multiple connectors available in different sizes and configurations.
Supplied as standard in compliance to Reach and RoHS directives.



Series A013P (complete connector)

from page 4.55.10



Series of multiple connectors size 1, available in different configurations (number and size of tubes), with check valve.



Series A113P (complete connector)

from page 4.55.10



Series of multiple connectors size 1, available in different configurations (number and size of tubes), without check valve.



Series A213P (complete connector)

from page 4.55.10



Series of multiple connectors size 2, available in different configurations (number and size of tubes), without check valve.



Plugs and Sockets (supplied separately)

from page 4.55.20



Series of plugs and sockets for multiple connectors size 1 and 2, supplied separately in different configurations (number and size of tubes), with or without check valve.

Code key*

Series	Type ⁽¹⁾	-	Tubes size ⁽¹⁾	-	Tubes number ⁽¹⁾
A	113P	-	6	-	10
A	013P = Size 1 with check valve 113P = Size 1 without check valve 213P = Size 2 without check valve		4 = Ø 4x2,5 6 = Ø 6x4 8 = Ø 8x6		4 = 4 6 = 6 8 = 8 10 = 10 12 = 12 14 = 14 20 = 20

How to order

Series	Type	Tubes size	Tubes N°
A	113P	6	10

Notes

*Connectors supplied complete of plug and socket. Plugs and sockets are also available separately, see from page 4.55.20

(1) For matching between type, tubes size and tubes number, see the table below.

For standard materials see from page 4.55.10.

Type/tube matching

Tubes number	Type	A013P..			A113P..			A213P..		
	Tube size	Ø 4x2,5	Ø 6x4	Ø 8x6	Ø 4x2,5	Ø 6x4	Ø 8x6	Ø 4x2,5	Ø 6x4	Ø 8x6
4		-	-	●	-	-	-	-	-	-
6		-	●	-	-	-	-	-	-	-
8		-	-	-	-	-	●	-	-	-
10		-	-	-	-	●	-	-	-	●
12		-	-	-	●	-	-	-	-	-
14		-	-	-	-	-	-	-	●	-
20		-	-	-	-	-	-	●	-	-

Key

● available matching; - not available matching

Multiple connectors

Complete connector



Main features

Type	Description	Symbol
A013P..	Size 1, with push-in fittings and check valve. In technopolymer.	
A113P..	Size 1, with push-in fittings, without check valve. In technopolymer.	
A213P..	Size 2, with push-in fittings, without check valve. In technopolymer.	



Function

Multiple connectors are normally used when is required to disconnect more connections quickly with only one operation.
The disconnection of tubes in the socket is with push-in fittings. Is also possible to connect a smaller number of tubes. The plug cannot be assembled in the reverse side of the socket.

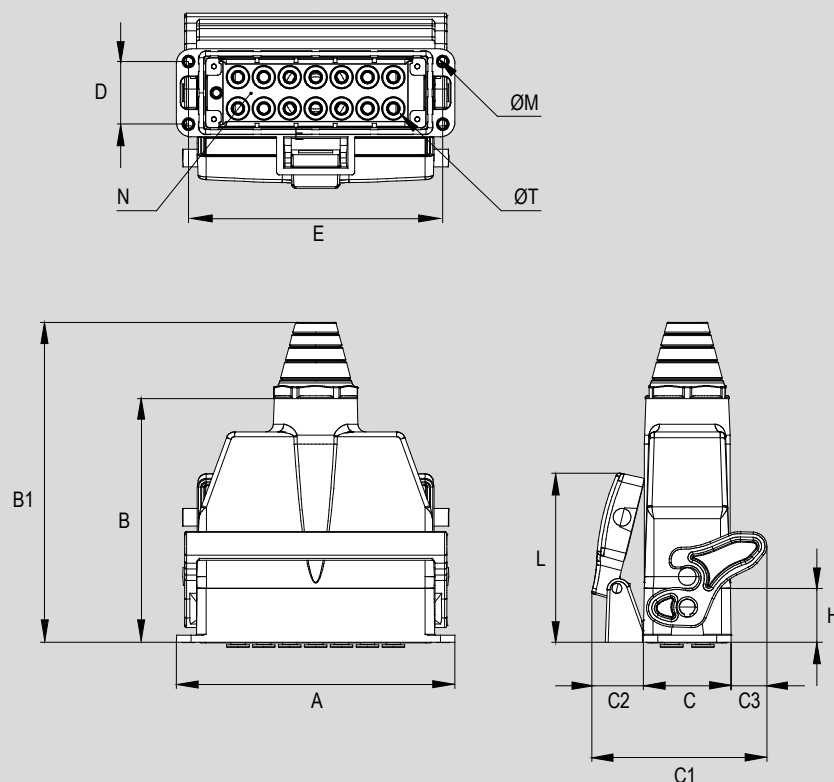
Technical data

Series	A013P..		A113P..			A213P..		
Size	1					2		
Fluid	Compressed air							
Pressure range	0 ÷ 7 bar		0 ÷ 12 bar					
Temperature range	-20°C ÷ +70°C							
Ø Connections	6x4	8x6	4x2,5	6x4	8x6	4x2,5	6x4	8x6
Numbers of connections	6	4	12	10	8	20	14	10
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11) .							
Tubes tolerance	±0,05 mm							

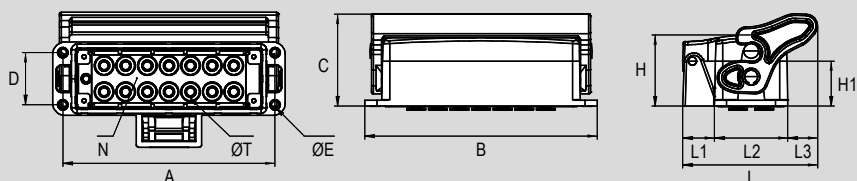
Standard materials

Series	A..
Body	Ixef 1022
Innest holder base	Ixef 1023
Lever	Ixef 1022
Tube guide	Nylon (PA6)
Push-in fittings	Series R (see page 4.3.1)
Seals	NBR

Standard dimensions



Code	Item	Symbol	T (ØTubes)	N (N°Tubes)	A	B	B1	C	C1	C2	C3	D	E	H	L	ØM	Weight (g)
025008	A013P-6-6		6x4	6	95	125	163	45	89	26	18	32	82,5	28,5	87	4,5	645
025009	A013P-8-4		8x6	4	95	125	163	45	89	26	18	32	82,5	28,5	87	4,5	594
025001	A113P-4-12		4x2,5	12	115,5	125	163	45	89	26	18	32	103	28,5	87	4,5	612
025003	A113P-6-10		6x4	10	115,5	125	163	45	89	26	18	32	103	28,5	87	4,5	719
025004	A113P-8-8		8x6	8	115,5	125	163	45	89	26	18	32	103	28,5	87	4,5	656
025021	A213P-4-20		4x2,5	20	142,5	125	163	45	89	26	18	32	130	28,5	87	4,5	828
025022	A213P-6-14		6x4	14	142,5	125	163	45	89	26	18	32	130	28,5	87	4,5	923
025033	A213P-8-10		8x6	10	142,5	125	163	45	89	26	18	32	130	28,5	87	4,5	801

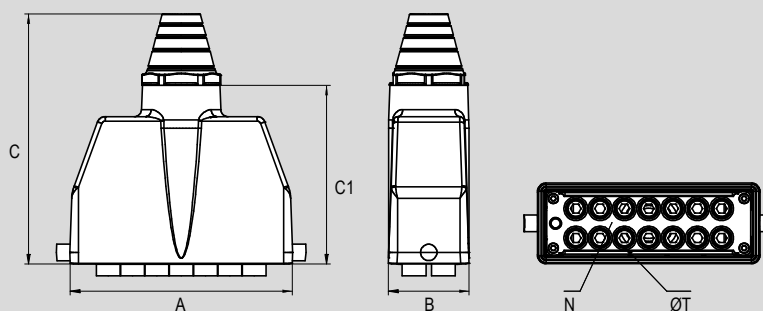


Description

Socket with cover for multiple connector, available in two different size and various configurations.

Dimensions

Code	Item	Symbol	T (ØTubes)	N (N°Tubes)	A	B	C	D	ØE	L	L1	L2	L3	H	H1	Weight (g)
025051	Socket for A013P-6-6		6	6	82,5	95	56	32	4,5	83	19	45	18	87	28,5	285
025052	Socket for A013P-8-4		8	4	82,5	95	56	32	4,5	83	19	45	18	87	28,5	272
025039	Socket for A113P-4-12		4	12	103	115	56	32	4,5	83	19	45	18	87	28,5	302
025031	Socket for A113P-6-10		6	10	103	115	56	32	4,5	83	19	45	18	87	28,5	342
025027	Socket for A113P-8-8		8	8	103	115	56	32	4,5	83	19	45	18	87	28,5	309
025041	Socket for A213P-4-20		4	20	130	142,5	56	32	4,5	83	19	45	18	87	28,5	411
025048	Socket for A213P-6-14		6	14	130	142,5	56	32	4,5	83	19	45	18	87	28,5	436
025035	Socket for A213P-8-10		8	10	130	142,5	56	32	4,5	83	19	45	18	87	28,5	369



Description

Plug for multiple connector, available in two different size and various configurations.

Dimensions

Code	Item	Symbol	T (ØTubes)	N (N°Tubes)	A	B	C	C1	Weight (g)
025049	Plug for A013P-6-6		6	6	73	44	136	97	364
025053	Plug for A013P-8-4		8	4	73	44	136	97	330
025038	Plug for A113P-4-12		4	12	94	44	136	97	318
025040	Plug for A113P-6-10		6	10	94	44	136	97	339
025025	Plug for A113P-8-8		8	8	94	44	136	97	355
025037	Plug for A213P-4-20		4	20	121	44	136	97	425
025032	Plug for A213P-6-14		6	14	121	44	136	97	495
025034	Plug for A213P-8-10		8	10	121	44	136	97	432

COLLECTORS



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery

Main features and certifications

Collectors in anodized aluminium, available in different configurations, sizes and thread.
Supplied as standard in compliance to Reach and RoHS directives.



Series RX

from page 4.60.10



Series of collectors with cross outlets. Sizes from 1/8" to 1/2".

Series RY

from page 4.60.20



Series of collectors with outlets on one side.

Series RZ

from page 4.60.30



Series of collectors with outlets on both sides.

Series RR

from page 4.60.40



Series of collectors with push-in fitting outlets on one side. Sizes 1/4" and 3/8", with tube from Ø 4 to Ø 10.

Main features

Type	Description
RX	Collectors with cross outlets.



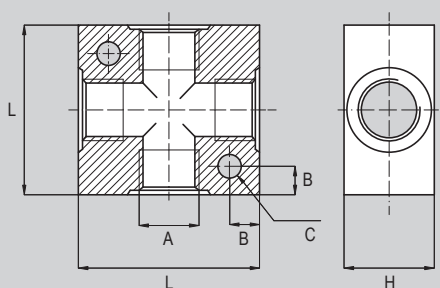
Technical data

Type	RX			
Fluid	Compressed air and other fluids			
Connections	1/8"	1/4"	3/8"	1/2"
Pressure range	Always higher than the ones used in pneumatic installations			
Parallel threads	UNI - ISO 228 / 1 (BSP)			

Standard materials

Type	RX			
Body	Anodized aluminium			

Dimensions



Code	Item	A	L	B	C	H	Weight (g)
024501	RX8	G1/8"	25	4	4,5	16	-
024502	RX4	G1/4"	40	7	5,5	20	-
024503	RX3	G3/8"	40	7	5,5	25	-
024504	RX2	G1/2"	50	8	5,5	30	-

Main features

Type	Description
RY	Collectors with outlets on one side.



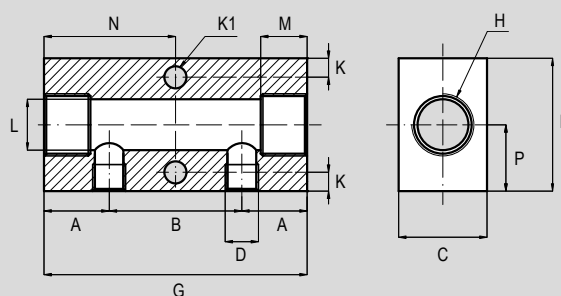
Technical data

Type	RY									
Fluid	Compressed air and other fluids									
Connections (inlet)	1/4"					3/8"				
Connections (outlet)	1/8"					1/4"				
Side outlets number	2	3	4	5	6	3	4	5	6	
Pressure range	Always higher than the ones used in pneumatic installations									
Parallel threads	UNI - ISO 228 / 1 (BSP)									

Standard materials

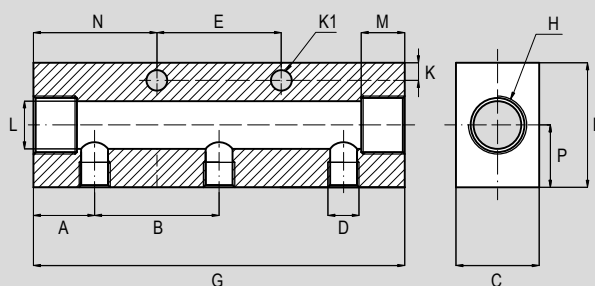
Type	RY									
Body	Anodized aluminium									

Dimensions



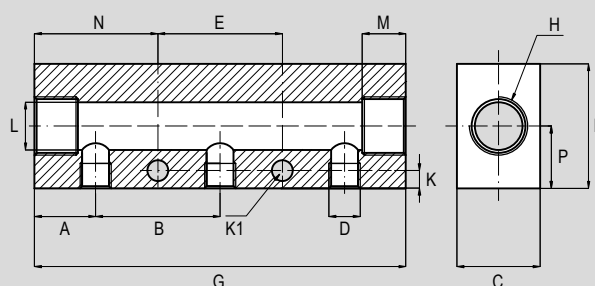
Code	Item	N° side outlets	A	B	C	D	F	G	H	K	K1	L	M	N	P	Weight (g)
024529	RY9	2	15	30	20	G1/8"	30	60	G1/4"	6	6,5	10	9,5	30	15	-

Dimensions



Code	Item	N° side outlets	A	B	C	D	E	F	G	H	K	K1	L	M	N	P	Weight (g)
024521	RY1	3	15	30	20	G1/8"	30	30	90	G1/4"	5	5,5	10	9,5	30	15	-
024522	RY2	4	15	30	20	G1/8"	60	30	120	G1/4"	5	5,5	10	9,5	30	15	-
024523	RY3	5	15	30	20	G1/8"	90	30	150	G1/4"	5	5,5	10	9,5	30	15	-
024524	RY4	6	15	30	20	G1/8"	120	30	180	G1/4"	5	5,5	10	9,5	30	15	-

Dimensions



Code	Item	N° side outlets	A	B	C	D	E	F	G	H	K	K1	L	M	N	P	Weight (g)
024525	RY5	3	18	36	20	G1/4"	36	30	108	G3/8"	6	6,5	12	10,5	36	19	-
024526	RY6	4	18	36	20	G1/4"	72	30	144	G3/8"	6	6,5	12	10,5	36	19	-
024527	RY7	5	18	36	20	G1/4"	108	30	180	G3/8"	6	6,5	12	10,5	36	19	-
024528	RY8	6	18	36	20	G1/4"	144	30	216	G3/8"	6	6,5	12	10,5	36	19	-

Main features

Type	Description
RZ	Collectors with outlets on both sides.



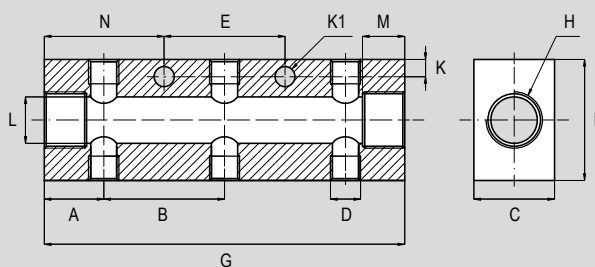
Technical data

Type	RZ							
Fluid	Compressed air and other fluids							
Connections (inlet)	1/4"				3/8"			
Connections (outlet)	1/8"				1/4"			
Side outlets number	2+2	3+3	4+4	5+5	2+2	3+3	4+4	5+5
Pressure range	Always higher than the ones used in pneumatic installations							
Parallel threads	UNI - ISO 228 / 1 (BSP)							

Standard materials

Type	RZ
Body	Anodized aluminium

Dimensions



Code	Item	N° side outlets	A	B	C	D	E	F	G	H	K	K1	L	M	N	Weight (g)
024551	RZ1	2+2	16	30	20	G1/8"	0	30	62	G1/4"	6	6,5	10	9,5	31	-
024552	RZ2	3+3	15	30	20	G1/8"	30	30	90	G1/4"	5	5,5	10	9,5	30	-
024553	RZ3	4+4	15	30	20	G1/8"	60	30	120	G1/4"	5	5,5	10	9,5	30	-
024554	RZ4	5+5	15	30	20	G1/8"	90	30	150	G1/4"	5	5,5	10	9,5	30	-
024555	RZ5	2+2	18	36	20	G1/4"	28	40	72	G3/8"	6	6,5	12	10,5	36	-
024556	RZ6	3+3	18	36	20	G1/4"	36	40	108	G3/8"	6	6,5	12	10,5	36	-
024557	RZ7	4+4	18	36	20	G1/4"	72	40	144	G3/8"	6	6,5	12	10,5	36	-
024558	RZ8	5+5	18	36	20	G1/4"	108	40	180	G3/8"	6	6,5	12	10,5	36	-

Main features

Type	Description
RR	Collectors with push-in fitting outlets on one side.



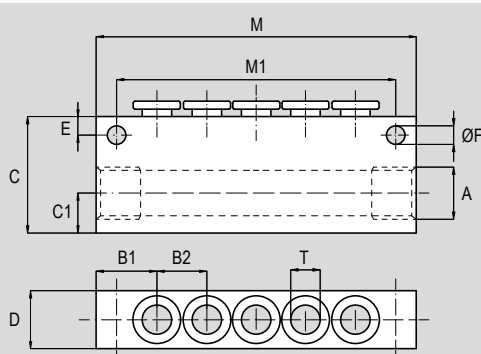
Technical data

Type	RR		
Fluid	Compressed air and other fluids		
Connections (inlet)	1/4"		3/8"
Connections (outlet)	Ø 4	Ø 6	Ø 8
Side outlets number	6	5	4
Pressure range	0 ÷ 12 bar		
Parallel threads	UNI - ISO 228 / 1 (BSP)		
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11) .		
Tubes tolerance	±0,05 mm		

Standard materials

Type	RR
Body	Anodized aluminium
Push-in fitting connections	Acetalic resin (POM)

Dimensions



Code	Item	N° side outlets	A	T (ØTube)	B1	B2	C	C1	D	E	ØF	M	M1	Weight (g)
024570	RR46	6	G1/4"	4	14	11	30	10	20	5	4,5	83	73	111,7
024571	RR65	5	G1/4"	6	15,5	13	30	10	20	5	4,5	83	73	104,1
024572	RR84	4	G3/8"	8	17,5	16	30	10	20	5	4,5	83	73	99,3

Notes

TUBES

tube cutters, blow guns, washers



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Tubes and accessories for pneumatic systems.
Supplied as standard in compliance to Reach and RoHS directives.



Flexible linear tubes and spirals

from page 4.65.10



Series of flexible linear tubes and spirals for pneumatic systems, available in different materials, sizes and colors, according to application and fitting need. Multi-tube version, linear or spiral, available on request.

Spatter resistant tubes

from page 4.65.20



Series of single and double layer spatter resistant tubes, designed for welding.

Tube cutters

from page 4.65.50



Series of tube cutters and tube peeling in different materials, sizes and colors. Replacing blades available.

Blow guns

from page 4.65.70



Series of blow guns for compressed air, industrial use, in different materials and configurations.

Washers

from page 4.65.90



Series of washers for parallel (BSP) male threads, for tightening on female thread, in different materials and sizes. Special sizes available on request.



Code key

Type ⁽¹⁾	Diameter ⁽¹⁾	Color ⁽¹⁾
TR	8X6	NE

TR = Linear in Rilsan (PA12)
SR = Spiral without straight terminals in Rilsan (PA11)
TPU = Linear in Polyurethane (PU)
SPU = Spiral with straight terminals in Polyurethane (PU)
TP = Linear in Polyethylene (PE)
TN = Linear in Nylon (PA6)
TT = Linear in PTFE

4x2 = Ø 4x2 mm
4x2,5 = Ø 4x2,5 mm
4x2,7 = Ø 4x2,7 mm
5x3 = Ø 5x3 mm
6x4 = Ø 6x4 mm
8x5,5 = Ø 8x5,5 mm
8x6 = Ø 8x6 mm
10x6,5 = Ø 10x6,5 mm
10x8 = Ø 10x8 mm
12x8 = Ø 12x8 mm
12x9 = Ø 12x9 mm
12x10 = Ø 12x10 mm
14x10 = Ø 14x10 mm
14x12 = Ø 14x12 mm
15x12 = Ø 15x12 mm
15x12,5 = Ø 15x12,5 mm
16x14 = Ø 16x14 mm

NT = Neutral
AZ = Azure
NE = Black

How to order

Series	Size	Color
TR	8X6	NE

Notes

The options in the same grind are alternative to each others. For standard materials see page 4.65.13.

(1) For matching between tube type, diameter and color, see tables from page 4.65.11

Different tube types, sizes and colors available on request.

Type / diameter matching

Diameter mm	Type							Data sheet and code page
	TR 	SR	TPU 	SPU	TP	TN	TT	
Ø 4x2	●	●	● 	-	●	●	●	4.65.13
Ø 4x2,5	● 	●	●	-	●	●	●	
Ø 4x2,7	●	-	-	-	-	-	-	
Ø 5x3	●	-	●	-	●	●	●	
Ø 6x4	● 	●	● 	●	●	●	●	
Ø 8x5,5	-	-	● 	●	-	-	-	
Ø 8x6	● 	●	●	-	●	●	●	
Ø 10x6,5	-	-	●	●	-	-	-	
Ø 10x8	● 	●	● 	-	●	●	●	
Ø 12x8	-	-	●	●	-	-	-	
Ø 12x9	-	-	● 	-	-	-	●	
Ø 12x10	● 	●	-	-	●	●	●	
Ø 14x10	-	-	●	-	●	-	●	
Ø 14x12	●	-	-	-	-	●	●	
Ø 15x12	●	-	-	-	●	●	-	
Ø 15x12,5	-	-	-	-	-	-	●	
Ø 16x14	●	-	-	-	-	●	-	

Key

● available matching; - not available matching

Type / color matching

Color		Type								
		TR 		SR	TPU 	SPU	TP	TN		TT
		Øe4÷Øe12	Øe14÷Øe16	Øe4÷Øe14	Øe4÷Øe14	Øe4÷Øe12	Øe4÷Øe15	Øe4÷Øe12	Øe14÷Øe16	Øe4÷Øe15
NT	 Neutral	● 	●	-	●	-	●	●	●	●
AZ	 Azure	●	-	●	● 	●	-	-	-	-
NE	 Black	●	●	-	● 	-	●	●	-	-

Key
● available matching; - not available matching

Other colors

In addition to the standard colors in the table above, the colors below are available on request. For possible color matching with tube types and sizes, please contact the sales department.
For bulk quantities, are also available additional colors, always depending on the possibility of matching with the chosen tube type and size.

RO	 Red	GI	 Yellow	VE	 Green	VI	 Purple
BL	 Blue	AR	 Orange	GR	 Grey	TR	 Transparent

Technical data

Type		TR..	SR..	TPU..	SPU..	TP..	TN..	TT..	
Material		Rilsan (PA12)	Rilsan (PA11)	Polyurethane (PU)		Polyethylene (PE)	Nylon (PA6)	PTFE	
Version		Linear	Spiral (without straight terminals)	Linear	Spiral (with straight terminals)	Linear			
Fluid		Compressed air							
Temperature range		-40°C ÷ +80°C		-40°C ÷ +60°C		-10°C ÷ +60°C	-10°C ÷ +80°C	-60°C ÷ +260°C	
Tolerances	Ø ≤ 10 mm	±0,05		±0,07		±0,05		±0,16	
	Ø ≥ 12 mm	±0,1						±0,30	
Pressure range at 20°C	Ø 4x2	0 ÷ 44 bar		0 ÷ 22 bar	-	0 ÷ 21 bar	0 ÷ 55 bar	0 ÷ 25 bar	
	Ø 4x2,5	0 ÷ 30 bar		0 ÷ 15 bar		0 ÷ 14 bar	0 ÷ 38 bar	0 ÷ 17 bar	
	Ø 4x2,7	0 ÷ 25 bar	-						
	Ø 5x3	0 ÷ 33 bar	-	0 ÷ 16 bar	-	0 ÷ 15 bar	0 ÷ 41 bar	0 ÷ 19 bar	
	Ø 6x4	0 ÷ 26 bar		0 ÷ 13 bar		0 ÷ 12 bar	0 ÷ 33 bar	0 ÷ 15 bar	
	Ø 8x5,5	-		0 ÷ 12 bar		-			
	Ø 8x6	0 ÷ 19 bar		0 ÷ 11 bar	-	0 ÷ 9 bar	0 ÷ 23 bar	0 ÷ 10 bar	
	Ø 10x6,5	-		0 ÷ 14 bar		-			
	Ø 10x8	0 ÷ 14 bar		0 ÷ 8 bar	-	0 ÷ 7 bar	0 ÷ 18 bar	0 ÷ 8 bar	
	Ø 12x8	-		0 ÷ 13 bar		-			
	Ø 12x9	-		0 ÷ 9 bar	-				0 ÷ 10 bar
	Ø 12x10	0 ÷ 12 bar		-		0 ÷ 5 bar	0 ÷ 15 bar	0 ÷ 6 bar	
	Ø 14x10	-		0 ÷ 11 bar		0 ÷ 10 bar	-		
	Ø 14x12	0 ÷ 10 bar	-					0 ÷ 12 bar	0 ÷ 5 bar
	Ø 15x12	0 ÷ 14 bar	-			0 ÷ 7 bar	0 ÷ 18 bar	-	
	Ø 15x12,5	-							0 ÷ 6 bar
	Ø 16x14	0 ÷ 8 bar	-					0 ÷ 11 bar	-
Rolls	Ø 4÷10	100 mt.		100 mt.		100 mt.	100 mt.	100 mt.	
	Ø 12	50 mt.		100 mt.		100 mt.	100 mt.	100 mt.	
	Ø 14÷16	50 mt.		100 mt.		100 mt.	50 mt.	100 mt.	

Main features

Series	Description	Diameter mm	Code	Item
FS	Single layer spatter resistant tubes	Ø 4x2,5	841001	FS4x2,5NE
		Ø 6x4	841011	FS6x4NE
		Ø 8x5,5	841021	FS8x5,5NE
		Ø 10x7	841031	FS10x7NE
		Ø 12x8,5	841041	FS12x8,5NE



Technical data

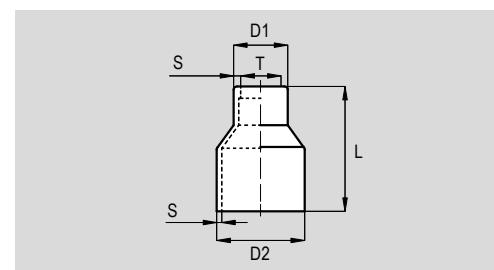
Type		FS				
Size		Ø 4x2,5	Ø 6x4	Ø 8x5,5	Ø 10x7	Ø 12x8,5
Fluid		Compressed air, water, oil				
Temperature range	Air	-40°C ÷ +100°C				
	Water	0°C ÷ +70°C				
	Oil	-40°C ÷ +80°C				
Pressure range		0 ÷ 10 bar		0 ÷ 9 bar		
Rolls		100 mt.				

Notes

Cap series CP (to be ordered separately, see the data sheet below) are required as protection to prevent welding slag from settling between fitting and tube. Fittings series R are recommended, see page 4.3.1.

Main features

Series	Description
CP	Cap for spatter resistant tubes series FS



Dimensions

Code	Item	T (ØTube)	L	D1	D2	S	Weight (g)
841095	CP4	4	20	4,5	9,5	1,2	-
841096	CP6	6	24	6	12,3	1,2	-
841097	CP8	8	26	8	14,3	1,2	-
841098	CP10	10	30	10	17,3	1,2	-
841099	CP12	12	31	12	19,8	1,2	-

Main features

Series	Description	Diameter mm	Code	Item
FW	Double layer spatter resistant tubes	Ø 6x4	841101	FW6x4NE
		Ø 8x4	841102	FW8x6NE
		Ø 10x7,5	841103	FW10x7,5NE
		Ø 12x9	841104	FW12x9NE



Technical data

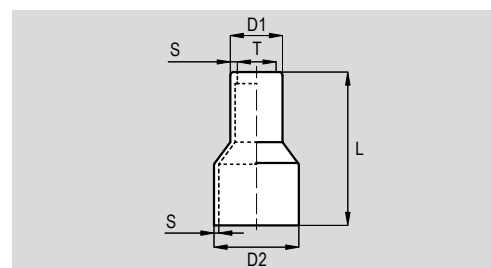
Type		FW			
Size		Ø 6x4	Ø 8x6	Ø 10x7,5	Ø 12x9
Fluid		Compressed air, water, oil			
Temperature range	Air	-40°C ÷ +100°C			
	Water	0°C ÷ +70°C			
	Oil	-40°C ÷ +80°C			
Pressure range		0 ÷ 10 bar	0 ÷ 8 bar		
Cover thickness		1 mm			
Compliance	internal tube	V-2 UL94			
	external tube	V-0 UL94			
Rolls		100 mt.			50 mt.

Notes

The external layer have to be removed using the peeler type TSC, see page 4.65.50.
Cap series CPFW (to be ordered separately, see the data sheet below) are required as protection to prevent welding slag from settling between fitting and tube.
Fittings series R are recommended, see page 4.3.1.

Main features

Series	Description
CPFW	Cap for spatter resistant tubes seires FW

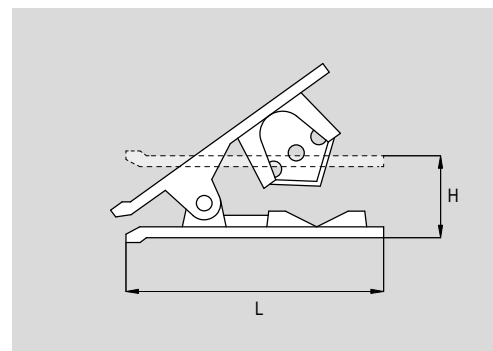


Dimensions

Code	Item	T (ØTube)	L	D1	D2	S	Weight (g)
844961	CPFW6	6	32	8	12,3	1,2	-
844962	CPFW8	8	34	10	14,3	1,2	-
844963	CPFW10	10	40	12	17,3	1,2	-
844964	CPFW12	12	41	14	19,8	1,2	-

Main features

Type	Description
PTPNE 	Black plastic tube cutter for tubes



Technical data

Type	PTPNE
Color*	Black
Tube type	Rilsan, polyurethane, polyethylene, nylon
Tube Ø	Ø 2 mm ÷ Ø 12 mm
Body material	Acetalic resin (POM)
Blade material**	Stainless Steel

*On request, for bulk quantities, available in different colors or customized.

**For replacement blades see the table below.

Dimensions

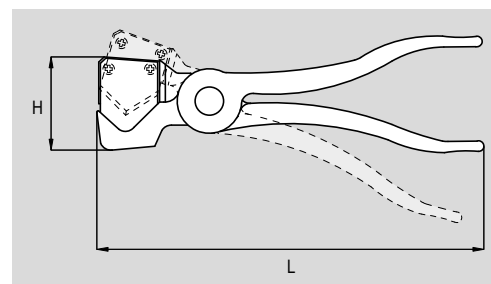
Code	Item	L	H	Weight (g)
022911	PTPNE	81	27	-

Spare parts

Code	Item	Description	Matching	Material
022910	LPTP	Replacing blades for tube cutter	PTP..	Stainless Steel

Main features

Type	Description
PTM.. 	Metal tube cutter for tubes



Technical data

Type	PTM12	PTM25
Tube type	Rilsan, polyurethane, polyethylene, nylon	
Tube Ø	Ø 2 mm ÷ Ø 12 mm	Ø 2 mm ÷ Ø 25 mm
Body material	Chrome-plated steel	
Blade material*	Steel	

Dimensions

Code	Item	L	H	Weight (g)
022981	PTM12	130	30	-
022982	PTM25	185	46	-

*For replacement blades see the table below

Spare parts

Code	Item	Description	Matching	Material
022991	LPTM12	Replacing blades for tube cutter	PTM12	Steel
022991	LPTM25	Replacing blades for tube cutter	PTM25	Steel

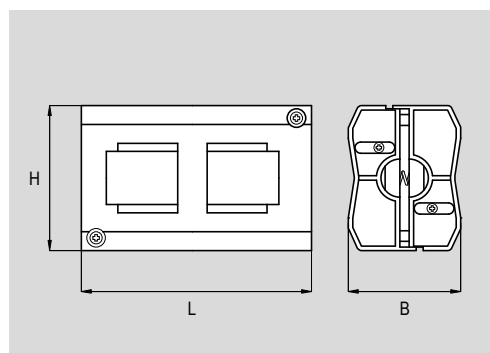
Tubes, tube cutters, blow guns and washers

Tube cutters, series TSC



Main features

Type	Description
TSC..	Peeler for double layers spatter resistant tubes



Technical data

Type	TSC8-6	TSC10-12
Color	Black	
Tube type	Series FW	
Tube Ø	Ø 6 mm ÷ Ø 8 mm	Ø 10 mm ÷ Ø 12 mm
Body material	Acetalic resin (POM)	
Blade material	Stainless Steel	

Dimensions

Code	Item	L	H	B	Weight (g)
750010	TSC8-6	75	49	39	-
750011	TSC10-12	75	49	39	-

Tubes, tube cutters, blow guns and washers

Blow guns, series AH13



Main features

Description	Code	Item
Metal blow gun. For compressed air, industrial use.	572384	AH13



Technical data

Type	AH13
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +60°C
Connection	1/4" (female)

Standard materials

Type	AH13
Body	Die-cast zamak
Nozzle	Die-cast zamak
Seals	NBR

Tubes, tube cutters, blow guns and washers

Blow guns, series AN13



Main features

Description	Code	Item
Plastic blow gun with short nozzle. For compressed air, industrial use.	570167	AN13



Technical data

Type	AN13
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +60°C
Connection	1/4" (female)

Standard materials

Type	AN13
Body	Acetalic resin (POM)
Nozzle	Brass
Seals	NBR

Tubes, tube cutters, blow guns and washers

Blow guns, series AK13



Main features

Description	Code	Item
Plastic blow gun with extension tube. For compressed air, industrial use.	570166	AK13



Technical data

Type	AK13
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +60°C
Connection	1/4" (female)

Standard materials

Type	AK13
Body	Acetalic resin (POM)
Nozzle	Brass
Seals	NBR

Main features

Description	Code	Item
Plastic blow gun with interchangeable nozzles (to be ordered separately, see table below). For compressed air, industrial use.	570168	AM13



Technical data

Type	AM13
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +60°C
Connection	1/4" (female)

Standard materials

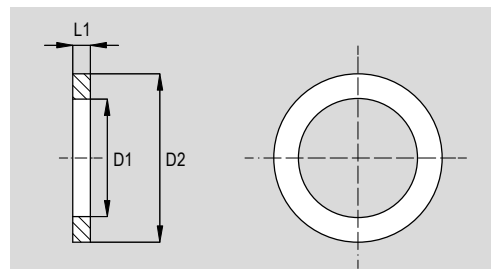
Type	AM13
Body	Acetalic resin
Nozzle	See table below
Seals	NBR

Nozzles

Type	Code	Item	Description	Materials
	AR12	570169	Silenced nozzle, noise reduced up to 63 dB.	Aluminium
	AT12	570170	Venturi Nozzle, energy saving use 2/3 of the surrounding air for better wide-range blowing.	Acetalic resin (POM)
	VR12	570171	150 mm. extended tube nozzle	Nickel-plated brass
	SD12	570172	Safety nozzle, during blowing create a protective shield against chips.	Nickel-plated brass

Main features

Type	Description
RA	Washer for parallel (BSP) male threads, for tightening on female thread. In aluminium.



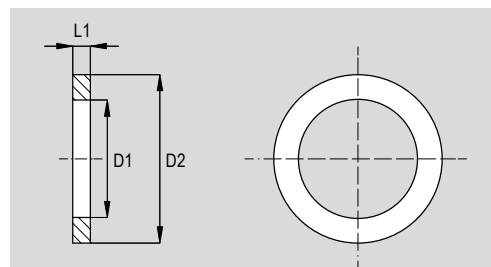
Dimensions*

Code	Item	For thread	D1 (Ø external)	D2 (Ø internal)	L1 (thickness)	Weight (g)
022630	7RA	M5	8,5	5	1	-
022621	1RA	G1/8"	14	10	1	-
022622	2RA	G1/4"	17,5	13	1,5	-
022623	3RA	G3/8"	22	17	1,5	-
022624	4RA	G1/2"	27	21	1,5	-
022625	5RA	G3/4"	32	27	1,5	-
022626	6RA	G1"	39	33	1,5	-
022628	12RA	G1 1/4"	50	42	1,5	-

*On request available with special dimensions. Please contact the sales department.

Main features

Type	Description
RN	Washer for parallel (BSP) male threads, for tightening on female thread. In Nylon (PA6).



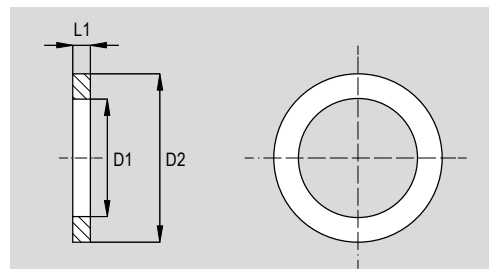
Dimensions*

Code	Item	For thread	D1 (Ø external)	D2 (Ø internal)	L1 (thickness)	Weight (g)
022670	7RN	M5	8,5	5	1	-
022661	1RN	G1/8"	14	10	1	-
022662	2RN	G1/4"	18	13	1,5	-
022663	3RN	G3/8"	22	17	1,5	-
022664	4RN	G1/2"	27	21	1,5	-
022665	5RN	G3/4"	32	27	1,5	-
022666	6RN	G1"	39	33	1,5	-

*On request available with special dimensions. Please contact the sales department.

Main features

Type	Description
RR	Washer for parallel (BSP) male threads, for tightening on female thread. In copper.



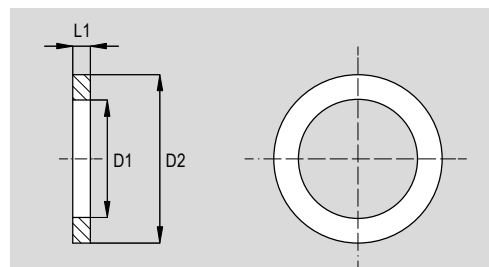
Dimensions*

Code	Item	For thread	D1 (Ø external)	D2 (Ø internal)	L1 (thickness)	Weight (g)
022650	7RR	M5	8,5	5	1	-
022641	1RR	G1/8"	14	10	1	-
022642	2RR	G1/4"	17,5	13	1,5	-
022643	3RR	G3/8"	22	17	1,5	-
022644	4RR	G1/2"	27	21	1,5	-
022645	5RR	G3/4"	32	27	1,5	-
022646	6RR	G1"	39	33	1,5	-
022647	14RR	G1 1/4"	50	42	1,5	-
022648	12RR	G1 1/2"	55	48	1,5	-
022649	20RR	G2"	70	60	1,5	-

*On request available with special dimensions. Please contact the sales department.

Main features

Type	Description
RF	Washer for parallel (BSP) male threads, for tightening on female thread. In fibra.



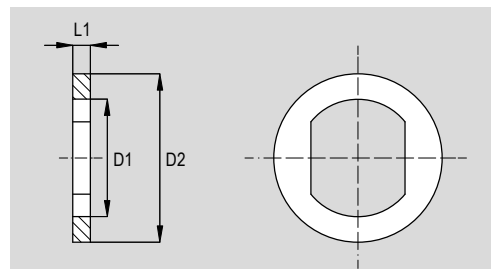
Dimensions*

Code	Item	For thread	D1 (Ø external)	D2 (Ø internal)	L1 (thickness)	Weight (g)
022690	7RF	M5	8,5	5	1	-
022681	1RF	G1/8"	14	10	1	-
022682	1RF	G1/4"	17,5	13	1,5	-
022683	3RF	G3/8"	22	17	1,5	-
022684	4RF	G1/2"	27	21	1,5	-
022685	5RF	G3/4"	32	27	1,5	-
022686	6RF	G1"	39	33	1,5	-

*On request available with special dimensions. Please contact the sales department.

Main features

Type	Description
RB	Unlosable washer (notched) for parallel (BSP) male threads, for tightening on female thread. In Nylon (PA6).



Dimensions*

Code	Item	For thread	D1 (Ø external)	D2 (Ø internal)	L1 (thickness)	Weight (g)
022695	7RB	M5	5	9	1,5	-
022691	1RB	G1/8"	10	14	2	-
022692	2RB	G1/4"	13,2	18	2	-
022693	3RB	G3/8"	17	22	2	-
022694	4RB	G1/2"	21,5	26	2,5	-

*On request available with special dimensions. Please contact the sales department.

AIR-RESERVOIRS



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Main features and certifications

Air-reservoirs and accessories for compressed air, built according to 2014/68/UE and 2014/29/UE directives in the field of pressure equipment. Supplied as standard in compliance to Reach and RoHS directives. On request, can be supplied according to 2014/34/EU ATEX directive.



Series SBCV

from page 4.70.10



Series of air-reservoirs for compressed air, available in sizes from 0,5 l. to 100 l.





Code key

Size ⁽¹⁾	Series	Connections ⁽¹⁾	/	ATEX version ⁽²⁾
24	SBCV	4	/	

05 = 0,5 lt.
1 = 1 lt.
2 = 2,5 lt.
5 = 5 lt.
7 = 7 lt.
10 = 10 lt.
12 = 12 lt.
15 = 15 lt.
24 = 24 lt.
50 = 50 lt.
100 = 100 lt.

SBCV

2 = 2 connections
4 = 4 connections

ATEX	  II 2G Ex h IIC TX Gb II 2D Ex h IIIC TX°C Db
------	---

Notes

For standard materials see the table below.

(1) For matching between size and connections see the table at page 4.70.12; for the specific type see from page 4.70.13.

(2) ATEX versions require 4 connections air-reservoirs only. One connection is necessarily used for grounding. For further information on 2014/34/EU ATEX Directive, on classifications and protections, see from page III.1

Warning: for safety use of air-reservoirs strictly follow the user manual provided with each product.

How to order

Size	Series	Connections
24	SBCV	4

How to order ATEX version

Size	Series	Connections	ATEX version
24	SBCV	4	/ ATEX

Main features

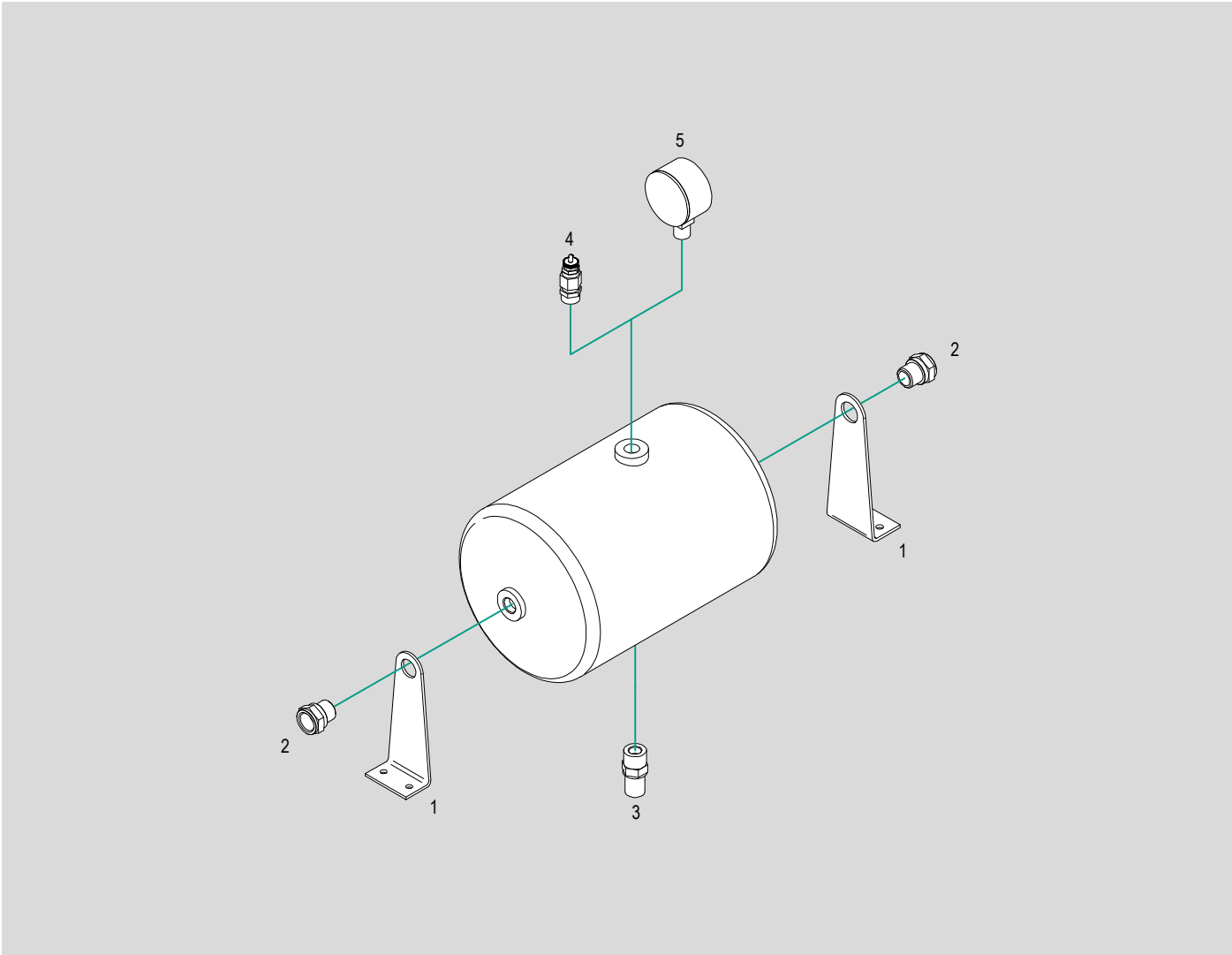
Series	SBCV
Fluid	Compressed air
Pressure range	11 bar
Pressure range (hydrostatic test)	16,5 bar
Temperature range	-10°C ÷ +60°C
Parallel threads	UNI - ISO 228/1 (BSP)
Capacity	0,5 lt. ÷ 100 lt.
Connections number	2, 4
Tolerance on dimensions*	±5 mm

Standard materials

Series	SBCV
Bottom	Steel Fe PO4
Shell	Steel Fe PO4
Socket joint	Fe 45.1
External treatment	Epoxide powder painting
Color	RAL 5015-110
Bottom/Shell welding	Wire
Bottom/Socket joint welding	Submerged arc
Shell/Socket joint welding	Submerged arc

*For dimensions see from page 4.70.13

Accessories



N.	Item	Description	Compliance	Matching		Data sheet and code page
				05SBCV ÷ 15SBCV	24SBCV ÷ 100SBCV	
1	STSB	Mounting bracket	-	●	-	4.70.100
2	PRSB	Bracket-tank connection fitting	-	●	●	
3	VCSB	Semi-automatic condense drain valve	-	●	●	
4	VS	Safety valve	-	●	●	2.256.1
	VSCC..	Fixed calibration safety valve	97/23/CE			
5	M..	Pressure-gauge	-	●	●	3.30.1

Key
● matching accessory; - not matching accessory

Air-reservoirs series SBCV

Item		Compliance	Symbol	Capacity	Parallel threads (BSP)	Connections		Data sheet and code page
						2	4	
05SBCV		Directive 2014/68/UE		0,5 lt.	1/2"	●	-	4.70.13
1SBCV		Directive 2014/68/UE		1 lt.	1/2"	●	●	4.70.14
2SBCV		Directive 2014/68/UE		2,5 lt.	1/2"	●	●	4.70.15
5SBCV		Directive 2014/68/UE		5 lt.	1/2"	●	●	4.70.16
7SBCV		Directive 2014/68/UE		7 lt.	1/2"	●	●	4.70.17
10SBCV		Directive 2014/68/UE		10 lt.	3/8", 1/2"	-	●	4.70.18
12SBCV		Directive 2014/68/UE		12 lt.	1/2"	●	●	4.70.19
15SBCV		Directive 2014/68/UE		15 lt.	3/8", 1/2"	-	●	4.70.20
24SBCV		Directive 2014/29/UE		24 lt.	3/8", 1"	-	●	4.70.21
50SBCV		Directive 2014/29/UE		50 lt.	1/2", 1"	-	●	4.70.22
100SBCV		Directive 2014/29/UE		100 lt.	1/2", 2"	-	●	4.70.23

Key

● allowed matching; - not allowed matching

Air-reservoirs

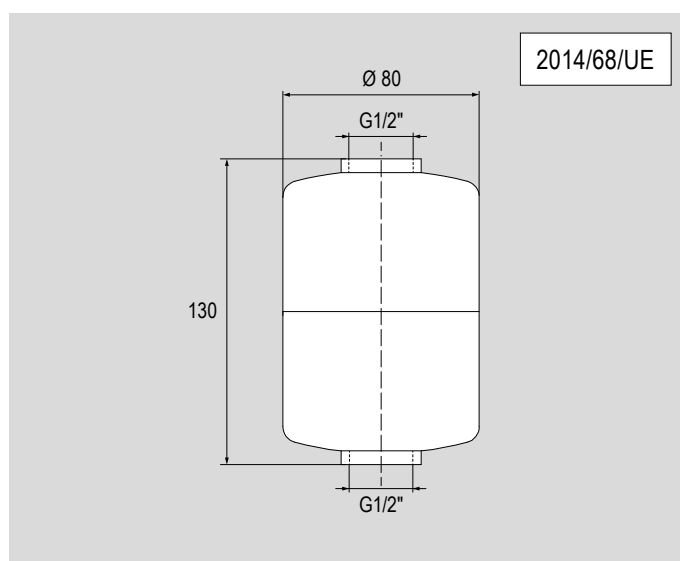
Series SBCV - 0,5 lt.



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 0,5 lt., with 2 connections.		050000	05SBCV2
			
0,5 lt.			

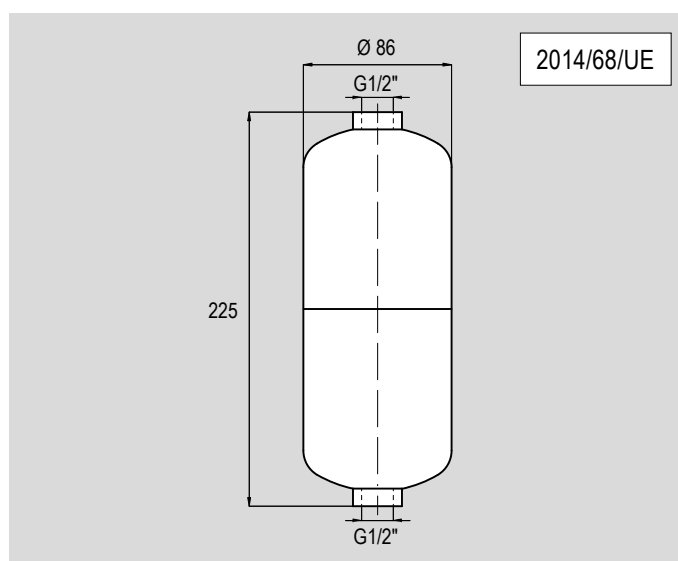
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 1 lt., with 2 connections.		050001	1SBCV2
			
			1 lt.

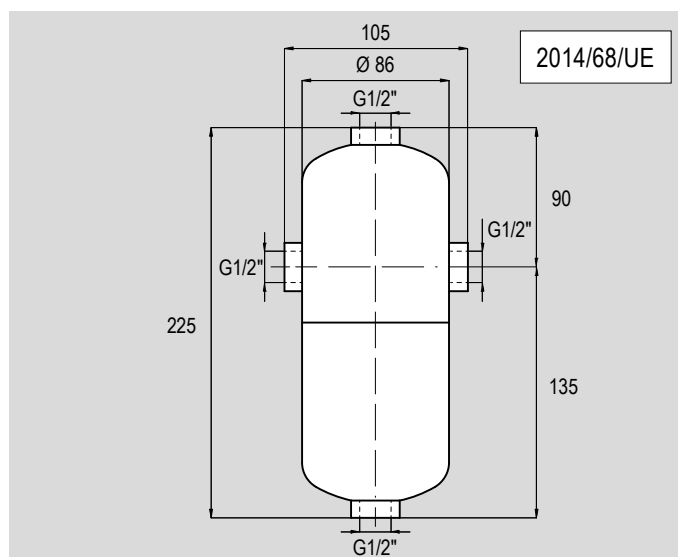
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 1 lt., with 4 connections.		050501	1SBCV4
			
			1 lt.

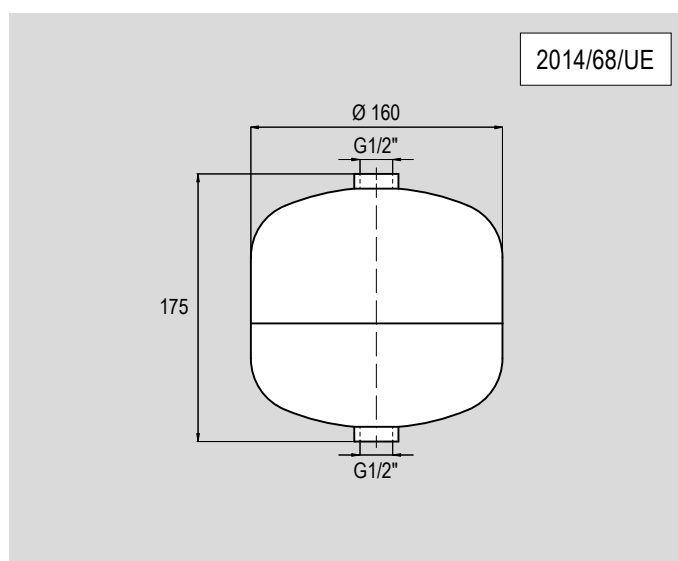
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 2,5 lt., with 2 connections.		050002	2SBCV2
			
2,5 lt.			

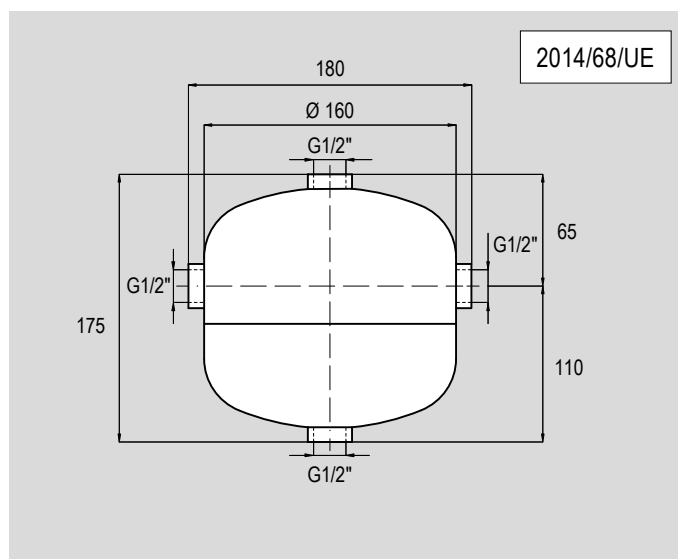
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 2,5 lt., with 4 connections.		050502	2SBCV4
			
2,5 lt.			

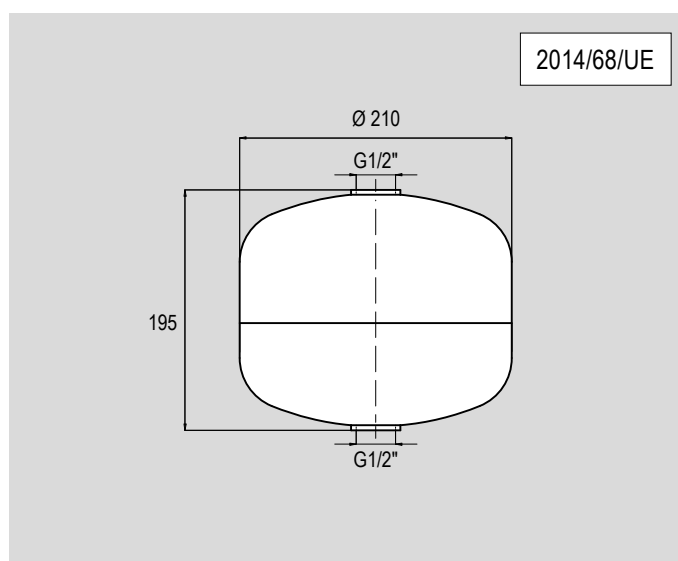
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 5 lt., with 2 connections.		050005	5SBCV2
			
5 lt.			

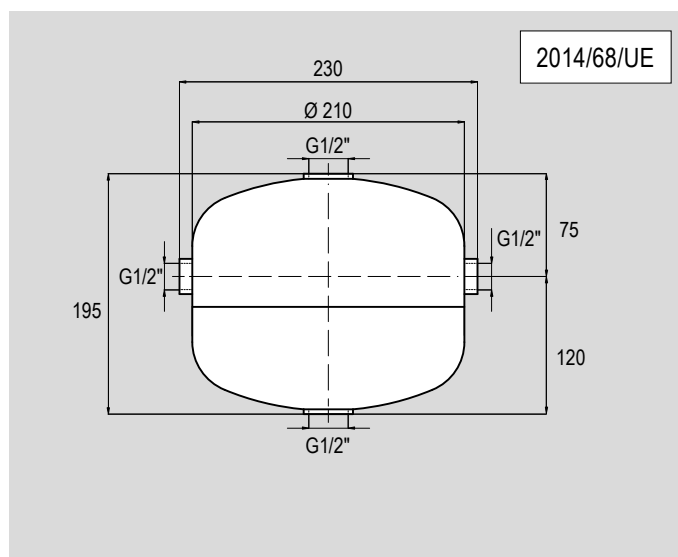
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 5 lt., with 4 connections.		050505	5SBCV4
			
5 lt.			

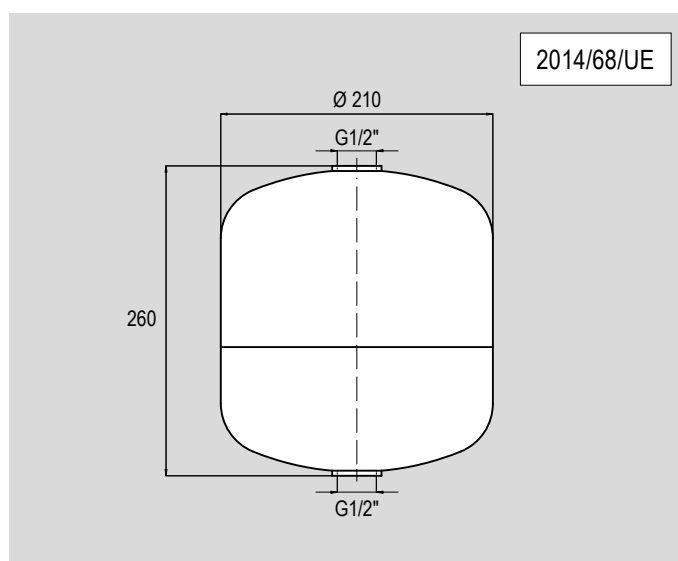
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 7 lt., with 2 connections.		050007	7SBCV2
			
7 lt.			

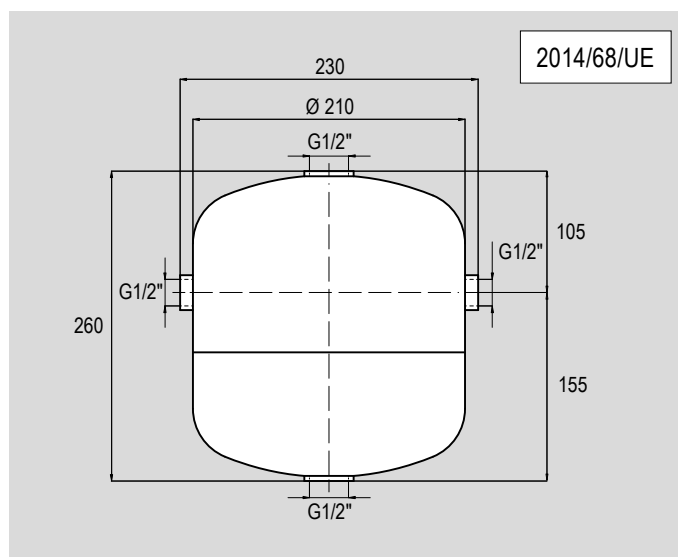
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 7 lt., with 4 connections.		050507	7SBCV4
			
7 lt.			

Dimensions



Air-reservoirs

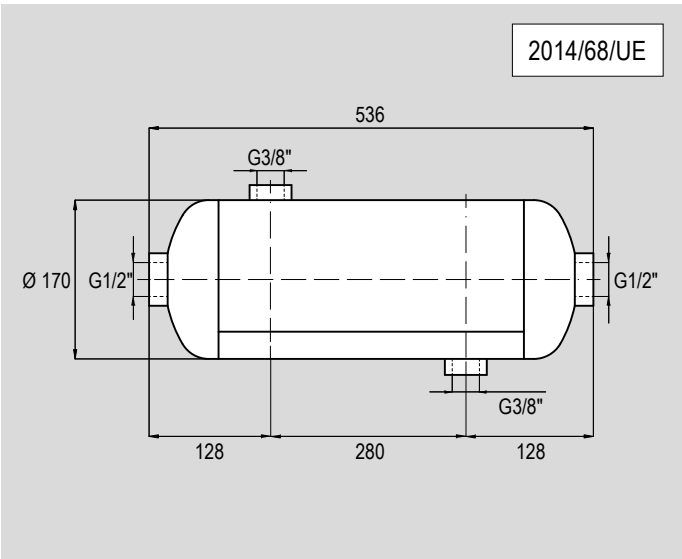
Series SBCV - 10 lt.



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 10 lt., with 4 connections.		050604	10SBCV4
 10 lt.			

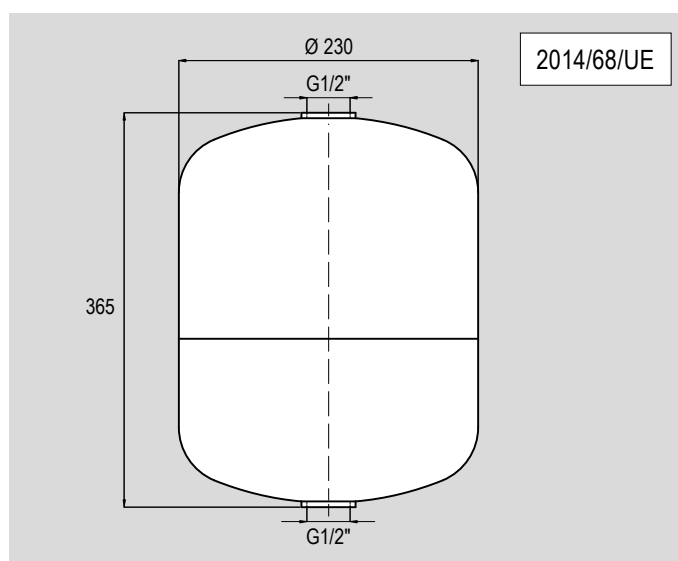
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 12 lt., with 2 connections.		050012	12SBCV2
			
			12 lt.

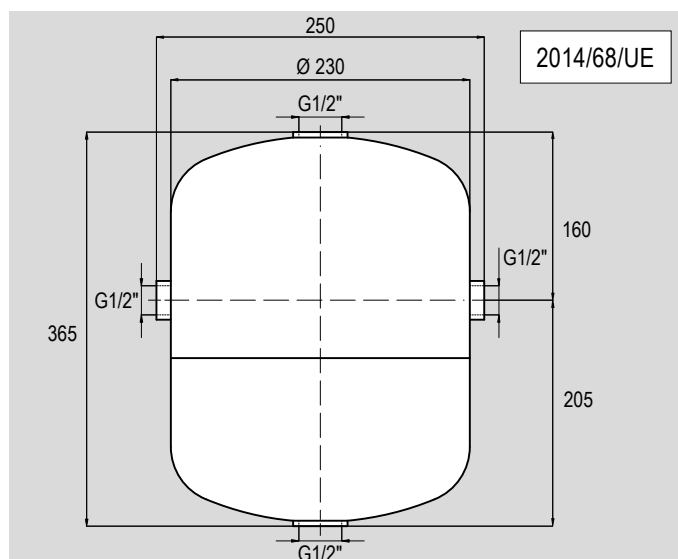
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 12 lt., with 4 connections.		050512	12SBCV4
			
			12 lt.

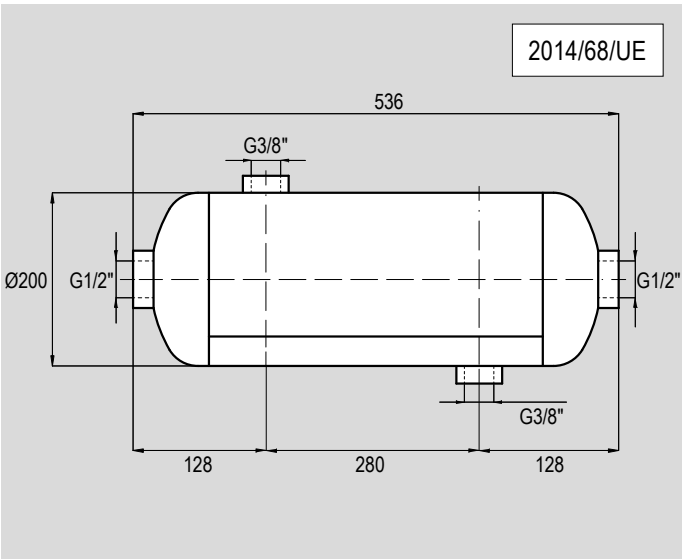
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/68/EU directive. Capacity 12 lt., with 4 connections.		050605	15SBCV4
 15 lt.			

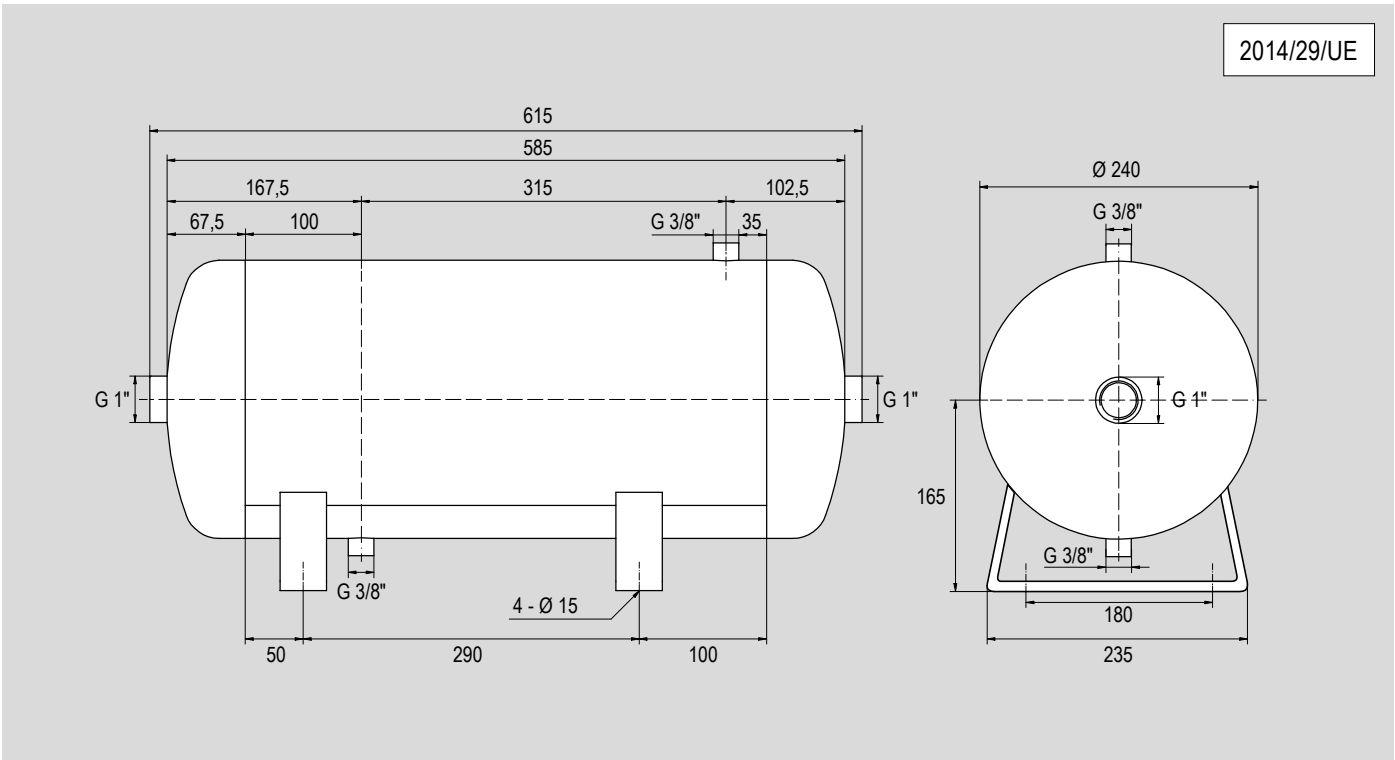
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/29/EU directive. Capacity 24 lt., with 4 connections.		050102	24SBCV4
 24 lt.			

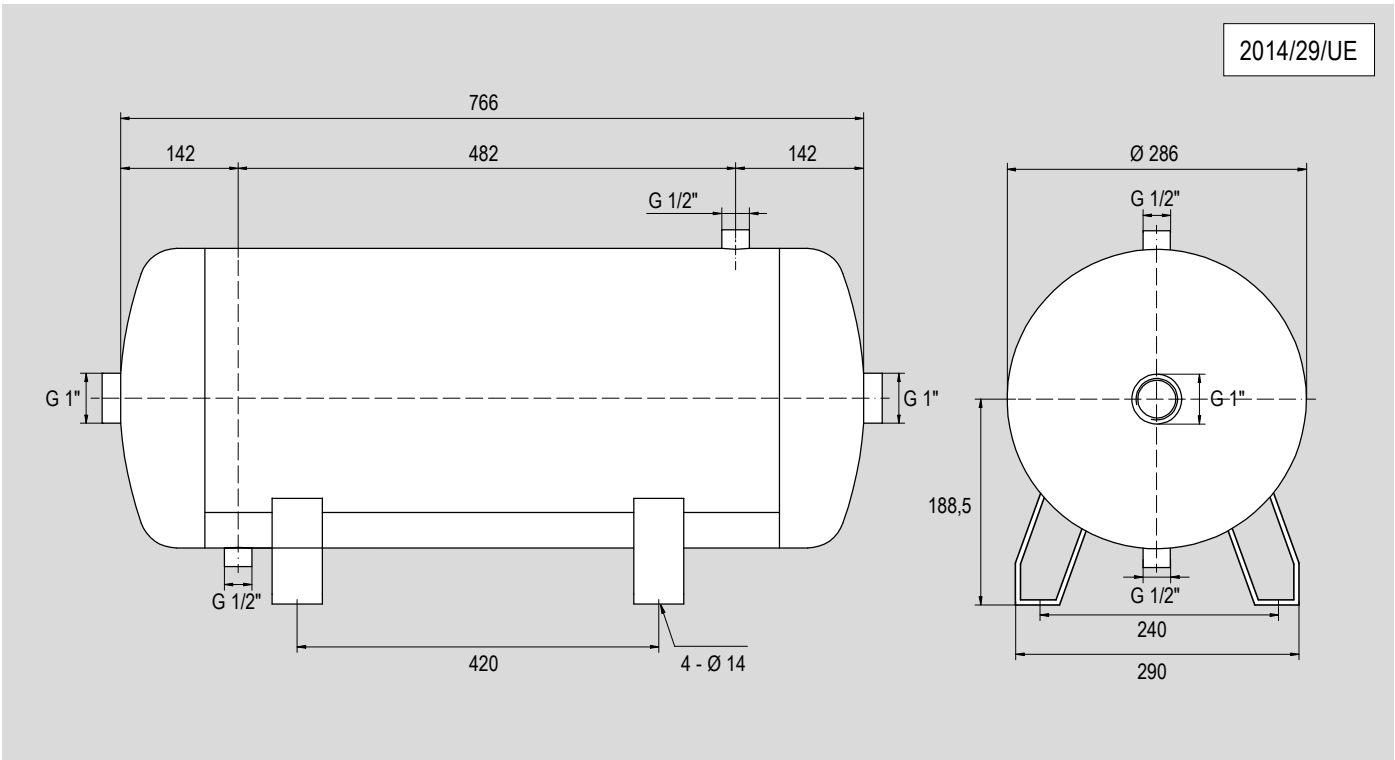
Dimensions



Main features

Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/29/EU directive. Capacity 50 lt., with 4 connections.		050101	50SBCV4
 50 lt.			

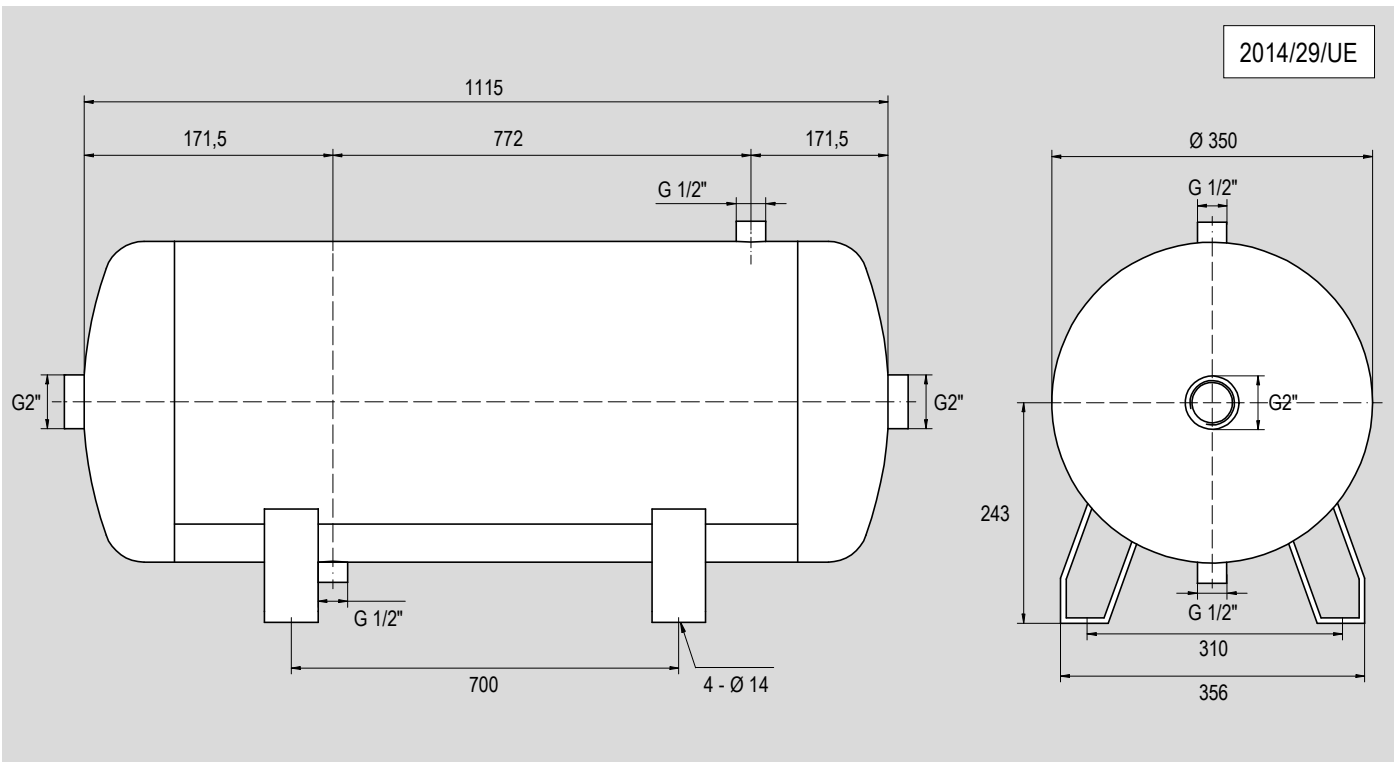
Dimensions



Main features

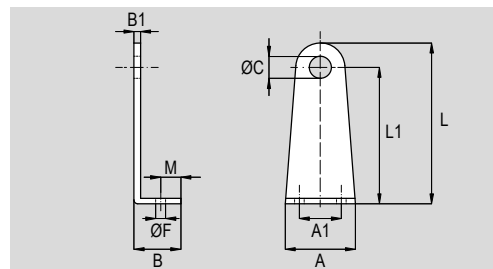
Version	Symbol	Code	Item
Air-reservoir in painted steel, built according to 2014/29/EU directive. Capacity 100 lt., with 4 connections.		050615	100SBCV4
			100 lt.

Dimensions



Main features

Type	Description
STSB	Mounting bracket. In zinc-plated steel. Mounting the bracket to the air-reservoir require the fitting type PRSB, to be ordered separately, see the data sheet below.

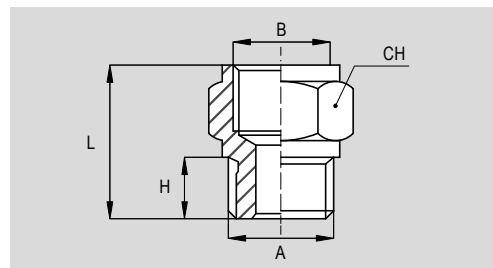


Dimensions

Code	Item	A	A1	B	B1	ØC	ØF	L	L1	M	Weight (g)
050601	STSB	59	37	36	3	21	7	150	132	15,5	-

Main features

Type	Description
PRSB	Bracket/Air-reservoir connection fitting. For sealing washers see page 4.65.1

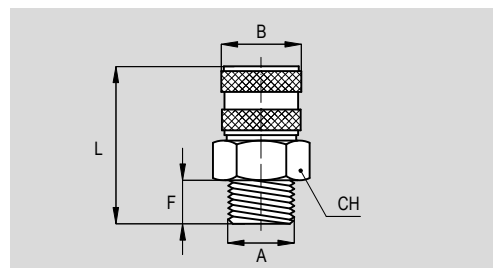


Dimensions

Code	Item	A	B	H	L	CH	Weight (g)
050603	PRSB	G1/2"	G1/2"	15	31	27	-

Main features

Type	Description
VCSB	Semi-automatic condense drain valve. In acetalic resin (POM).



Dimensions

Code	Item	A	B	F	L	CH	Weight (g)
050602	VCSB	G1/4"	16	9	25	16	-

Notes

FLOW

and exhaust regulators



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Flow and exhaust regulators. Available in different functions, versions and threads.
Supplied as standard in compliance to Reach and RoHS directives.



In-line flow regulators

from page 4.92.1



Series of in line flow regulators, available with uni-directional or bi-directional regulation.



Flow regulators for cylinders

from page 4.94.1



Series of flow regulators generally directly mounted on cylinder connections to control translation speed . Available in different functions: uni-directional with out adjustment, uni-directional with in adjustment and bi-directional with adjustment in both the directions. Use of two uni-directional out adjustment regulators is recommended for the accurate control of the cylinder speed, as they act on the outgoing flow of the cylinder chambers, and don't interfere with the incoming flow to the chambers.

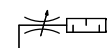


Silenced exhaust restrictors

from page 4.97.1



Series of silenced exhaust restrictors, generally used to decrease the speed and thus the translation speed of the cylinders, are usually mounted on power valve outlets or quick exhaust valves. The main feature of these regulators is to include two functions in one component: flow regulation and silencing.



Exhaust restrictors

from page 4.99.1



Series of exhaust restrictors, generally used to decrease the speed, are usually mounted on power valve outlets or quick exhaust valves.



Flow and exhaust regulators

In-line flow regulators



Code key

Series	Type	Thread ⁽¹⁾ or Tube ⁽²⁾	Thread ⁽¹⁾ or Tube ⁽²⁾	Function ⁽²⁾
V	54	08	18	U
V	52	18 = 1/8"	04 = Ø 4	U = Uni-directional
	53	14 = 1/4"	06 = Ø 6	B = Bi-directional
	54	38 = 3/8"	08 = Ø 8	
		12 = 1/2"		

How to order type V52-V53

Series	Type	Thread	Thread
V	52	18	18

How to order type V54

Series	Type	Tube	Tube	Function
V	54	06	06	U

Notes

For standard materials see the table below.

For specific type see the following page.

(1) Only for type V52 e V53

(2) Only for type V54

Technical data

Type	V52	V53	V54
Fluid	Filtered compressed air with or without lubrication		
Pressure range	0 ÷ 10 bar		
Temperature range	-20°C ÷ +70°C		
Flow	See page 4.92.2		
Parallel threads	UNI - ISO 228 / 1 (BSP)		
Tubes	-		Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)
Tubes tolerance	-		± 0,05 mm

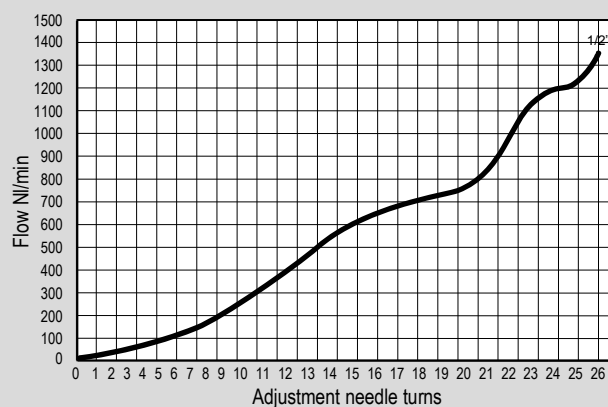
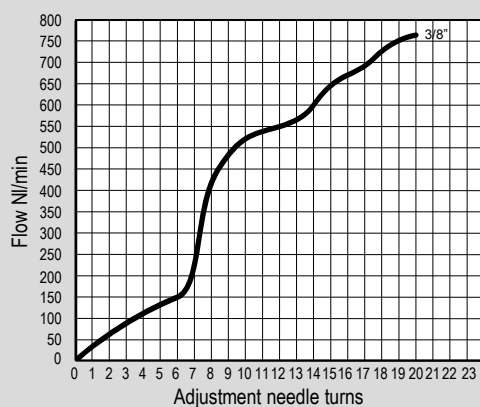
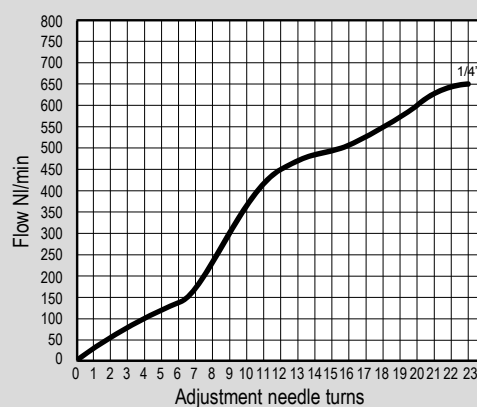
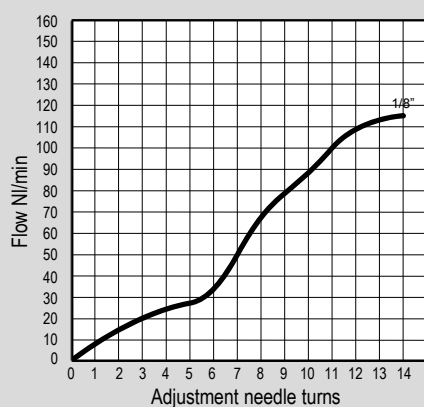
Standard materials

Type	V52	V53	V54
Body	Anodized aluminium		Acetalic resin (POM)
Regulation group	Nickel-plated brass		
Push-in connection	-		Acetalic resin (POM)
Threaded connection	Anodized aluminium		-
Seals	NBR		
Spring	Stainless Steel		

Flow diagram

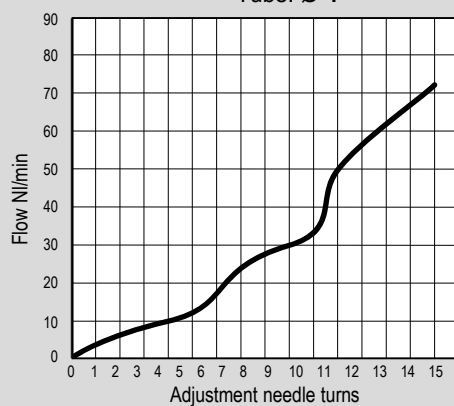
P = 6 bar, with ΔP 1 bar

Type: **V52 - V53**

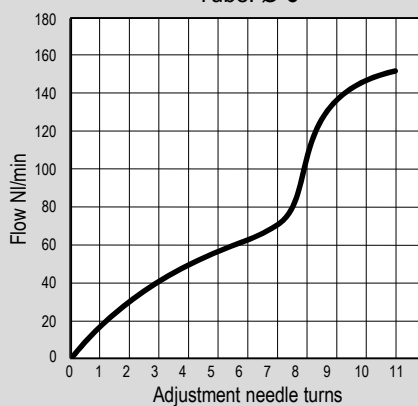


Type: **V54**

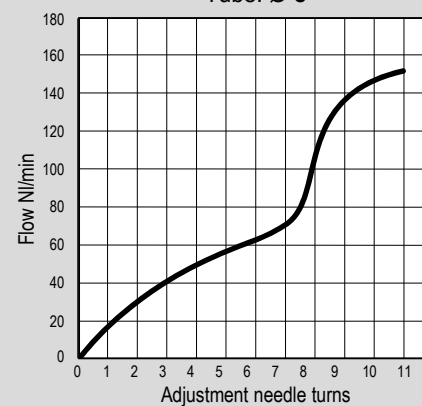
Tube: Ø 4



Tube: Ø 6



Tube: Ø 8



In-line flow regulators series V

Type			Functions	Parallel threads (BSP)	Tube Ø mm	Data sheet and code page
V52	Aluminium uni-directional in-line flow regulators			1/8", 1/4", 3/8", 1/2"	-	4.92.4
V53	Aluminium bi-directional in-line flow regulators			1/8", 1/4", 3/8", 1/2"	-	4.92.4
V54..U	Acetalic resin uni-directional in-line flow regulators			-	4, 6, 8	4.92.4
V54..B	Acetalic resin bi-directional in-line flow regulators			-	4, 6, 8	4.92.4

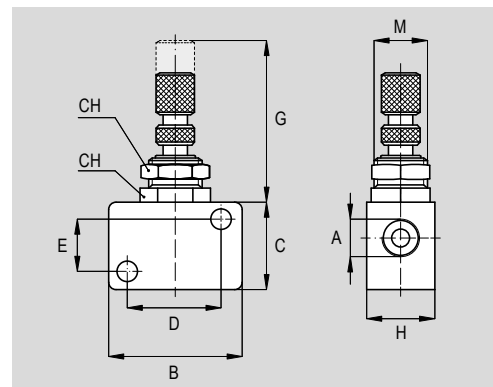
Flow and exhaust regulators

In-line flow regulators



Main features

Type	Description	Function
V52	In-line flow regulators, uni-directional, in anodized aluminium. With female female thread.	
V53	In-line flow regulators, bi-directional, in anodized aluminium. With female female thread.	

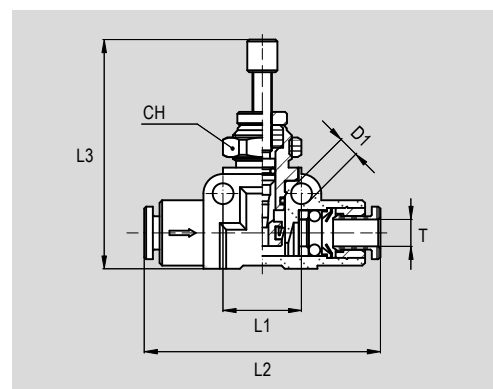


Dimensions

Code	Item	Symbol (function)	A	B	C	H	D	E	F	G	M	H	Weight (g)
030001	V521818	 (uni-directional)	G1/8"	32	22	17	23	13	4,5	35	M12	15	-
030002	V521414		G1/4"	39	32	22	30	22	4,5	35	M12	15	-
030004	V523838		G3/8"	56	42	27	43	27	6,5	43	M18	24	-
030005	V521212		G1/2"	56	42	27	43	27	6,5	43	M18	24	-
030031	V531818	 (bi-directional)	G1/8"	32	22	17	23	13	4,5	35	M12	15	-
030032	V531414		G1/4"	39	32	22	30	22	4,5	35	M12	15	-
030033	V533838		G3/8"	56	42	27	43	27	6,5	43	M18	24	-
030034	V531212		G1/2"	56	42	27	43	27	6,5	43	M18	24	-

Main features

Type	Description	Function
V54..U	In-line flow regulators, uni-directional, in acetalic resin (POM). With push-in fitting.	
V54..B	In-line flow regulators, bi-directional, in acetalic resin (POM). With push-in fitting.	



Dimensions

Code	Item	Symbol (function)	T (Øe Tube)	D1	L1	L2	L3 (max)	CH	Weight (g)
030041	V540404U	 (uni-directional)	4	3,2	13	36,4	35,9	11	11,8
030042	V540606U		6	3,2	16	47	42,3	14	24
030043	V540808U		8	3,2	16	48	43,8	14	28
030078	V540404B	 (bi-directional)	4	3,2	13	36,4	35,9	11	11,8
030079	V540606B		6	3,2	16	47	42,3	14	24
030080	V540808B		8	3,2	16	48	43,8	14	28



Code key

Series	Type ⁽¹⁾	Tube ⁽¹⁾	Thread ⁽¹⁾	Function ⁽²⁾
V	18	06	18	C
V	14, 15, 18, 19, 36, 37, 38, 39, 41	04 = Ø 4 06 = Ø 6 8 = Ø 8 10 = Ø 10	M5 = M5x0,8 18 = 1/8" 14 = 1/4" 38 = 3/8" 12 = 1/2"	C = "Out" adjustment (For cylinders) V = "In" adjustment (For valves) B = Bi-directional adjustment

How to order

Series	Type	Tube	Thread	Function
V	18	06	18	C

Notes

The options in the same grind are alternative to each others. For standard materials see the table below.

(1) For matching between type, tube and thread, see table at page 4.94.4; for specific type see the following page.

(2) For the different functions, see table at page 4.94.3

Technical data

Type	V14	V15	V41	V18	V38	V39	V19	V36	V37
Fluid	Filtered compressed air with or without lubrication								
Pressure range	0 ÷ 10 bar								
Temperature range	-20°C ÷ +70°C								
Flow	See from page 4.94.2								
Parallel threads	UNI - ISO 228 / 1 (BSP)						-	UNI - ISO 228 / 1 (BSP)	
Taper threads	-						UNI EN 10226-1 (BSPT)	-	
Metric threads	UNI EN ISO 965-1						-	UNI EN ISO 965-1	
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)								
Tubes tolerance	± 0,05 mm								

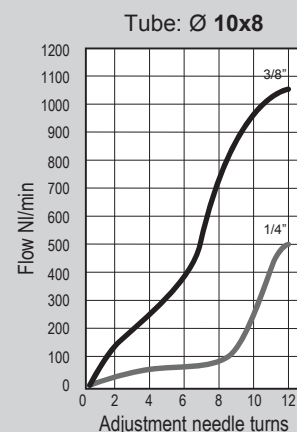
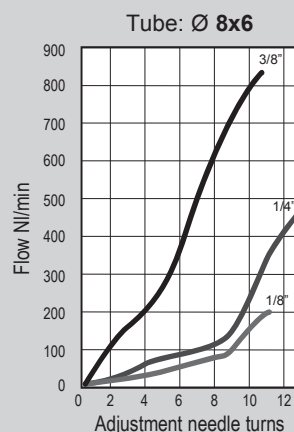
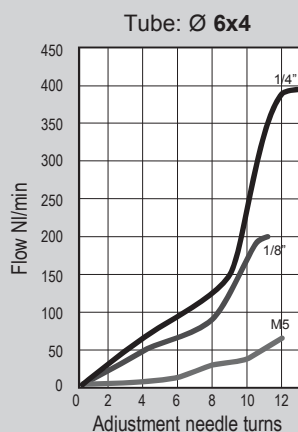
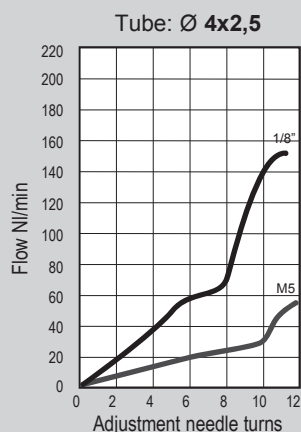
Standard materials

Type	V14	V15	V41	V18	V38	V39	V19	V36	V37
Body	Nickel-plated brass				Acetalic resin (POM)				
Needle	Nickel-plated brass								
Knob	-	Nickel-plated brass		-	Nickel-plated brass		-		
Bush	Nickel-plated brass								
Fitting	-		series R (see page 4.3.1)		series RT (see page 4.7.1)				
Washer	Nylon (PA6)		-			Nylon (PA6)	-		Nylon (PA6)
Seals	NBR								

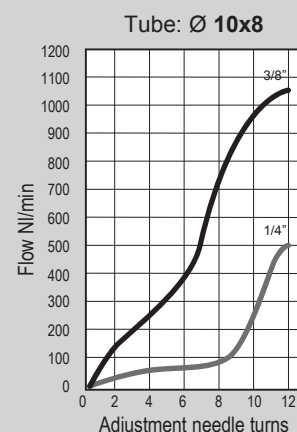
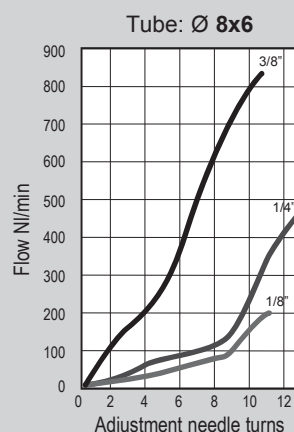
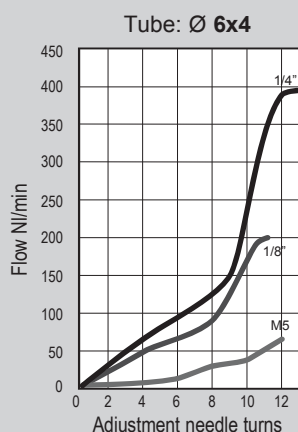
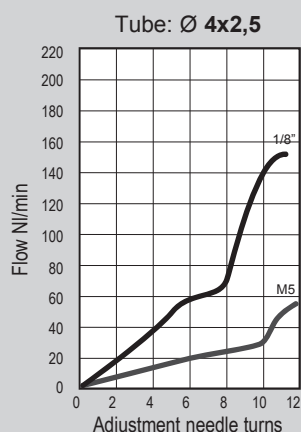
Flow diagram

P = 6 bar, with ΔP 1 bar

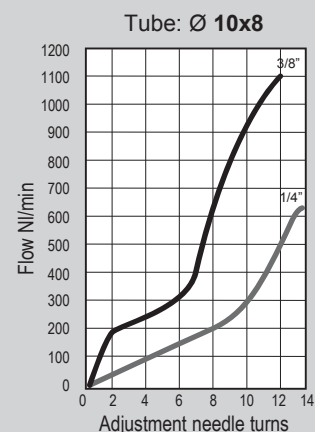
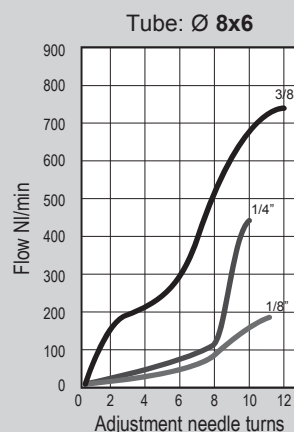
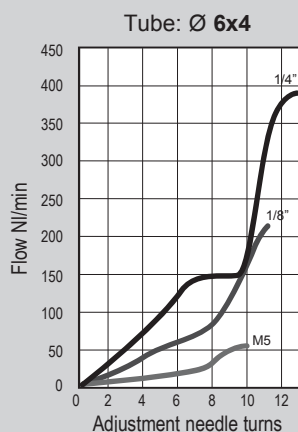
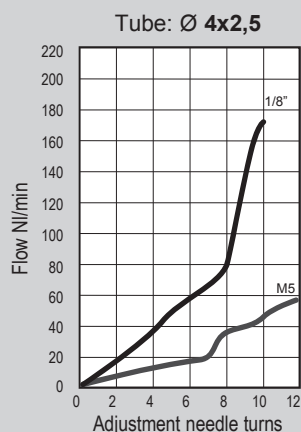
Type: V18 - V41



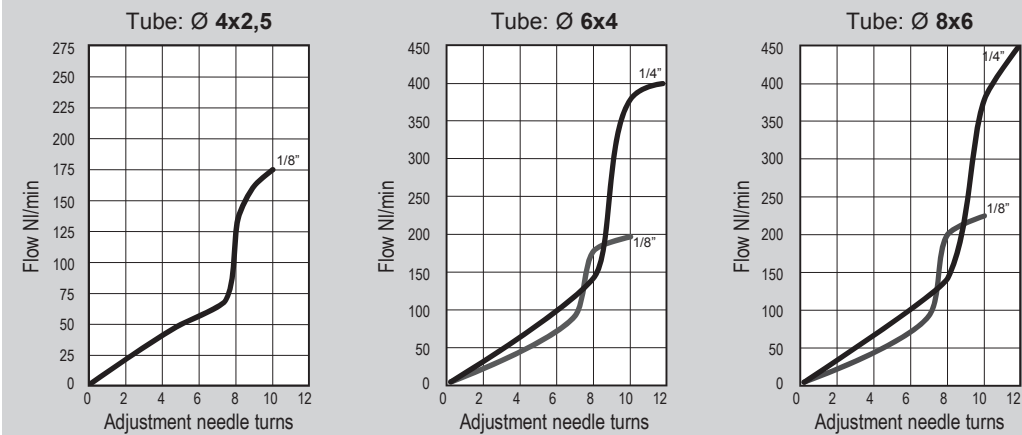
Type: V36 - V38



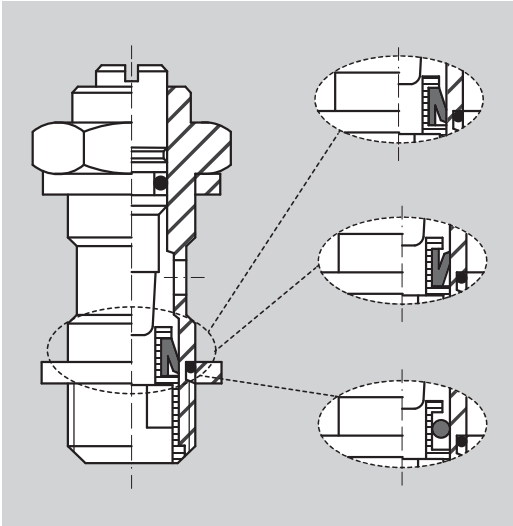
Type: V37 - V39



Type: **V19**



Functions



C		For cylinders. Function uni-directional with "out" adjustment
V		For valves. Function uni-directional with "in" adjustment
B		Bi-directional. Function bi-directional with adjustment in both directions

Flow regulators series V

Type			Functions	Taper threads (BSPT)	Parallel threads (BSP)	Metric threads	Tube Ø mm	Data sheet and code page
V15	Banjo bolt with screwdriver adjustment			-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4.94.5
V14	Banjo bolt with knob adjustment			-	1/8", 1/4", 3/8", 1/2"	M5x0,8	-	4.94.6
V18	Swivel BSP with screwdriver adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.7
V41	Swivel BSP with knob adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.8
V39	Banjo BSP with screwdriver adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.9
V38	Swivel BSP with knob adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.10
V37	Banjo BSP with knob adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.11
V19	Banjo BSPT with knob adjustment and push-in fitting			1/8", 1/4"	-	-	4, 6, 8	4.94.12
V36	Swivel BSP with knob adjustment and push-in fitting			-	1/8", 1/4", 3/8"	M5x0,8	4, 6, 8, 10	4.94.13

Thread/Tube matching

External Tube Ø	Thread								
	M5x0,8	G1/8"	G1/4"	G3/8"	G1/2"	R1/8"	R1/4"	R3/8"	R1/2"
Ø 4 mm	●	●	-	-	-	●	-	-	-
Ø 6 mm	●	●	●	-	-	●	●	-	-
Ø 8 mm	-	●	●	●	-	●	●	-	-
Ø 10 mm	-	-	●	●	-	-	-	-	-

Key

● available matching; - not available matching

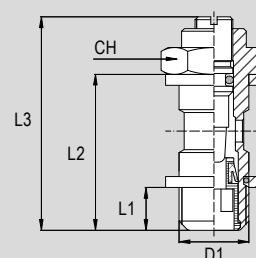
Flow and exhaust regulators

Flow regulators type V15



Main features

Type	Description	Function
V15..C	Banjo bolt with screwdriver adjustment. For cylinders. In nickel-plated brass.	
V15..V	Banjo bolt with screwdriver adjustment. For valves. In nickel-plated brass.	
V15..B	Banjo bolt with screwdriver adjustment. Bi-directional. In nickel-plated brass.	



Dimensions

Code	Item	Symbol (function)	D1	L1	L2	L3 (max)	CH	Weight (g)
024021	V15 00 M5C	 (for cylinders)	M5x0,8	4	15,2	25	8	4,8
024022	V15 00 18C		G1/8"	5,1	23,7	31,7	14	16,8
024023	V15 00 14C		G1/4"	6,7	27,9	39,5	17	32,4
024024	V15 00 38C		G3/8"	7,4	31	52	20	61
024025	V15 00 12C		G1/2"	9,9	37,9	60,7	26	106
024031	V15 00 M5V	 (for valves)	M5x0,8	4	15,2	25	8	4,8
024032	V15 00 18V		G1/8"	5,1	23,7	31,7	14	16,8
024033	V15 00 14V		G1/4"	6,7	27,9	39,5	17	32,4
024034	V15 00 38V		G3/8"	7,4	31	52	20	61
024001	V15 00 M5B	 (bi-directional)	M5x0,8	4	15,2	25	8	4,8
024002	V15 00 18B		G1/8"	5,1	23,7	31,7	14	16,8
024003	V15 00 14B		G1/4"	6,7	27,9	39,5	17	32,4
024004	V15 00 38B		G3/8"	7,4	31	52	20	61
024005	V15 00 12B		G1/2"	9,9	37,9	60,7	26	106

Matching with banjo series R

Code	Item	For thread	Tube ext. Ø
020731	R 35 04 M5R	M5	4
020745	R 35 06 M5R	M5	6
020733	R 35 04 18	1/8"	4
020736	R 35 06 18	1/8"	6
020737	R 35 06 14	1/4"	6
020738	R 35 08 18	1/8"	8
020739	R 35 08 14	1/4"	8
020740	R 35 08 38	3/8"	8
020741	R 35 10 14	1/4"	10
020742	R 35 10 38	3/8"	10
020743	R 35 12 38	3/8"	12
020744	R 35 12 12	1/2"	12

Matching with banjo series RT

Code	Item	For thread	Tube ext. Ø
029400	RT 28 04 M5R	M5	4
029407	RT 28 06 M5R	M5	6
029392	RT 28 04 18	1/8"	4
029393	RT 28 06 18	1/8"	6
029394	RT 28 06 14	1/8"	6
029395	RT 28 08 18	1/4"	6
029396	RT 28 08 14	1/8"	8
029397	RT 28 08 38	3/8"	8
029398	RT 28 10 14	1/4"	10
029399	RT 28 10 38	3/8"	10

Matching with banjo series C

Code	Item	For thread	Tube ext. Ø
021319	C 23 04 M5R	M5	4
021302	C 23 06 M5R	M5	6
021318	C 23 04 18	1/8"	4
021303	C 23 05 18	1/8"	5
021305	C 23 06 M5R	M5	6
021306	C 23 06 18	1/8"	6
021307	C 23 06 14	1/4"	6
021308	C 23 08 18	1/8"	8
021309	C 23 08 14	1/4"	8
021310	C 23 08 38	3/8"	8
021311	C 23 10 14	1/4"	10
021312	C 23 10 38	3/8"	10

Matching with banjo series O

Code	Item	For thread	Tube ext. Ø
022056	O 25 06 18	1/8"	6
022057	O 25 06 14	1/4"	6
022058	O 25 08 18	1/8"	8
022059	O 25 08 14	1/4"	8

Matching with banjo series A

Code	Item	For thread	Thread
022875	A042 05 05	M5	M5
022871	A042 18 18	1/8"	1/8"
022872	A042 14 14	1/4"	1/4"
022873	A042 38 38	3/8"	3/8"
022874	A042 12 12	1/2"	1/2"

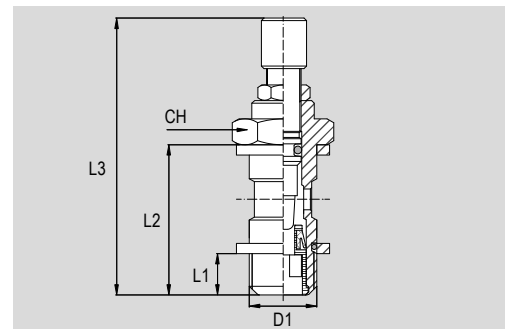
Flow and exhaust regulators

Flow regulators type V14



Main features

Type	Description	Function
V14..C	Banjo bolt with knob adjustment. For cylinders. In nickel-plated brass.	
V14..V	Banjo bolt with knob adjustment. For valves. In nickel-plated brass.	
V14..B	Banjo bolt with knob adjustment. Bi-directional. In nickel-plated brass.	



Dimensions

Code	Item	Symbol (function)	D1	L1	L2	L3 (max)	CH	Weight (g)
024026	V14 00 M5C	 (for cylinders)	M5x0,8	4	15,2	38,1	8	6,5
024027	V14 00 18C		G1/8"	5,1	23,7	42	14	20,2
024028	V14 00 14C		G1/4"	6,7	27,9	51	17	37,9
024029	V14 00 38C		G3/8"	7,4	31	63,5	20	73
024030	V14 00 12C		G1/2"	9,9	37,9	80,3	26	137,1
024341	V14 00 M5V	 (for valves)	M5x0,8	4	15,2	38,1	8	6,5
024342	V14 00 18V		G1/8"	5,1	23,7	42	14	20,2
024343	V14 00 14V		G1/4"	6,7	27,9	51	17	37,9
024344	V14 00 38V		G3/8"	7,4	31	63,5	20	73
024411	V14 00 M5B	 (bi-directional)	M5x0,8	4	15,2	38,1	8	6,5
024412	V14 00 18B		G1/8"	5,1	23,7	42	14	20,2
024413	V14 00 14B		G1/4"	6,7	27,9	51	17	37,9
024414	V14 00 38B		G3/8"	7,4	31	63,5	20	73
024415	V14 00 12B		G1/2"	9,9	37,9	80,3	26	137,1

Matching with banjo series R

	Code	Item	For thread	Tube ext.Ø
	020731	R 35 04 M5R	M5	4
	020745	R 35 06 M5R	M5	6
	020733	R 35 04 18	1/8"	4
	020736	R 35 06 18	1/8"	6
	020737	R 35 06 14	1/4"	6
	020738	R 35 08 18	1/8"	8
	020739	R 35 08 14	1/4"	8
	020740	R 35 08 38	3/8"	8
	020741	R 35 10 14	1/4"	10
	020742	R 35 10 38	3/8"	10
	020743	R 35 12 38	3/8"	12
	020744	R 35 12 12	1/2"	12

Matching with banjo series RT

	Code	Item	For thread	Tube ext.Ø
	029400	RT 28 04 M5R	M5	4
	029407	RT 28 06 M5R	M5	6
	029392	RT 28 04 18	1/8"	4
	029393	RT 28 06 18	1/8"	6
	029394	RT 28 06 14	1/8"	6
	029395	RT 28 08 18	1/4"	6
	029396	RT 28 08 14	1/8"	8
	029397	RT 28 08 38	3/8"	8
	029398	RT 28 10 14	1/4"	10
	029399	RT 28 10 38	3/8"	10

Matching with banjo series C

	Code	Item	For thread	Tube ext.Ø
	021319	C 23 04 M5R	M5	4
	021302	C 23 06 M5R	M5	6
	021318	C 23 04 18	1/8"	4
	021303	C 23 05 18	1/8"	5
	021305	C 23 06 M5R	M5	6
	021306	C 23 06 18	1/8"	6
	021307	C 23 06 14	1/4"	6
	021308	C 23 08 18	1/8"	8
	021309	C 23 08 14	1/4"	8
	021310	C 23 08 38	3/8"	8
	021311	C 23 10 14	1/4"	10
	021312	C 23 10 38	3/8"	10

Matching with banjo series O

	Code	Item	For thread	Tube ext.Ø
	022056	O 25 06 18	1/8"	6
	022057	O 25 06 14	1/4"	6
	022058	O 25 08 18	1/8"	8
	022059	O 25 08 14	1/4"	8

Matching with banjo series A

	Code	Item	For thread	Thread
	022875	A042 05 05	M5	M5
	022871	A042 18 18	1/8"	1/8"
	022872	A042 14 14	1/4"	1/4"
	022873	A042 38 38	3/8"	3/8"
	022874	A042 12 12	1/2"	1/2"

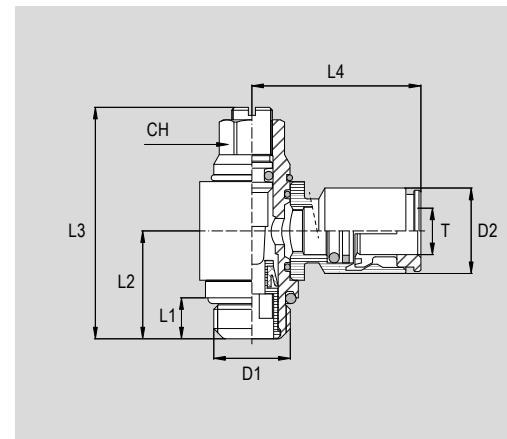
Flow and exhaust regulators

Flow regulators type V18



Main features

Type	Description	Function
V18..C 	Swivel BSP with screwdriver adjustment and push-in fitting. For cylinders. In nickel-plated brass.	
V18..V 	Swivel BSP with screwdriver adjustment and push-in fitting. For valves. In nickel-plated brass.	
V18..B 	Swivel BSP with screwdriver adjustment and push-in fitting. Bi-directional. In nickel-plated brass.	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024081 	V18 04 M5C	 (for cylinders)	4	M5x0,8	9,1	4	12,5	25,5	18,5	6	13
024082 	V18 04 18C		4	G1/8"	9,1	5,2	15,1	31,8	20,5	9	31
024398 	V18 06 M5C		6	M5x0,8	12	4	12,5	25,5	21,5	6	15,5
024085 	V18 06 18C		6	G1/8"	12	5,2	15,1	31,8	22,5	9	35
024086 	V18 06 14C		6	G1/4"	12	6,4	17,4	39,5	24	10	57
024087 	V18 08 18C		8	G1/8"	14	5,2	15,1	31,8	23,5	9	32,5
024088 	V18 08 14C		8	G1/4"	14	6,4	17,4	39,5	24,5	10	56
020246 	V18 08 38C		8	G3/8"	14	7	20	50	26,5	14	90
024089 	V18 10 14C		10	G1/4"	16	6,4	17,4	39,8	27	10	50
024090 	V18 10 38C		10	G3/8"	16	7	20	50	29	14	91
024091	V18 04 M5V	 (for valves)	4	M5x0,8	9,1	4	12,5	25,5	18,5	6	13
024092	V18 04 18V		4	G1/8"	9,1	5,2	15,1	31,8	20,5	9	31
024399	V18 06 M5V		6	M5x0,8	12	4	12,5	25,5	21,5	6	15,5
024095	V18 06 18V		6	G1/8"	12	5,2	15,1	31,8	22,5	9	35
024096	V18 06 14V		6	G1/4"	12	6,4	17,4	39,5	24	10	57
024097	V18 08 18V		8	G1/8"	14	5,2	15,1	31,8	23,5	9	32,5
024098	V18 08 14V		8	G1/4"	14	6,4	17,4	39,5	24,5	10	56
024120	V18 08 38V		8	G3/8"	14	7	20	50	26,5	14	90
024099	V18 10 14V		10	G1/4"	16	6,4	17,4	39,8	27	10	50
024140	V18 10 38V		10	G3/8"	16	7	20	50	29	14	91
024131	V18 04 M5B	 (bi-directional)	4	M5x0,8	9,1	4	12,5	25,5	18,5	6	13
024132	V18 04 18B		4	G1/8"	9,1	5,2	15,1	31,8	20,5	9	31
024400	V18 06 M5B		6	M5x0,8	12	4	12,5	25,5	21,5	6	15,5
024135	V18 06 18B		6	G1/8"	12	5,2	15,1	31,8	22,5	9	35
024136	V18 06 14B		6	G1/4"	12	6,4	17,4	39,5	24	10	57
024137	V18 08 18B		8	G1/8"	14	5,2	15,1	31,8	23,5	9	32,5
024138	V18 08 14B		8	G1/4"	14	6,4	17,4	39,5	24,5	10	56
024175	V18 08 38B		8	G3/8"	14	7	20	50	26,5	14	90
024139	V18 10 14B		10	G1/4"	16	6,4	17,4	39,8	27	10	50
024176	V18 10 38B		10	G3/8"	16	7	20	50	29	14	91

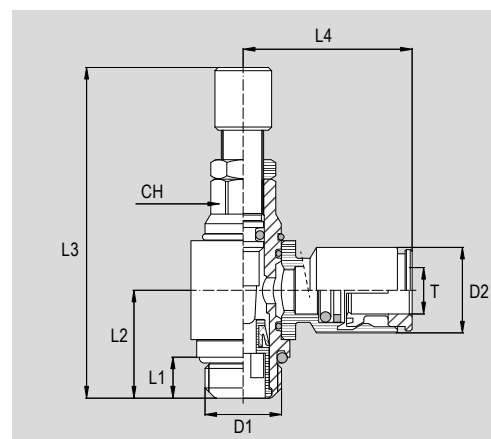
Flow and exhaust regulators

Flow regulators type V41



Main features

Type	Description	Function
V41..C	Swivel BSP with knob adjustment and push-in fitting. For cylinders. In nickel-plated brass.	
V41..V	Swivel BSP with knob adjustment and push-in fitting. For valves. In nickel-plated brass.	
V41..B	Swivel BSP with knob adjustment and push-in fitting. Bi-directional. In nickel-plated brass.	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024185	V41 04 M5C	 (for cylinders)	4	M5x0,8	9,1	4	12,5	39,4	18,5	6	15
024186	V41 04 18C		4	G1/8"	9,1	5,2	15,1	41,9	20,5	9	37
024416	V41 06 M5C		6	M5x0,8	12	4	12,5	39,4	21,5	6	16,9
024189	V41 06 18C		6	G1/8"	12	5,2	15,1	41,9	22,5	9	41
024190	V41 06 14C		6	G1/4"	12	6,4	17,4	50,8	24	10	63
024191	V41 08 18C		8	G1/8"	14	5,2	15,1	41,9	23,5	9	45
024192	V41 08 14C		8	G1/4"	14	6,4	17,4	50,8	24,5	10	62
024194	V41 08 38C		8	G3/8"	14	7	20	63,5	26,5	14	103
024193	V41 10 14C		10	G1/4"	16	6,4	17,4	50,8	27	10	93
024195	V41 19 38C		10	G3/8"	16	7	20	63,5	29	14	104
024361	V41 04 M5V	 (for valves)	4	M5x0,8	9,1	4	12,5	39,4	18,5	6	15
024362	V41 04 18V		4	G1/8"	9,1	5,2	15,1	41,9	20,5	9	37
024417	V41 06 M5C		6	M5x0,8	12	4	12,5	39,4	21,5	6	16,9
024365	V41 06 18V		6	G1/8"	12	5,2	15,1	41,9	22,5	9	41
024366	V41 06 14V		6	G1/4"	12	6,4	17,4	50,8	24	10	63
024367	V41 08 18V		8	G1/8"	14	5,2	15,1	41,9	23,5	9	45
024368	V41 08 14V		8	G1/4"	14	6,4	17,4	50,8	24,5	10	62
024370	V41 08 38V		8	G3/8"	14	7	20	63,5	26,5	14	103
024369	V41 10 14V		10	G1/4"	16	6,4	17,4	50,8	27	10	93
024378	V41 10 38V		10	G3/8"	16	7	20	63,5	29	14	104
024431	V41 04 M5B	 (bi-directional)	4	M5x0,8	9,1	4	12,5	39,4	18,5	6	15
024432	V41 04 18B		4	G1/8"	9,1	5,2	15,1	41,9	20,5	9	37
024418	V41 06 M5B		6	M5x0,8	12	4	12,5	39,4	21,5	6	16,9
024435	V41 06 18B		6	G1/8"	12	5,2	15,1	41,9	22,5	9	41
024436	V41 06 14B		6	G1/4"	12	6,4	17,4	50,8	24	10	63
024437	V41 08 18B		8	G1/8"	14	5,2	15,1	41,9	23,5	9	45
024438	V41 08 14B		8	G1/4"	14	6,4	17,4	50,8	24,5	10	62
024440	V41 08 38B		8	G3/8"	14	7	20	63,5	26,5	14	103
024439	V41 10 14B		10	G1/4"	16	6,4	17,4	50,8	27	10	93
024450	V41 10 38B		10	G3/8"	16	7	20	63,5	29	14	104

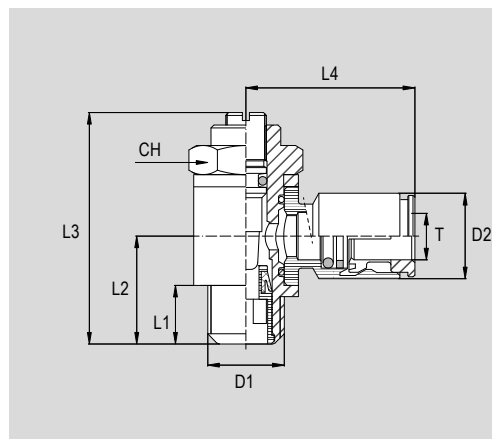
Flow and exhaust regulators

Flow regulators type V39



Main features

Type	Description	Function
V39..C	Banjo BSP with screwdriver adjustment and push-in fitting. For cylinders. In acetalic resin (POM).	
V39..V	Banjo BSP with screwdriver adjustment and push-in fitting. For valves. In acetalic resin (POM).	
V39..B	Banjo BSP with screwdriver adjustment and push-in fitting. Bi-directional. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024100	V39 04 M5C	 (for cylinders)	4	M5x0,8	9,7	4	15,2	25	17,6	8	7
024101	V39 04 18C		4	G1/8"	9,7	5,1	23,7	31,7	19,1	14	20
024109	V39 06 M5C		6	M5x0,8	12	4	15,2	25	21,5	8	8
024103	V39 06 18C		6	G1/8"	12	5,1	23,7	31,7	22,7	14	22
024104	V39 06 14C		6	G1/4"	12	6,7	27,2	39,5	24,3	17	38
024105	V39 08 18C		8	G1/8"	14	5,1	23,7	31,7	23	14	21
024106	V39 08 14C		8	G1/4"	14	6,7	27,2	39,5	24,6	17	39
024110	V39 08 38C		8	G3/8"	14	7,4	31	50	26,5	20	67
024107	V39 10 14C		10	G1/4"	16	6,7	27,2	39,5	27	17	39
024108	V39 10 38C		10	G3/8"	16	7,4	31	50	28,5	20	68
024119	V39 04 M5V	 (for valves)	4	M5x0,8	9,7	4	15,2	25	17,6	8	7
024111	V39 04 18V		4	G1/8"	9,7	5,1	23,7	31,7	19,1	14	20
024230	V39 06 M5V		6	M5x0,8	12	4	15,2	25	21,5	8	8
024113	V39 06 18V		6	G1/8"	12	5,1	23,7	31,7	22,7	14	21
024114	V39 06 14V		6	G1/4"	12	6,7	27,2	39,5	24,3	17	38
024115	V39 08 18V		8	G1/8"	14	5,1	23,7	31,7	23	14	22
024116	V39 08 14V		8	G1/4"	14	6,7	27,2	39,5	24,6	17	39
024231	V39 08 38V		8	G3/8"	14	7,4	31	50	26,5	20	67
024117	V39 10 14V		10	G1/4"	16	6,7	27,2	39,5	27	17	39
024118	V39 10 38V		10	G3/8"	16	7,4	31	50	28,5	20	68
024122	V39 04 M5B	 (bi-directional)	4	M5x0,8	9,7	4	15,2	25	17,6	8	7
024121	V39 04 18B		4	G1/8"	9,7	5,1	23,7	31,7	19,1	14	20
024129	V39 06 M5B		6	M5x0,8	12	4	15,2	25	21,5	8	8
024123	V39 06 18B		6	G1/8"	12	5,1	23,7	31,7	22,7	14	22
024124	V39 06 14B		6	G1/4"	12	6,7	27,2	39,5	24,3	17	38
024125	V39 08 18B		8	G1/8"	14	5,1	23,7	31,7	23	14	21
024126	V39 08 14B		8	G1/4"	14	6,7	27,2	39,5	24,6	17	39
024130	V39 08 38B		8	G3/8"	14	7,4	31	50	26,5	20	67
024127	V39 10 14B		10	G1/4"	16	6,7	27,2	39,5	27	17	39
024128	V39 10 38B		10	G3/8"	16	7,4	31	50	28,5	20	68

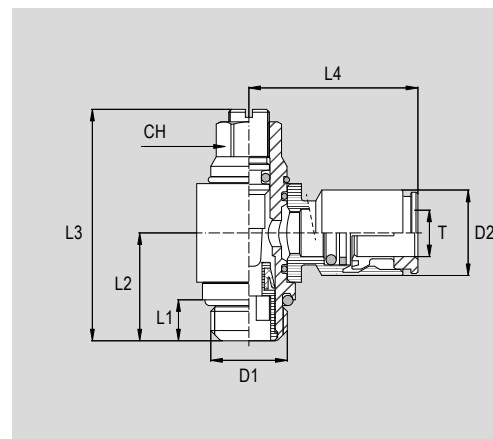
Flow and exhaust regulators

Flow regulators type V38



Main features

Type	Description	Function
V38..C	Swivel BSP with knob adjustment and push-in fitting. For cylinders. In acetalic resin (POM).	
V38..V	Swivel BSP with knob adjustment and push-in fitting. For valves. In acetalic resin (POM).	
V38..B	Swivel BSP with knob adjustment and push-in fitting. Bi-directional. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024201	V38 04 M5C	 (for cylinders)	4	M5x0,8	9,7	4	12	25,5	17,6	6	8
024202	V38 04 18C		4	G1/8"	9,7	5,2	15,1	31,8	19,1	9	17
024208	V38 06 M5C		6	M5x0,8	12	4	11,5	25,2	21,5	6	9
024203	V38 06 18C		6	G1/8"	12	5,2	15,1	31,8	22,7	9	18
024204	V38 06 14C		6	G1/4"	12	6,4	17,4	39,5	24,3	10	31
024205	V38 08 18C		8	G1/8"	14	5,2	14,9	31,8	23	9	20
024206	V38 08 14C		8	G1/4"	14	6,4	17,4	39,5	24,6	10	32
024210	V38 08 38C		8	G3/8"	14	7	20	50	26,5	14	59
024207	V38 10 14C		10	G1/4"	16	6,4	17,4	39,5	27	10	33
024209	V38 10 38C		10	G3/8"	16	7	20	50	28,5	14	60
024211	V38 04 M5V	 (for valves)	4	M5x0,8	9,7	4	12	25,5	17,6	6	8
024212	V38 04 18V		4	G1/8"	9,7	5,2	15,1	31,8	19,1	9	17
024218	V38 06 M5V		6	M5x0,8	12	4	11,5	25,2	21,5	6	9
024213	V38 06 18V		6	G1/8"	12	5,2	15,1	31,8	22,7	9	18
024214	V38 06 14V		6	G1/4"	12	6,4	17,4	39,5	24,3	10	31
024215	V38 08 18V		8	G1/8"	14	5,2	14,9	31,8	23	9	20
024216	V38 08 14V		8	G1/4"	14	6,4	17,4	39,5	24,6	10	32
024219	V38 08 38V		8	G3/8"	14	7	20	50	26,5	14	59
024217	V38 10 14V		10	G1/4"	16	6,4	17,4	39,5	27	10	33
024220	V38 10 38V		10	G3/8"	16	7	20	50	28,5	14	60
024221	V38 04 M5B	 (bi-directional)	4	M5x0,8	9,7	4	12	25,5	17,6	6	8
024222	V38 04 18B		4	G1/8"	9,7	5,2	15,1	31,8	19,1	9	17
024227	V38 06 M5B		6	M5x0,8	12	4	11,5	25,2	21,5	6	9
024223	V38 06 18B		6	G1/8"	12	5,2	15,1	31,8	22,7	9	18
024224	V38 06 14B		6	G1/4"	12	6,4	17,4	39,5	24,3	10	31
024225	V38 08 18B		8	G1/8"	14	5,2	14,9	31,8	23	9	20
024226	V38 08 14B		8	G1/4"	14	6,4	17,4	39,5	24,6	10	32
024229	V38 08 38B		8	G3/8"	14	7	20	50	26,5	14	59
024228	V38 10 14B		10	G1/4"	16	6,4	17,4	39,5	27	10	33
024254	V38 10 38B		10	G3/8"	16	7	20	50	28,5	14	60

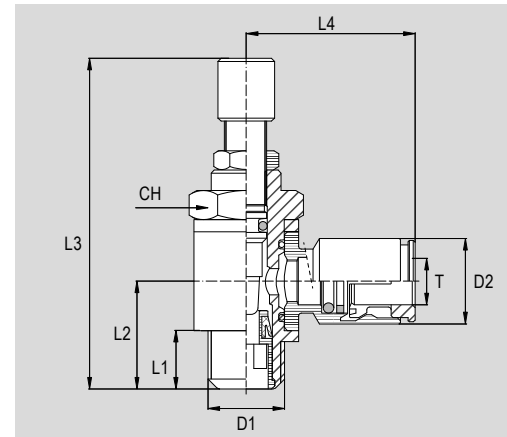
Flow and exhaust regulators

Flow regulators type V37



Main features

Type	Description	Function
V37..C	Banjo BSP with knob adjustment and push-in fitting. For cylinders. In acetalic resin (POM).	
V37..V	Banjo BSP with knob adjustment and push-in fitting. For valves. In acetalic resin (POM).	
V37..B	Banjo BSP with knob adjustment and push-in fitting. Bi-directional. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024311	V37 04 M5C	 (for cylinders)	4	M5x0,8	9,7	4	15,2	38,1	17,6	8	9
024312	V37 04 18C		4	G1/8"	9,7	5,1	23,7	42	19,1	14	23
024313	V37 06 M5C		6	M5x0,8	12	4	15,2	38,1	21,5	8	10
024314	V37 06 18C		6	G1/8"	12	5,1	23,7	42	22,7	14	25
024315	V37 06 14C		6	G1/4"	12	6,7	27,2	51	24,3	17	41
024316	V37 08 18C		8	G1/8"	14	5,1	23,7	42	23	14	25
024317	V37 08 14C		8	G1/4"	14	6,7	27,2	51	24,6	17	42
024318	V37 08 38C		8	G3/8"	14	7,4	31	63,5	26,5	20	70
024319	V37 10 14C		10	G1/4"	16	6,7	27,2	51	27	17	42
024320	V37 10 38C		10	G3/8"	16	7,4	31	63,5	28,5	20	71
024381	V37 04 M5V	 (for valves)	4	M5x0,8	9,7	4	15,2	38,1	17,6	8	9
024382	V37 04 18V		4	G1/8"	9,7	5,1	23,7	42	19,1	14	23
024383	V37 06 M5V		6	M5x0,8	12	4	15,2	38,1	21,5	8	10
024384	V37 06 18V		6	G1/8"	12	5,1	23,7	42	22,7	14	25
024385	V37 06 14V		6	G1/4"	12	6,7	27,2	51	24,3	17	41
024386	V37 08 18V		8	G1/8"	14	5,1	23,7	42	23	14	25
024387	V37 08 14V		8	G1/4"	14	6,7	27,2	51	24,6	17	42
024388	V37 08 38V		8	G3/8"	14	7,4	31	63,5	26,5	20	70
024389	V37 10 14V		10	G1/4"	16	6,7	27,2	51	27	17	42
024390	V37 10 38V		10	G3/8"	16	7,4	31	63,5	28,5	20	71
024451	V37 04 M5B	 (bi-directional)	4	M5x0,8	9,7	4	15,2	38,1	17,6	8	9
024452	V37 04 18B		4	G1/8"	9,7	5,1	23,7	42	19,1	14	23
024453	V37 06 M5B		6	M5x0,8	12	4	15,2	38,1	21,5	8	10
024454	V37 06 18B		6	G1/8"	12	5,1	23,7	42	22,7	14	25
024455	V37 06 14B		6	G1/4"	12	6,7	27,2	51	24,3	17	41
024456	V37 08 18B		8	G1/8"	14	5,1	23,7	42	23	14	25
024457	V37 08 14B		8	G1/4"	14	6,7	27,2	51	24,6	17	42
024458	V37 08 38B		8	G3/8"	14	7,4	31	63,5	26,5	20	70
024459	V37 10 14B		10	G1/4"	16	6,7	27,2	51	27	17	42
024460	V37 10 38B		10	G3/8"	16	7,4	31	63,5	28,5	20	71

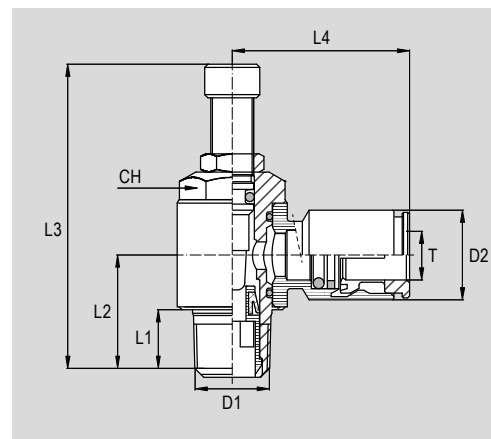
Flow and exhaust regulators

Flow regulators type V19



Main features

Type	Description	Function
V19..C	Banjo BSPT with knob adjustment and push-in fitting. For cylinders. In acetalic resin (POM).	
V19..V	Banjo BSPT with knob adjustment and push-in fitting. For valves. In acetalic resin (POM).	
V19..B	Banjo BSPT with knob adjustment and push-in fitting. Bi-directional. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024276	V19 04 18C	 (for cylinders)	4	R1/8"	10	8,6	16,1	42	19,1	12	19
024277	V19 06 18C		6	R1/8"	12	8,6	16,1	42	22,7	12	19,4
024278	V19 06 14C		6	R1/4"	12	11,7	20,2	51	24,3	15	35,2
024279	V19 08 18C		8	R1/8"	14	8,6	16,1	42	23	12	19,7
024280	V19 08 14C		8	R1/4"	14	11,7	20,2	51	24,6	15	35,5
024281	V19 04 18V	 (for valves)	4	R1/8"	10	8,6	16,1	42	19,1	12	19
024282	V19 06 18V		6	R1/8"	12	8,6	16,1	42	22,7	12	19,4
024283	V19 06 14V		6	R1/4"	12	11,7	20,2	51	24,3	15	35,2
024284	V19 08 18V		8	R1/8"	14	8,6	16,1	42	23	12	19,7
024285	V19 08 14V		8	R1/4"	14	11,7	20,2	51	24,6	15	35,5
024286	V19 04 18B	 (bi-directional)	4	R1/8"	10	8,6	16,1	42	19,1	12	19
024287	V19 06 18B		6	R1/8"	12	8,6	16,1	42	22,7	12	19,4
024288	V19 06 14B		6	R1/4"	12	11,7	20,2	51	24,3	15	35,2
024289	V19 08 18B		8	R1/8"	14	8,6	16,1	42	23	12	19,7
024290	V19 08 14B		8	R1/4"	14	11,7	20,2	51	24,6	15	35,5

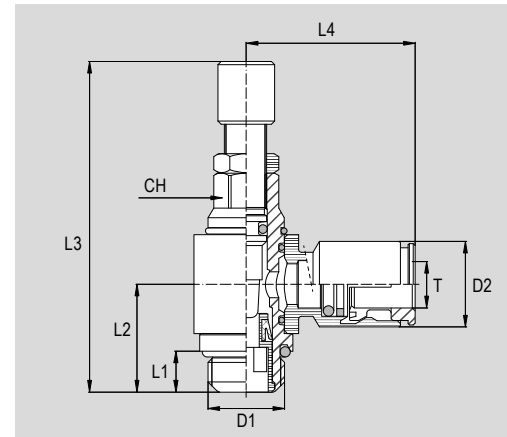
Flow and exhaust regulators

Flow regulators type V36



Main features

Type	Description	Function
V36..C	Swivel BSP with knob adjustment and push-in fitting. For cylinders. In acetalic resin (POM).	
V36..V	Swivel BSP with knob adjustment and push-in fitting. For valves. In acetalic resin (POM).	
V36..B	Swivel BSP with knob adjustment and push-in fitting. Bi-directional. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol (function)	T (Øe tube)	D1	D2	L1	L2	L3 (max)	L4	CH	Weight (g)
024331	V36 04 M5C	 (for cylinders)	4	M5x0,8	9,7	4	12	39,4	17,6	6	10
024332	V36 04 18C		4	G1/8"	9,7	5,2	15,1	41,9	19,1	9	20
024333	V36 06 M5C		6	M5x0,8	12	4	11,5	39,4	21,5	6	11
024334	V36 06 18C		6	G1/8"	12	5,2	15,1	41,9	22,7	9	21
024335	V36 06 14C		6	G1/4"	12	6,4	17,4	50,8	24,3	10	34
024336	V36 08 18C		8	G1/8"	14	5,2	14,9	41,9	23	9	23
024337	V36 08 14C		8	G1/4"	14	6,4	17,4	50,8	24,6	10	35
024340	V36 08 38C		8	G3/8"	14	7	20	63,5	26,5	14	72
024338	V36 10 14C		10	G1/4"	16	6,4	17,4	50,8	27	10	36
024339	V36 10 38C		10	G3/8"	16	7	20	63,5	28,5	14	73
024401	V36 04 M5V	 (for valves)	4	M5x0,8	9,7	4	12	39,4	17,6	6	10
024402	V36 04 18V		4	G1/8"	9,7	5,2	15,1	41,9	19,1	9	20
024403	V36 06 M5V		6	M5x0,8	12	4	11,5	39,4	21,5	6	11
024404	V36 06 18V		6	G1/8"	12	5,2	15,1	41,9	22,7	9	21
024405	V36 06 14V		6	G1/4"	12	6,4	17,4	50,8	24,3	10	34
024406	V36 08 18V		8	G1/8"	14	5,2	14,9	41,9	23	9	23
024407	V36 08 14V		8	G1/4"	14	6,4	17,4	50,8	24,6	10	35
024409	V36 08 38V		8	G3/8"	14	7	20	63,5	26,5	14	72
024408	V36 10 14V		10	G1/4"	16	6,4	17,4	50,8	27	10	36
024410	V36 10 38V		10	G3/8"	16	7	20	63,5	28,5	14	73
024481	V36 04 M5B	 (bi-directional)	4	M5x0,8	9,7	4	12	39,4	17,6	6	10
024482	V36 04 18B		4	G1/8"	9,7	5,2	15,1	41,9	19,1	9	20
024483	V36 06 M5B		6	M5x0,8	12	4	11,5	39,4	21,5	6	11
024484	V36 06 18B		6	G1/8"	12	5,2	15,1	41,9	22,7	9	21
024485	V36 06 14B		6	G1/4"	12	6,4	17,4	50,8	24,3	10	34
024486	V36 08 18B		8	G1/8"	14	5,2	14,9	41,9	23	9	23
024487	V36 08 14B		8	G1/4"	14	6,4	17,4	50,8	24,6	10	35
024489	V36 08 38B		8	G3/8"	14	7	20	63,5	26,5	14	72
024488	V36 10 14B		10	G1/4"	16	6,4	17,4	50,8	27	10	36
024500	V36 10 38B		10	G3/8"	16	7	20	63,5	28,5	14	73

Notes _____



Code key

Series	Type*	Thread*	Option**
A	VS	18	N
A	VE	05 = M5	N = Fully nickel-plated
	VS	18 = 1/8"	
	VL	14 = 1/4"	
	VT	38 = 3/8"	
	VC	12 = 1/2"	
	R07	34 = 3/4"	
		01 = 1"	

How to order

Series	Type	Thread	Option
A	VE	14	N

Notes

For standard materials see the table below.

* For matching between type and thread, see page 4.97.2; for specific type see the following page.

** Not available for type AR07.

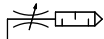
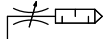
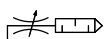
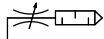
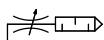
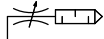
Technical data

Type	AVE, AVS, AVL, AVC, AVT, AR07
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-20°C ÷ +70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1

Standard materials

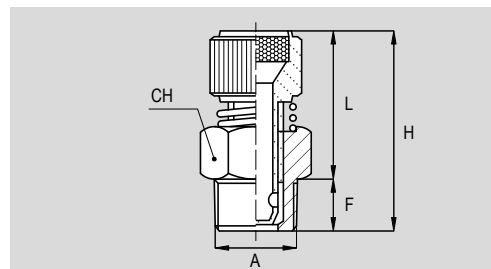
Type	AVE	AVS	AVL	AVC	AVT	AR07
Body	Brass			Nickel-plated brass		Nylon (PA6)
Filtering element	Sintered bronze 36 µ					Polyethylene
Spring	Stainless Steel					
Seals	NBR					

Silenced exhaust restrictors

Type			Functions	Parallel threads (BSP)	Metric threads	Data sheet and code page
AVE	Manual silenced exhaust restrictors, with external spring and right adjustment. In brass and sintered bronze.			1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	4.97.3
AVS	Manual silenced exhaust restrictors, with internal spring and left adjustment. In brass and sintered bronze.			1/8", 1/4", 3/8", 1/2"	-	4.97.3
AVL	Manual silenced exhaust restrictors, with screwdriver adjustment and high flow. In brass and sintered bronze.			1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	4.97.4
AVT	Manual silenced exhaust restrictors, with internal spring. In nickel-plated brass and sintered bronze.			1/8", 1/4", 1/2"	-	4.97.4
AVC	Manual silenced exhaust restrictors, with screwdriver adjustment. In nickel-plated brass and sintered bronze.			1/8", 1/4", 3/8"	M5x0,8	4.97.5
AR07	Manual silenced exhaust restrictors, with screwdriver adjustment. In plastic material.			1/8", 1/4", 3/8", 1/2"	-	4.97.5

Main features

Type	Description	Function
AVE	Manual silenced exhaust restrictors, with external spring and right adjustment. In brass and sintered bronze.	

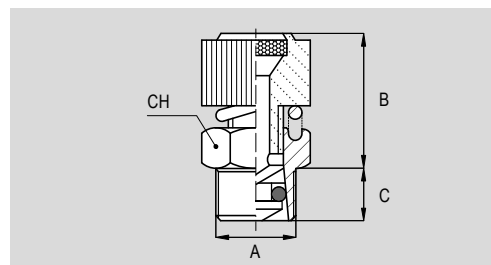


Dimensions

Code	Item	Symbol (function)	A	CH	F	L (min)	L (max)	H (min)	H (max)	Weight (g)
023501	AVE18		G1/8"	13	6	20	22	26	28	-
023502	AVE14		G1/4"	15	8	22	24	30	32	-
023503	AVE38		G3/8"	18	10	25	28	35	38	-
023504	AVE12		G1/2"	22	11	26	29	36	39	-
023505	AVE34		G3/4"	30	12	32	37	45	50	-
023506	AVE01		G1"	36	12	32	37	45	50	-

Main features

Type	Description	Function
AVS	Manual silenced exhaust restrictors, with internal spring and left adjustment. In brass and sintered bronze.	



Dimensions

Code	Item	Symbol (function)	A	B (min)	B (max)	C	CH	Weight (g)
023521	AVS18		G1/8"	14	19	6	13	-
023522	AVS14		G1/4"	17	22	8	16	-
023523	AVS38		G3/8"	18	24	9	20	-
023524	AVS12		G1/2"	18	24	10,5	26	-

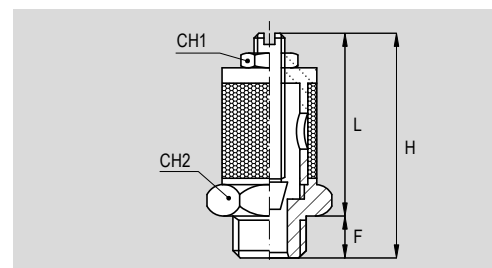
Flow and exhaust regulators

Silenced exhaust restrictors



Main features

Type	Description	Function
AVL	Manual silenced exhaust restrictors, with screwdriver adjustment and high flow. In brass and sintered bronze.	

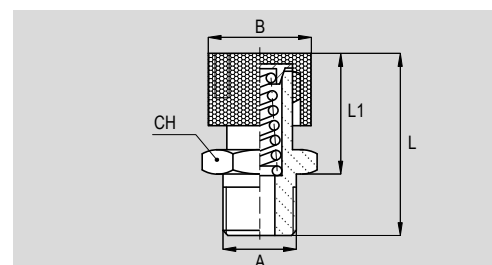


Dimensions

Code	Item	Symbol (function)	A	F	CH1	CH2	L (min)	L (max)	H (min)	H (max)	Weight (g)
023547	AVL05		M5x0,8	3,5	6	8	13	18	16	21	-
023541	AVL18		G1/8"	8	10	16	20	22	26	28	-
023542	AVL14		G1/4"	9	10	16	22	24	30	32	-
023543	AVL38		G3/8"	10	10	22	25	28	35	38	-
023544	AVL12		G1/2"	11	10	22	26	29	36	39	-
023545	AVL34		G3/4"	11	13	30	32	37	45	50	-
023546	AVL01		G1"	11	13	36	32	37	45	50	-

Main features

Type	Description	Function
AVT	Manual silenced exhaust restrictors, with internal spring. In nickel-plated brass and sintered bronze.	



Dimensions

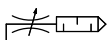
Code	Item	Symbol (function)	A	B	L (max)	L1 (min)	L1 (max)	CH	Weight (g)
023561	AVT18		G1/8"	14	29	16	21	14	-
023562	AVT14		G1/4"	17	33	17	24	17	-
023564	AVT12		G1/2"	26	43	25	31	26	-

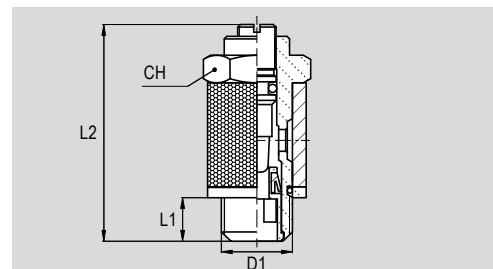
Flow and exhaust regulators

Silenced exhaust restrictors

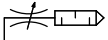


Main features

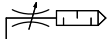
Type	Description	Function
AVC	Manual silenced exhaust restrictors, with screwdriver adjustment. In nickel-plated brass and sintered bronze.	

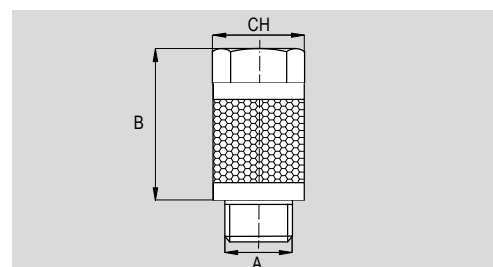


Dimensions

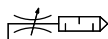
Code	Item	Symbol (function)	D1	L1	L2 (max)	CH	Weight (g)
023571	AVCM5		M5x0,8	3	25	8	6
023572	AVC18		G1/8"	4,9	31,7	14	27,1
023573	AVC14		G1/4"	6,4	39,5	17	50,6
023574	AVC38		G3/8"	6,7	50	20	92,9

Main features

Type	Description	Function
AR07	Manual silenced exhaust restrictors, with screwdriver adjustment. In plastic material.	



Dimensions

Code	Item	Symbol (function)	A	B	CH	Weight (g)
023531	AR0718		G1/8"	15	13	-
023532	AR0714		G1/4"	22	15	-
023533	AR0738		G3/8"	30,4	20	-
023534	AR0712		G1/2"	40,2	25	-

Notes



Code key

Series	Type*	Thread 1*	Thread 2**
A	SN	18	18
A	SN SE R	18 = 1/8" 14 = 1/4" 38 = 3/8" 12 = 1/2"	

How to order type ASE-AR

Series	Type	Thread
A	SE	18

How to order type ASN

Series	Type	Thread 1	Thread 2
A	SN	18	18

Notes

For standard materials see the table below.

* For matching between type and thread, see page 4.99.2; for specific type see the following page.

** Only for type ASN

Technical data

Type	ASN, ASE, AR
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-20°C ÷ +70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)

Standard materials

Type	ASN	ASE	AR
Body	Nickel-plated brass		
Adjustment needle	Nickel-plated brass		

Exhaust restrictors

Type			Functions	Parallel threads (BSP)	Data sheet and code page
ASN	Exhaust restrictor, bi-directional, female threaded, for mounting the silencer. In nickel-plated brass.			1/8", 1/4", 3/8", 1/2"	4.99.3
ASE	Exhaust restrictor, bi-directional, with manual adjustment and high flow. In nickel-plated brass.			1/8", 1/4"	4.99.3
AR	Exhaust restrictor, bi-directional, with manual shut off. In nickel-plated brass.			1/8", 1/4", 3/8"	4.99.4

Matching thread series ASN

Thread 1	Thread 2			
	G1/8"	G1/4"	G3/8"	G1/2"
G1/8"	●	-	-	-
G1/4"	●	-	-	-
G3/8"	-	●	-	-
G1/2"	-	●	●	-

Matching thread series ASE - AR

Type	Thread 1			
	G1/8"	G1/4"	G3/8"	G1/2"
ASE	●	●	-	-
AR	●	●	●	-

Key

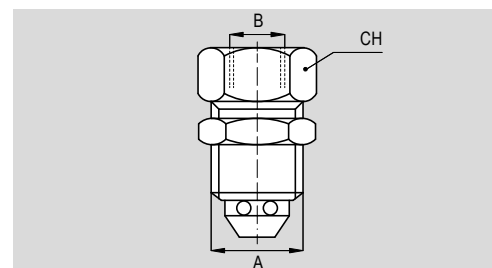
● available matching; - not available matching

Flow and exhaust regulators

Exhaust restrictors

Main features

Type	Description	Function
ASN	Exhaust restrictor, bi-directional, female threaded, for mounting the silencer. In nickel-plated brass.	

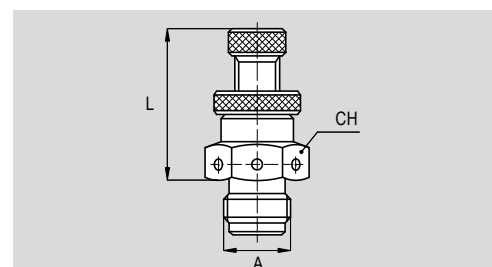


Dimensions

Code	Item	Symbol (function)	A	B	CH	Weight (g)
023581	ASN1818	 (bi-directional)	G1/8"	G1/8"	15	-
023582	ASN1418		G1/4"	G1/8"	19	-
023583	ASN3814		G3/8"	G1/4"	20	-
023584	ASN1214		G1/2"	G1/4"	20	-
023585	ASN1238		G1/2"	G3/8"	26	-

Main features

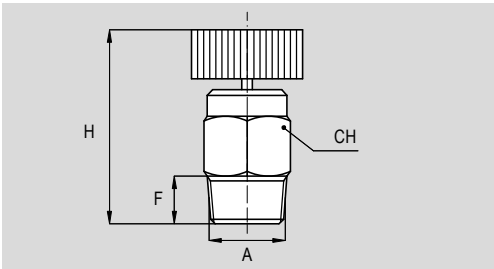
Type	Description	Function
ASE	Exhaust restrictor, bi-directional, with manual adjustment and high flow. In nickel-plated brass.	



Dimensions

Code	Item	Symbol (function)	A	L	CH	Weight (g)
023621	ASE18	 (bi-directional)	G1/8"	18	14	-
023622	ASE14		G1/4"	22	17	-

Main features		
Type	Description	Function
AR	Exhaust restrictor, bi-directional, with manual shut off. In nickel-plated brass.	



Dimensions							
Code	Item	Symbol (function)	A	F	H	CH	Weight (g)
023633	AR18B	 (bi-directional)	G1/8"	8	28	14	-
023634	AR14B		G1/4"	9	27	14	-
023635	AR38B		G3/8"	9	24	17	-

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Accessories with integrated function. Available in different versions, functions, and threads. Supplied as standard in compliance to Reach and RoHS directives.



Fittings with non return valve type V56

from page 4.121.10



Series of parallel (BSP) push-in fittings in nickel-plated brass with non-return valve. Available in sizes from M5 to G1/2", tube from Ø 4 to Ø 14.



Stop fittings type V59

from page 4.121.20



Series of parallel (BSP) push-in fittings in nickel-plated brass with poppet. Available in sizes G1/8" and G1/4", tube Ø 6 and Ø 8.



Pressure regulators type V47

from page 4.122.10



Series of pressure regulators in nickel-plated brass. Available in sizes G1/8" and G1/4". Compatible with banjo fittings.



Uni-directional pressure regulators type V57 e V58

from page 4.122.20



Series uni-directional pressure regulators in acetalic resin (POM) with reduced dimensions and micro-pressure-gauge. Available in two versions: in-line version (V57) for tube Ø 6 and Ø 8, and 90° version (V58), for tube from Ø 4 to Ø 8 with M5, R1/8" and R1/4" threads.



Pneumatic switches type V46

from page 4.123.10



Series of pneumatic switches in nickel-plated brass. Available in 2 ways and 3 ways versions, sizes G1/8" and G1/4". Compatible with banjo fittings.



In-line pneumatic switches type V48

from page 4.123.20



Series of in-line pneumatic switches in acetalic resin. Available in 2 ways and 3 ways versions, sizes Ø 6 and Ø 8.



Circuit selectors type V60

from page 4.124.10



Series of circuit selectors in anodized aluminium. Available with connections G1/8" and G1/4".



In-line pressure-gauges type V51

from page 4.125.10



Series of In-line pressure-gauges with reduced dimensions, in acetalic resin. Available in configuration with push-in fittings connections Ø 6 and Ø 8, or with threaded connections G1/8" and G1/4" in and push-in fittings connection Ø 6 or Ø 8 out.



Adjustable pressure switches type PR

from page 4.126.10



Series of adjustable pressure switches in brass, with rubber cover cap. Available in size G1/8", in version "Normally open" or "Normally closed", and in size G1/4" in version "Normally closed".

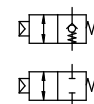


Stop valves type V45

from page 4.127.10



Series of stop valves in nickel-plated brass. Available in versions uni-directional and bi-directional, in size from G1/8" to G1/2". Compatible with banjo fittings.



Uni-directional throttle fittings type V44

from page 4.128.10



Series of uni-directional throttle fittings with fixed section and elbow push-in fitting in nickel-plated brass. Available in sizes from M5 to G1/4", for tube from Ø 4 to Ø 8, with calibrated hole from Ø 0,2 mm to Ø 1,5 mm



Slow starters type V61

from page 4.129.10



Series of slow starters in nickel-plated brass. Available in sizes from G1/4" to G1/2".



Threshold sensors type V62

from page 4.130.10



Series of threshold sensors in nickel-plated brass. Available in sizes from G1/8" to G3/8", for tube Ø 4.

Code key

Series	Type ⁽¹⁾	Thread or Tube ⁽²⁾	Thread or Tube ⁽²⁾	Function	Option
V	45	00	14	B	K
V	56	M5 = M5x0,8	00 = -	A ⁽³⁾ = Normally open	
PR	59	18 = 1/8"	04 = Ø 4	C ⁽³⁾ = Normally closed	
	47	14 = 1/4"	06 = Ø 6	U ⁽⁴⁾ = Uni-directional	
	57	38 = 3/8"	08 = Ø 8	B ⁽⁴⁾ = Bi-directional	
	58	12 = 1/2"	10 = Ø 10	2V ⁽⁵⁾ = 2 ways	
	46		12 = Ø 12	3V ⁽⁵⁾ = 3 ways	
	48		14 = Ø 14	... ⁽⁶⁾ = Ø calibrated hole	
	60				
	51				
	45				
	44				
	61				
	62				
					-
					K ⁽⁴⁾ = With recessed push-button for manual override reset

Notes

For specific type see the following pages. For standard materials see the data sheet of single components.

- (1) Only for series V
 (2) For matching between type, tube and thread, see the following pages.
 (3) Only for type PR
 (4) Only for type V45
 (5) Only for type V46 and V48
 (6) Only for type V44. For diameters see table at page 4.128.10

How to order series V

Series	Type	Tube	Thread
V	56	06	14

How to order series PR

Series	Size	Function
PR	18	A

How to order type V45

Series	Type	Tube	Thread	Function	Option
V	45	00	14	B	K

How to order type V46 and V48

Series	Type	Tube	Thread	Function
V	46	00	14	2V

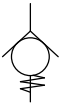
How to order type V44

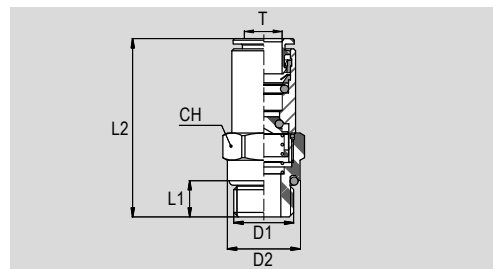
Series	Type	Tube	Thread	Hole Ø
V	44	06	18	0,3

Accessories with integrated function

Fittings with non return valve

Main features

Type	Description	Symbol
V56	BSP stud push-in fitting with non return valve. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	T (Øe tube)	D1	D2	L1	L2	CH	Weight (g)
024490	V5604M5		4	M5x0,8	8	4	37,2	9	10
024491	V560418		4	G1/8"	13	6	30,9	11	13
024492	V560618		6	G1/8"	13	6	38	13	18
024493	V560614		6	G1/4"	16	8	39	14	26
024494	V560818		8	G1/8"	13	6	38,5	15	23
024495	V560814		8	G1/4"	16	8	39,5	16	27
024496	V561014		10	G1/4"	16	8	44	18	36
024497	V561038		10	G3/8"	20	9	43,5	18	42
024498	V561212		12	G1/2"	25	10	46,5	22	68
024499	V561412		14	G1/2"	25	10	54,7	25	90

Function

The non-return valve have the function of allowing the free flow in one direction (from the tube towards the thread), while it intercepts the flow coming from the thread in the direction of the tube.

Technical data

Type	V56
Fluid	Compressed air
Pressure range	2 ÷ 10 bar
Minimum working pressure	0,2 bar
Temperature range	-20°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11).
Tubes tolerance	±0,05 mm

Standard materials

Type	V56
Body	Nickel-plated brass
Release collar	Nickel-plated brass
Valve	Nickel-plated brass
Collet and spring	Stainless Steel
Seals	NBR

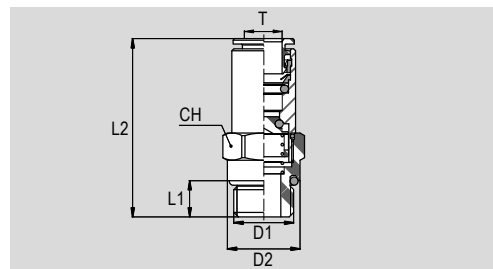
Accessories with integrated function

Stop fittings



Main features

Type	Description	Symbol
V59	BSP stud push-in fitting , with poppet. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	T (Øe tube)	D1	D2	L1	L2	CH	Weight (g)
024470	V590618		6	G1/8"	13,5	5	27,7	12	14,9
024471	V590614		6	G1/4"	16	6,5	27,7	12	18
024472	V590818		8	G1/8"	14,5	5	27,9	13	17
024473	V590814		8	G1/4"	16	6,5	27,9	13	20,4

Function

The poppet inside the component is unlocked only if a tube is inserted, thus allowing air to flow from the thread to the tube, and only allow this as long as the tube remains inserted. If, for any reason, the tube were disconnected, the flow of air through the fitting would stop as poppet close.

Technical data

Type	V59
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-20°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11).
Tubes tolerance	±0,05 mm

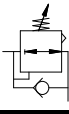
Standard materials

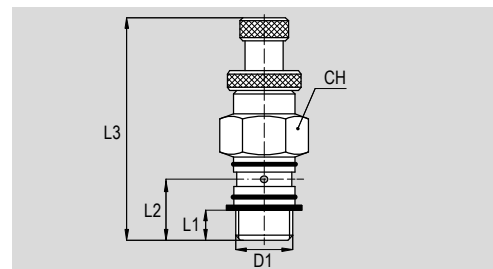
Type	V59
Body	Nickel-plated brass
Release collar	Nickel-plated brass
Poppet	Nickel-plated brass
Collet and spring	Stainless Steel
Seals	NBR

Accessories with integrated function

Pressure regulators

Main features

Type	Description	Symbol
V47	Pressure regulators. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	D1	L1	L2	L3 (max)	CH	Weight (g)
030127	V470018		G1/8"	6,2	15,5	56,8	15	33,6
030140	V470014		G1/4"	8,2	18,5	62,9	17	54

Technical data

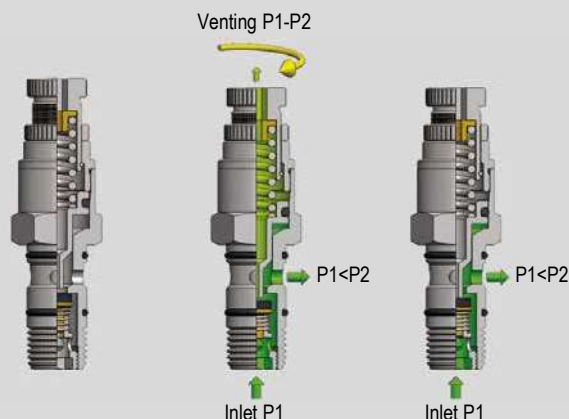
Type	V47	
Size	1/8"	1/4"
Fluid	Compressed air	
Pressure range (IN)	0 ÷ 10 bar	
Regulation range	0 ÷ 8 bar	
Temperature range	-20°C ÷ +80°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Function	See page 4.122.11	
Matching with banjo fittings	See page 4.122.11	
Flow at 6 bar with ΔP 1 bar	205 NI/min	290 NI/min

Standard materials

Type	V47
Body	Nickel-plated brass
Spring	Stainless Steel AISI 302
Seals	NBR

Function

Type V47



Pressure regulators, installed in a pneumatic system, allow the adjustment of specific connected equipment working pressure, maintaining this regulation constant in time. Particularly interesting is the application as an energy saver, which is achieved by connecting the regulator between the valve and the cylinder. This way, it is possible to reduce pressure in one desired direction, thus limiting air consumption of the cylinder.

Matching with banjo series R

	Code	Item	For thread	Tube ext. Ø
	020733	R 35 04 18	1/8"	4
	020736	R 35 06 18	1/8"	6
	020737	R 35 06 14	1/4"	6
	020738	R 35 08 18	1/8"	8
	020739	R 35 08 14	1/4"	8
	020741	R 35 10 14	1/4"	10

Matching with banjo series RT

	Code	Item	For thread	Tube ext. Ø
	029392	RT 28 04 18	1/8"	4
	029393	RT 28 06 18	1/8"	6
	029394	RT 28 06 14	1/4"	6
	029395	RT 28 08 18	1/8"	8
	029396	RT 28 08 14	1/4"	8
	029398	RT 28 10 14	1/4"	10

Matching with banjo series C

	Code	Item	For thread	Tube ext. Ø
	021318	C 23 04 18	1/8"	4
	021303	C 23 05 18	1/8"	5
	021306	C 23 06 18	1/8"	6
	021307	C 23 06 14	1/4"	6
	021308	C 23 08 18	1/8"	8
	021309	C 23 08 14	1/4"	8
	021311	C 23 10 14	1/4"	10

Matching with banjo series O

	Code	Item	For thread	Tube ext. Ø
	022056	O 25 06 18	1/8"	6
	022057	O 25 06 14	1/4"	6
	022058	O 25 08 18	1/8"	8
	022059	O 25 08 14	1/4"	8

Matching with banjo series A

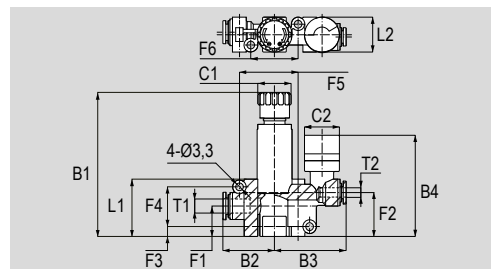
	Code	Item	For thread	Thread
	022871	A042 18 18	1/8"	1/8"
	022872	A042 14 14	1/4"	1/4"

Accessories with integrated function

Uni-directional pressure regulators

Main features

Type	Description	Symbol
V57	Uni-directional in-line pressure regulators, with push-in fitting connections. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol	T1 (Øe tube1)	T2 (Øe tube2)	B1 min	B1 max	B2	B3	B4	L1	L2	C1	C2	F1	F2	F3	F4	F5	F6	Weight (g)
024357	V570404		4	4	59	61,6	21,6	30,6	43,3	24,5	15	14,2	15	13	18,8	4,2	17	30	20,2	23
024358	V570606		6	6	59	61,6	22	31	43,3	24,5	15	14,2	15	13	18,8	4,2	17	30	20,2	23
024359	V570808		8	8	63,1	65,7	28,6	32,9	49,8	28,4	19	14,2	15	15	22,5	4,1	21,3	39,7	23,2	36

Function

Uni-directional pressure regulators, with extremely reduced overall dimensions, supplied complete with a micro-pressure-gauge (MPa scale), to be used when is necessary to reduce the working pressure directed to a specific component.

To adjust the pressure, is necessary to unlock the adjustment knob (C1) by lifting it upwards. Turn the knob clockwise to increase pressure, or counter-clockwise to decrease pressure. Once reaching the desired pressure, visible through the built-in pressure-gauge, lock the knob again by pushing it downwards.

Technical data

Type	V57
Fluid	Compressed air
Pressure range	1 ÷ 8 bar
Temperature range	0°C ÷ +60°C
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11).
Tubes tolerance	±0,05 mm

Standard materials

Type	V57
Body	Acetalic resin (POM)
Collet	Stainless Steel
Seals	NBR

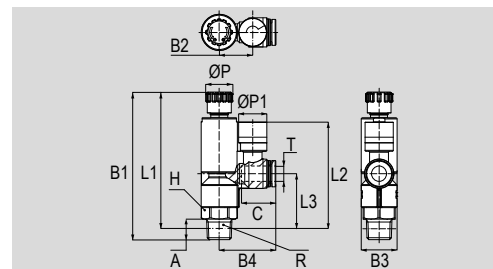
Accessories with integrated function

Uni-directional pressure regulators



Main features

Type	Description	Symbol
V58	Uni-directional 90° pressure regulators, with "in" BSPT threaded connection and "out" push-in fitting. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol	T (Øe tube)	R	A	B1 min	B1 max	B2	B3	B4	L1 min	L1 max	L2	L3	ØP	ØP1	C	H	Weight (g)
024462	V5804M5		4	M5x0,8	3	67,4	70	16,2	15	26,3	64,4	67	48,7	24,2	14,2	15	11	14	29
024463	V580418		4	R1/8"	8	68,9	71,5	16,2	15	26,3	64,9	67,5	49,2	24,7	14,2	15	11	14	29
024464	V5806M5		6	M5x0,8	3	67,4	70	16,2	15	26,7	64,4	67	48,7	24,2	14,2	15	11,6	14	29
024465	V580618		6	R1/8"	8	68,9	71,5	16,2	15	26,7	64,9	67,5	49,2	24,7	14,2	15	11,6	14	29
024466	V580614		6	R1/4"	11	75,6	78,2	17,7	19	30	69,6	72,2	56,3	29	14,2	15	17	17	49
024467	V580818		8	R1/8"	8	68,9	71,5	16,2	15	28,4	64,9	67,5	52	24,7	14,2	15	18,1	14	31
024468	V580814		8	R1/4"	11	75,6	78,5	17,7	19	29,9	69,6	72,2	56,3	29	14,2	15	18,1	17	49

Function

Uni-directional pressure regulators, with extremely reduced overall dimensions, supplied complete with a micro-pressure-gauge (MPa scale), to be used when is necessary to reduce the working pressure directed to a specific component.

To adjust the pressure, is necessary to unlock the adjustment knob (C1) by lifting it upwards. Turn the knob clockwise to increase pressure, or counter-clockwise to decrease pressure. Once reaching the desired pressure, visible through the built-in pressure-gauge, lock the knob again by pushing it downwards.

Technical data

Type	V58
Fluid	Compressed air
Pressure range	1 ÷ 8 bar
Temperature range	0°C ÷ +60°C
Taper threads	UNI EN 10226-1 (BSPT)
Metric threads	UNI EN ISO 965-1
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11).
Tubes tolerance	±0,05 mm

Standard materials

Type	V58
Body	Acetalic resin (POM)
Metal thread	Nickel-plated brass
Collet	Stainless Steel
Seals	NBR

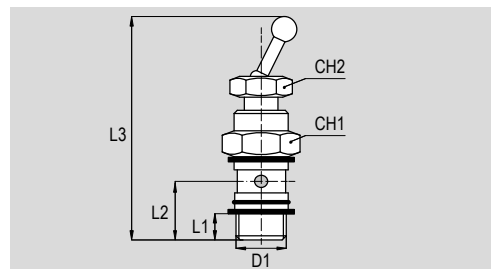
Accessories with integrated function

Pneumatic switches



Main features

Type	Description	Symbol
V46..2V	2 ways pneumatic switch. In nickel-plated brass.	
V46..3V	3 ways pneumatic switch. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	D1	L1	L2	L3	CH1	CH2	Weight (g)
030125	V4600182V		G1/8"	6,5	15,9	54,8	14	15	25
030165	V4600142V		G1/4"	8	18,7	59,8	17	15	41
030166	V4600183V		G1/8"	6,5	15,9	54,8	14	15	25
030167	V4600143V		G1/4"	8	18,7	59,8	17	15	41

Technical data

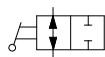
Type	V46	
Size	1/8"	1/4"
Fluid	Compressed air	
Pressure range	0 ÷ 15 bar	
Temperature range	-20°C ÷ +80°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Function	See page 4.123.11	
Matching with banjo fittings	See page 4.123.11	
Flow at 6 bar with ΔP 1 bar	235 NI/min	265 NI/min

Standard materials

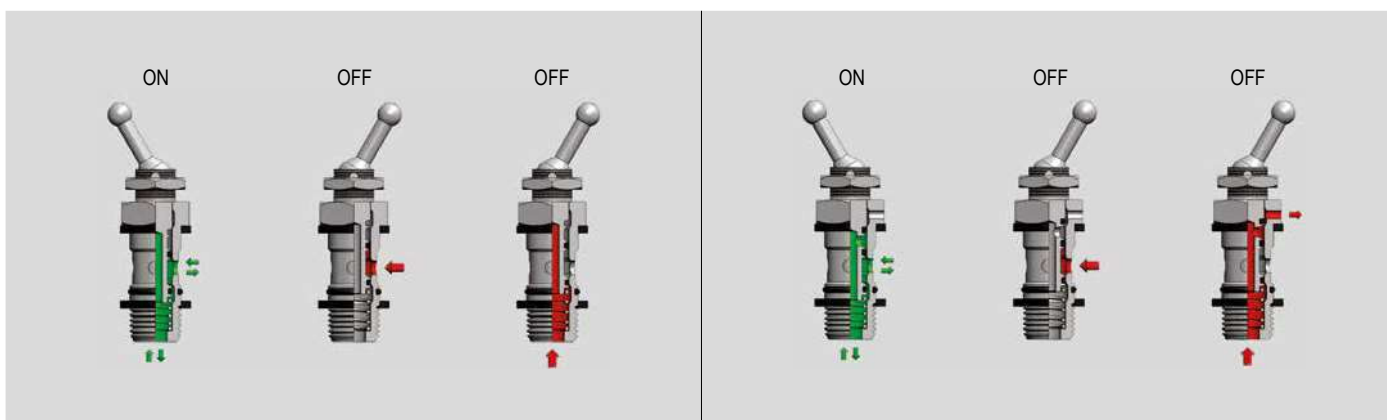
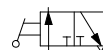
Type	V46
Body	Nickel-plated brass
Spring	Stainless Steel AISI 302
Washer	Nylon (PA6)
Seals	NBR

Function

Type V46..2V, 2/2
(2 ways)



Type V46..3V, 3/2
(3 ways)



Pneumatic switches are valves with the function of selecting a circuit (ON/OFF) simply by operating the control lever. Using the 3-way valve, the circuit downstream of the switch is not only disconnected, but also discharged into the atmosphere.

Matching with banjo series R

	Code	Item	For thread	Tube ext. Ø
	020733	R 35 04 18	1/8"	4
	020736	R 35 06 18	1/8"	6
	020737	R 35 06 14	1/4"	6
	020738	R 35 08 18	1/8"	8
	020739	R 35 08 14	1/4"	8
	020741	R 35 10 14	1/4"	10

Matching with banjo series RT

	Code	Item	For thread	Tube ext. Ø
	029392	RT 28 04 18	1/8"	4
	029393	RT 28 06 18	1/8"	6
	029394	RT 28 06 14	1/4"	6
	029395	RT 28 08 18	1/8"	8
	029396	RT 28 08 14	1/4"	8
	029398	RT 28 10 14	1/4"	10

Matching with banjo series C

	Code	Item	For thread	Tube ext. Ø
	021318	C 23 04 18	1/8"	4
	021303	C 23 05 18	1/8"	5
	021306	C 23 06 18	1/8"	6
	021307	C 23 06 14	1/4"	6
	021308	C 23 08 18	1/8"	8
	021309	C 23 08 14	1/4"	8
	021311	C 23 10 14	1/4"	10

Matching with banjo series O

	Code	Item	For thread	Tube ext. Ø
	022056	O 25 06 18	1/8"	6
	022057	O 25 06 14	1/4"	6
	022058	O 25 08 18	1/8"	8
	022059	O 25 08 14	1/4"	8

Matching with banjo series A

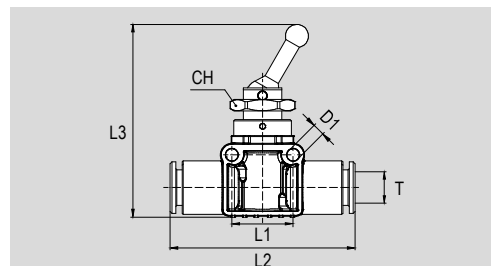
	Code	Item	For thread	Thread
	022871	A042 18 18	1/8"	1/8"
	022872	A042 14 14	1/4"	1/4"

Accessories with integrated function

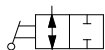
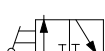
In-line pneumatic switches

Main features

Type	Description	Symbol
V48..2V	2 ways in-line pneumatic switch. In acetalic resin (POM).	
V48..3V	3 ways in-line pneumatic switch. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol	T (Øe tube)	D1	L1	L2	L3	CH	Weight (g)
030172	V4800062V		6	3,2	16	47	48,8	15	30,5
030173	V4800082V		8	3,2	16	48	50,3	15	32
030164	V4800063V		6	3,2	16	47	48,8	15	30,5
030163	V4800083V		8	3,2	16	48	50,3	15	32

Function

Pneumatic switches are valves with the function of selecting a circuit (ON/OFF) simply by operating the control lever. Using the 3-way valve, the circuit downstream of the switch is not only disconnected, but also discharged into the atmosphere.

Technical data

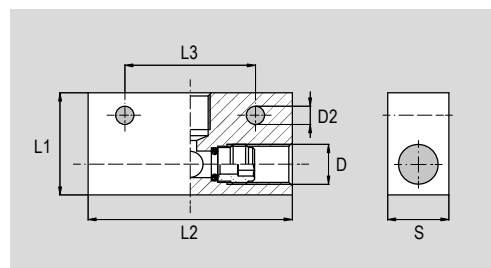
Type	V48	
Size	Ø 6	Ø 8
Fluid	Compressed air	
Pressure range	0 ÷ 15 bar	
Temperature range	-20°C ÷ +70°C	
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)	
Tubes tolerance	±0,05 mm	
Flow at 6 bar with ΔP 1 bar	185 NI/min	190 NI/min

Standard materials

Type	V48
Body	Acetalic resin (POM)
Lever	Nickel-plated brass
Spring	Stainless Steel AISI 302
Fitting	Series RT (see page 4.7.1)
Seals	NBR

Main features

Type	Description	Symbol
V60	Circuit selectors. In anodized aluminium.	



Dimensions

Code	Item	Symbol	D	D2	L1	L2	L3	S	Weight (g)
024348	V601818		G1/8"	4,5	25	50	32	15	57,4
024349	V601414		G1/4"	5,5	30	52	35	20	74

Technical data

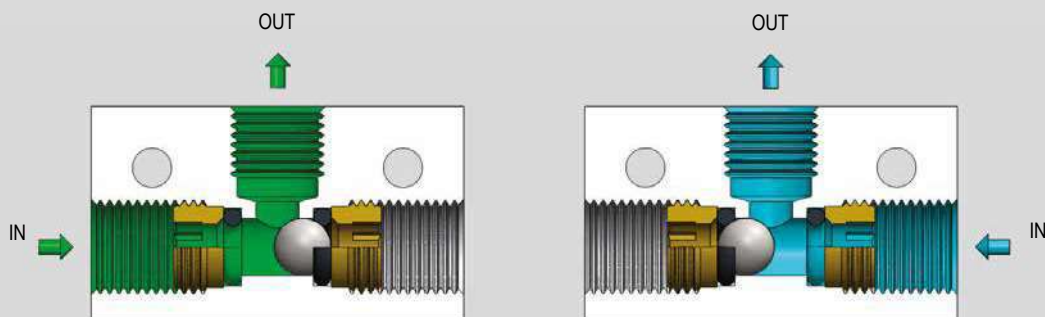
Type	V60
Fluid	Compressed air
Pressure range	0,5 ÷ 10 bar
Temperature range	-20°C ÷ +70°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Function	See page 4.124.11
Flow	See page 4.124.11

Standard materials

Type	V60
Body	Anodized aluminium
Bush	Brass
Sphere	Steel AISI 420
Seals	NBR

Function

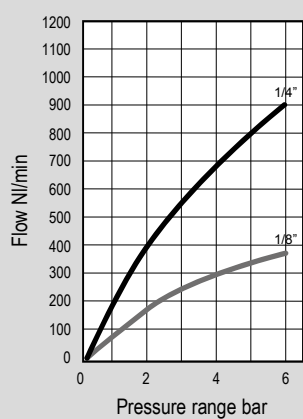
Type V60



Circuit selectors are used when is required to convey two pneumatic flows from two different tubes into one without these to interfering with each other. Sending air in one of the two "in" orifices exclude the other.

Flow diagram

P = 6 bar, with ΔP 1 bar



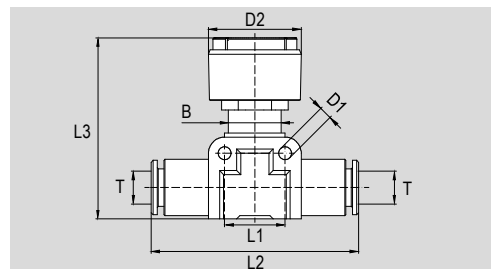
Accessories with integrated function

In-line pressure-gauges



Main features

Type	Description	Symbol
V51	In-line pressure-gauges with push-in connections. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol	T (Øe tube)	B	D1	D2	L1	L2	L3	Weight (g)
030174	V510606		6	14	3,2	23	16	47	45,1	-
030177	V510808		8	14	3,2	23	16	48	46,6	-

Function

These in-line pressure gauges with extremely reduced overall dimensions allow to check the actual pressure in the specific area where they are installed.

Technical data

Type	V51	
Size	Ø 6	Ø 8
Fluid	Compressed air	
Pressure range	0 ÷ 10 bar	
Temperature range	0°C ÷ +70°C	
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)	
Tubes tolerance	±0,05 mm	

Standard materials

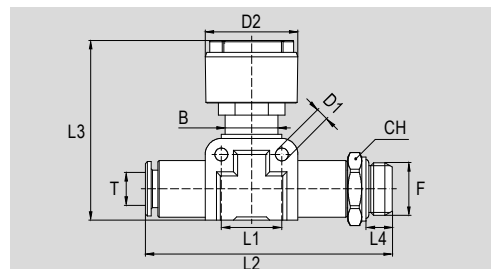
Type	V51
Body	Acetalic resin (POM)
Pressure-gauge	ABS
Pressure-gauge seat	Metal
Fitting	Series RT (see page 4.7.1)
Seals	NBR

Accessories with integrated function

In-line pressure-gauges

Main features

Type	Description	Symbol
V51	In-line pressure-gauges with "in" BSP thread connection and "out" push-in fitting. In acetalic resin (POM).	



Dimensions

Code	Item	Symbol	T (Øe tube)	F (Thread)	B	D1	D2	L1	L2	L3	L4	CH	Weight (g)
030175	V510618		6	G1/8"	14	3,2	23	16	53	45,1	5	13	-
030176	V510614		6	G1/4"	14	3,2	23	16	55	45,1	6,5	16	-
030178	V510818		8	G1/8"	14	3,2	23	16	54	46,6	5	14	-
030179	V510814		8	G1/4"	14	3,2	23	16	56	46,6	6,5	16	-

Function

These in-line pressure gauges with extremely reduced overall dimensions allow to check the actual pressure in the specific area where they are installed.

Technical data

Type	V51			
Tube size	Ø 6		Ø 8	
Thread size	1/8"	1/4"	1/8"	1/4"
Fluid	Compressed air			
Pressure range	0 ÷ 10 bar			
Temperature range	0°C ÷ +70°C			
Parallel threads	UNI - ISO 228 / 1 (BSP)			
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)			
Tubes tolerance	±0,05 mm			

Standard materials

Type	V51												
Body	Acetalic resin (POM)												
Pressure-gauge	ABS												
Pressure-gauge seat	Metal												
Thread	Nickel-plated brass												
Fitting	Series RT (see page 4.7.1)												
Seals	NBR												

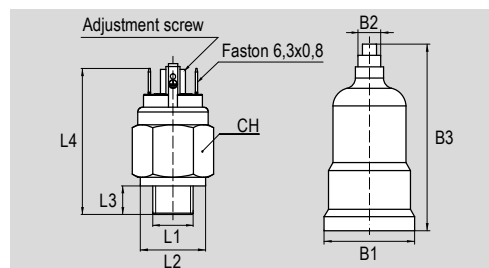
Accessories with integrated function

Adjustable pressure switches



Main features

Type	Description	Symbol
PR..A	Adjustable pressure switches normally open	
PR..C	Adjustable pressure switches normally closed	



Dimensions

Code	Item	Symbol	L1	Ø L2	L3	L4	CH	Ø B1	Ø B2	B3	Weight (g)
024391	PR18A		G1/8"	22,2	10	51	24	32	5	66	65
024392	PR18C		G1/8"	22,2	10	51	24	32	5	66	65
024394	PR14C		G1/4"	22,2	10	51	24	32	5	66	65

Function

Adjustable pressure switches are designed to control the minimum and maximum pressure of compressed air in a pneumatic system or in a circuit. Are made with a NO/NC electrical contact capable of controlling an electrical load of 0.5A with a voltage of 250V. It is advisable to mount the pressure switch vertical to the line to control, in order to avoid collecting of impurities or condensate inside the body, which could block the regular operation or change the switching pressure. Through the adjustment screw, the value of the switching pressure can be recreated after removing the contact holder.

Technical data

Type	PR18A	PR18C	PR14C
Fluid	Filtered compressed air with or without lubrication		
Regulation range	1 ÷ 10 bar ($\pm 0,5 - 20^\circ$)		
Maximum overpressure limit	80 bar		
Maximum fluid pressure	40 bar		
Port	1/8" Gas taper (BSPT)		1/4" Gas BSPT (BSPT)
Function	Normally open	Normally closed	Normally closed
Maximum switch voltage	250 V		
Maximum switch current	0,5 A		
Acting type	1B		
Pollution situation	Normal		
Protection class	IP 00 (without cap) - IP 54 (with cap)		
Temperature range	$-15^\circ\text{C} \div +100^\circ\text{C}$		
Mechanical working life	10^6 cycles		
Electrical working life	10^5 cycles		
Compliance	EN60730-i		

Standard materials

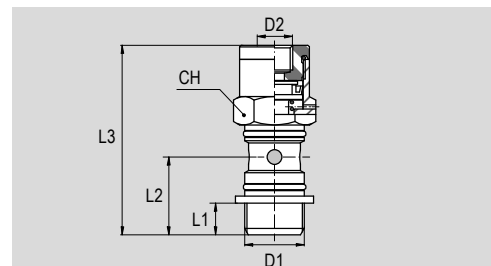
Type	PR
Body	Brass
Silver-plated electric contacts	Silver AgNi
Diaphragm	NBR
Contact holder	Rubber

Accessories with integrated function

Stop valves

Main features

Type	Description	Symbol
V45..U 	Uni-directional stop valve. In nickel-plated brass.	
V45..B 	Bi-directional stop valve. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	D1	D2	L1	L2	L3	CH	Weight (g)
030133 	V450018U		G1/8"	M5x0,8	6,2	15,5	42,8	13	24
030123 	V450014U		G1/4"	M5x0,8	8,2	18,3	47,5	17	46
030124 	V450038U		G3/8"	G1/8"	9,2	21	55	20	77,5
030134 	V450012U		G1/2"	G1/8"	10,5	25	61,5	25	138,5
030135	V450018B		G1/8"	M5x0,8	6,2	15,5	42,8	13	24
030136	V450014B		G1/4"	M5x0,8	8,2	18,3	47,5	17	46
030137	V450038B		G3/8"	G1/8"	9,2	21	55	20	77,5
030138	V450012B		G1/2"	G1/8"	10,5	25	61,5	25	138,5

Technical data

Type	V45				
Size	1/8"	1/4"	3/8"	1/2"	
Fluid	Filtered compressed air with or without lubrication				
Pressure range	0 ÷ 10 bar				
Piloting pressure range	See page 4.127.11				
Temperature range	-20°C ÷ +80°C				
Parallel threads	UNI - ISO 228 / 1 (BSP)				
Function	See page 4.127.11				
Matching with banjo fittings	See page 4.127.12				
Flow at 6 bar with ΔP 1 bar	Uni-directional	170 NI/min	345 NI/min	700 NI/min	1.050 NI/min
	Bi-directional	440 NI/min	660 NI/min	965 NI/min	1.450 NI/min

Standard materials

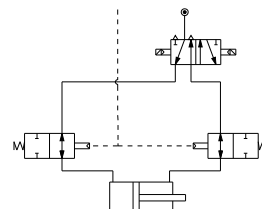
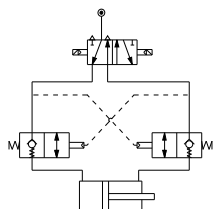
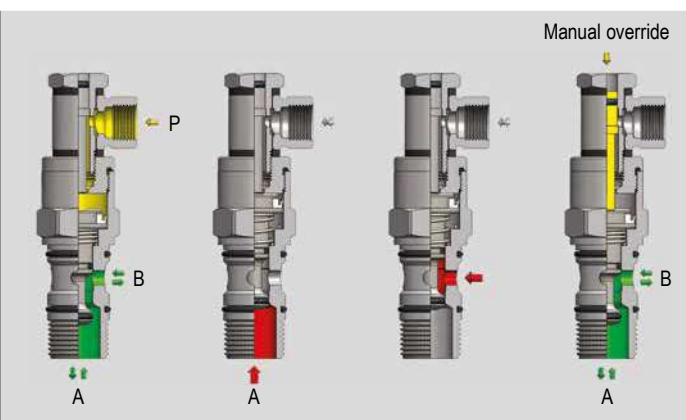
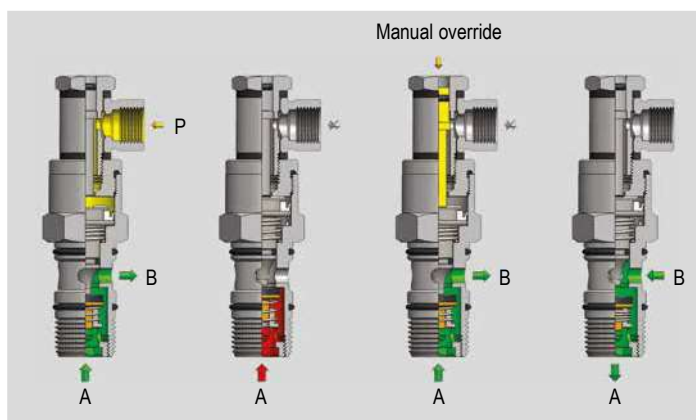
Type	V45
Body	Nickel-plated brass
Piston	Stainless Steel AISI 304
Spring	Stainless Steel AISI 302
Washer	PA6
Seals	NBR - Polyurethane (PU)

Function (with K option)

Type V45..U
(Uni-directional)



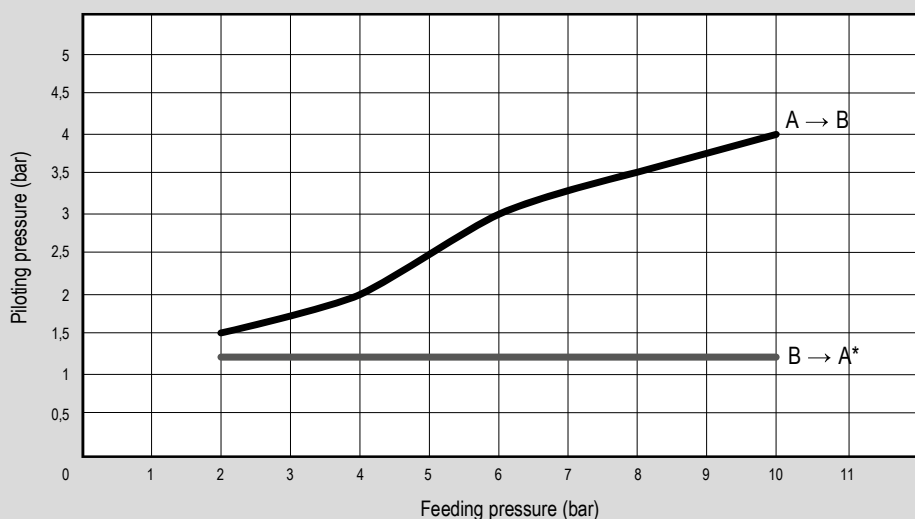
Type V45..B
(Bi-directional)



Series of stop valves available in uni-directional and bi-directional versions. When mounted in pairs on a cylinder, they block the movement in the event of a sudden drop in piloting pressure.

By means of the manual release device (with option K, available on request) it is possible to manually reset the piston stroke.

Piloting pressure in function of feeding pressure



*Only for bi-directional versions (type V45..B)

Matching with banjo series R



Code	Item	For thread	Tube ext. Ø
020733	R 35 04 18	1/8"	4
020736	R 35 06 18	1/8"	6
020737	R 35 06 14	1/4"	6
020738	R 35 08 18	1/8"	8
020739	R 35 08 14	1/4"	8
020740	R 35 08 38	3/8"	8
020741	R 35 10 14	1/4"	10
020742	R 35 10 38	3/8"	10
020743	R 35 12 38	3/8"	12
020744	R 35 12 12	1/2"	12

Matching with banjo series RT



Code	Item	For thread	Tube ext. Ø
029392	RT 28 04 18	1/8"	4
029393	RT 28 06 18	1/8"	6
029394	RT 28 06 14	1/4"	6
029395	RT 28 08 18	1/8"	8
029396	RT 28 08 14	1/4"	8
029397	RT 28 08 38	3/8"	8
029398	RT 28 10 14	1/4"	10
029399	RT 28 10 38	3/8"	10

Matching with banjo series C



Code	Item	For thread	Tube ext. Ø
021318	C 23 04 18	1/8"	4
021303	C 23 05 18	1/8"	5
021306	C 23 06 18	1/8"	6
021307	C 23 06 14	1/4"	6
021308	C 23 08 18	1/8"	8
021309	C 23 08 14	1/4"	8
021310	C 23 08 38	3/8"	8
021311	C 23 10 14	1/4"	10
021312	C 23 10 38	3/8"	10

Matching with banjo series O



Code	Item	For thread	Tube ext. Ø
022056	O 25 06 18	1/8"	6
022057	O 25 06 14	1/4"	6
022058	O 25 08 18	1/8"	8
022059	O 25 08 14	1/4"	8

Matching with banjo series A



Code	Item	For thread	Thread
022871	A042 18 18	1/8"	1/8"
022872	A042 14 14	1/4"	1/4"
022873	A042 38 38	3/8"	3/8"
022874	A042 12 12	1/2"	1/2"

Matching with stud push-in fittings type R12



Code	Item	Valve size
020031	R 12 04 M5	1/8"-1/4"
020051	R 12 06 M5	1/8"-1/4"
020037	R 12 06 18	3/8"-1/2"
020039	R 12 08 18	3/8"-1/2"

Matching with elbow push-in fittings type R41



Code	Item	Valve size
020191	R 41 04 M5	1/8"-1/4"
020211	R 41 06 M5	1/8"-1/4"
020196	R 41 06 18	3/8"-1/2"
020198	R 41 08 18	3/8"-1/2"

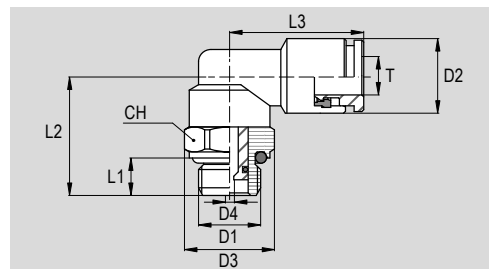
Accessories with integrated function

Throttle fittings



Main features

Type	Description	Symbol
V44	Push-in elbow throttle fitting. In nickel-plated brass.	



Dimensions

Code	Item	Symbol	T (Øe tube)	D1	D2	D3	D4	L1	L2	L3	CH	Weight (g)
-	V44 04 M5 ..*		4	M5x0,8	9,1	10	*	4	12,5	18,5	6	11,4
-	V44 04 18 ..*		4	G1/8"	9,1	14,5	*	5	18,2	19,5	13	18
-	V44 06 M5 ..*		6	M5x0,8	12	10	*	4	12,5	21,5	6	13
-	V44 06 18 ..*		6	G1/8"	12	14,5	*	5	18,2	22	13	20
-	V44 06 14 ..*		6	G1/4"	12	16	*	6,5	22,7	22	13	24
-	V44 08 18 ..*		8	G1/8"	14	14,5	*	5	18	22,5	13	22
-	V44 08 14 ..*		8	G1/4"	14	16	*	6,5	22,5	22,5	13	26

*Note: is required to indicate the calibrated hole diameter desired. For choosing the quote D4, please refer to the table below.

Technical data

Type	V44
Fluid	Filtered compressed air with lubrication
Pressure range	0 ÷ 15 bar
Temperature range	-20°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)

Standard materials

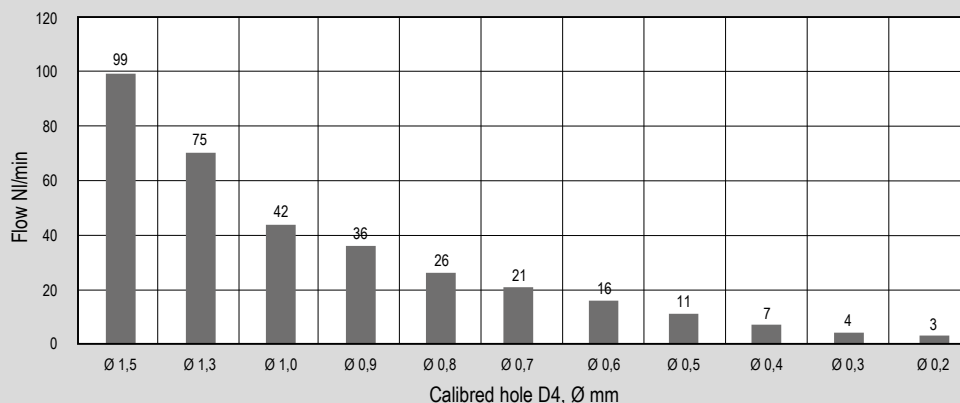
Type	V44
Body	Nickel-plated brass
Fitting	Series R (see page 4.3.1)
Seals	NBR

Function

These fittings have an internal bush, with a calibrated hole whose diameter results in a flow restriction. Typical uses of these components are applications where the desired flow or cylinders speed is known in advance and following adjustments are not required. The advantages of using throttle fittings is the impossibility of making unwanted adjustments to the flow and the constancy over time of the adjustment, which is essential in the presence of vibrations.

Flow diagram

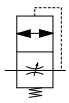
P = 6 bar, with ΔP 1 bar

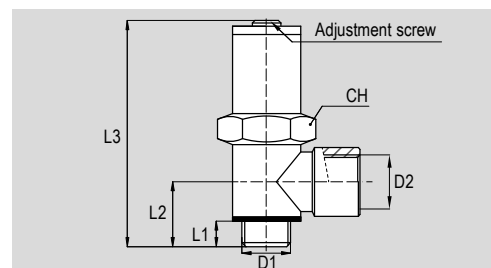


Accessories with integrated function

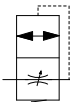
Slow starters

Main features

Type	Description	Symbol
V61	Slow starters. In nickel-plated brass.	

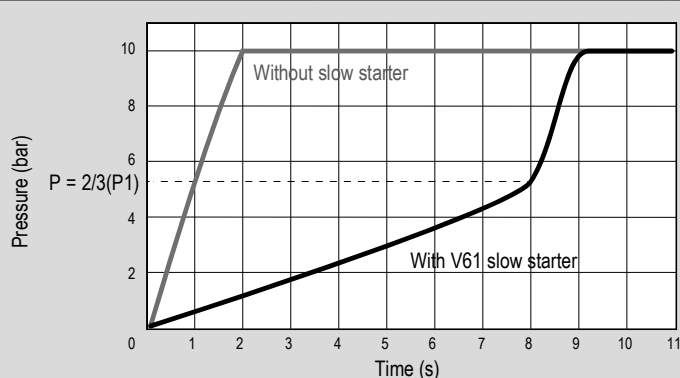


Dimensions

Code	Item	Symbol	D1	D2	L1	L2	L3	CH	Weight (g)
024475	V61 00 14		G1/4"	G1/4"	6,7	17	63,9	20	99
024476	V61 00 38		G3/8"	G3/8"	9,2	21	69,4	20	130
024477	V61 00 12		G1/2"	G1/2"	10,5	24,5	72,4	25	180

Technical data

Type	V61		
Size	1/4"	3/8"	1/2"
Fluid	Compressed air		
Pressure range (P1)	3 ÷ 10 bar		
Full open	2/3 of P1		
Temperature range	-20°C ÷ +80°C		
Parallel threads	UNI - ISO 228 / 1 (BSP)		
Flow at 6 bar with ΔP 1 bar	1.040 NI/min	1.900 NI/min	2.570 NI/min



The slow starter allows the system to be gradually pressurised, protecting any actuators in the line from the so-called "water hammer" caused by immediate pressurisation of the previously unloaded system. Slowly opening, as the user setting through the adjustment screw, this component progressively introduces pressure into the circuit up to the desired pressure P1, within the indicated operating range (3 ÷ 10 bar), allowing the actuators to reach the operating position gradually and without suffering any sudden shocks. The filling speed of the circuit is determined by the rotation of the adjustment needle: turning clockwise will result in increasingly slower filling.

Standard materials

Type	V61
Body	Nickel-plated brass
Spring	Stainless Steel AISI 302
Ring	Nickel-plated brass
Seals	NBR - Polyurethane (PU)
Washer	Nylon (PA6)

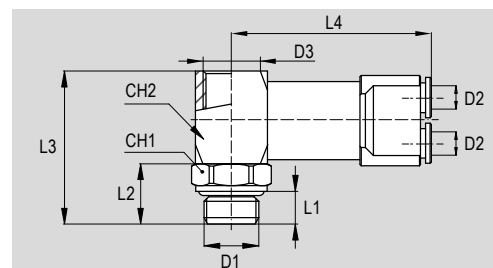
Accessories with integrated function

Threshold sensors



Main features

Type	Description	Symbol
V62	Threshold sensor. In nickel-plated brass.	-



Dimensions

Code	Item	Symbol	D1	D2	D3	L1	L2	L3	L4	CH1	CH2	Weight (g)
024008	V62 00 18	-	G1/8"	4	G1/8"	5	11	27	39	14	16	69
024010	V62 00 14		G1/4"	4	G1/4"	6,5	13	33	41	16	16	78,3
024011	V62 00 38		G3/8"	4	G3/8"	7	14,5	34,5	43,3	20	20	98

Technical data

Type	V62
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-20°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Function	See page 4.130.11
Commutation pressure range	See table below

Standard materials

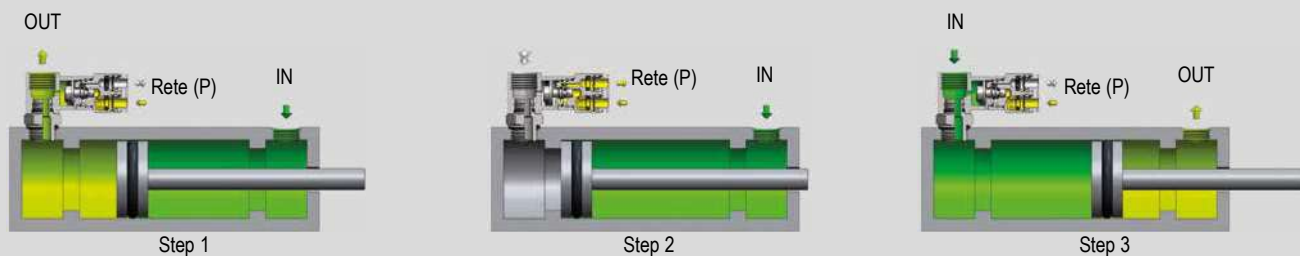
Type	V62
Body	Nickel-plated brass
Fitting	Series R (see page 4.3.1)
Seals	NBR

Pressure range / Commutation pressure range

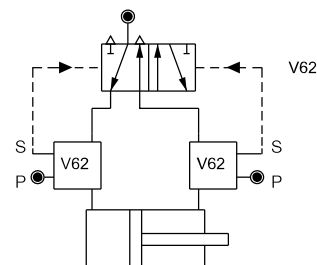
Type V62								
Pressure range	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
Commutation pressure range	0,3 bar	0,5 bar	0,65 bar	0,9 bar	1,0 bar	1,2 bar	1,4 bar	1,6 bar

Function

Type V62



Pneumatic limit switches can detect a pressure drop, and in this case send a signal (S). Particularly interesting is the application as a 'limit switch sensor' mounted directly to the cylinder. When the cylinder complete the stroke, i.e. when the exhaust backpressure in the chamber was discharged, a control signal (S) is sent to the directional valve, which, when switched, will send the input to the cylinder to reverse the stroke. The main advantage is that the cylinder stroke can be controlled without need for electrical wiring. The only condition imposed for correct operation of the pneumatic sensor is that the cylinder must make the full stroke, no intermediate positions are permitted.



Notes

SILENCERS



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key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Silencers available in different type, materials, functions and threads. To apply at the exhaust to reduce noise. Supplied as standard in compliance to Reach and RoHS directives.



Silencers in plastic polymer from page 4.151.10



Series of plastic polymer silencers. Available in different versions. Sizes from M5 to 1".



Sintered silencers from page 4.153.10



Series of sintered silencers. Available in different shapes and types. Sizes from M5 to 1".



Metal silencers from page 4.155.10



Series of metal silencers. Available in two versions: with aluminium body and noise absorbing cartridge (M, MR and MD types) and in zinc-plated steel with stainless steel cartridge (type MI). Sizes from 1/8" to 6".



Silencers
In plastic polymer



Code key

Type	Size ⁽¹⁾	Color ⁽¹⁾	Thread option ⁽²⁾
SPD	18	BL	NPT
SPD	M5 = M5x0,8	04 = Ø 4 mm	NPT = NPT thread (according to ANSI B 1.20.1)
SPF	18 = 1/8"	06 = Ø 6 mm	
SPS	14 = 1/4"	08 = Ø 8 mm	
AS19	38 = 3/8"	10 = Ø 10 mm	
AS22	12 = 1/2"	12 = Ø 12 mm	
	34 = 3/4"		
	1 = 1"		
		BL = Blue	
		NE = Black	
		GI = Yellow	
		NT = White	

Notes

For standard materials see single product data sheets.

(1) For matching between type, thread or stem and color, see from page 4.151.11; for specific type, see the following pages.

(2) Available only for series SPF (sizes from 1/8" to 1/2") and series AS19 (sizes from 1/8" to 1").

How to order type SPD and SPF

Type	Size	Color	Option
SPD	18	BL	NPT

How to order type AS19 and SPS

Type	Size	Option
AS19	18	NPT

How to order type AS22

Type	Size
AS22	08

Silencers in plastic polymer

Type		Parallel threads (BSP)	Metric threads	Stem Ø mm	Color			Data sheet and code page
SPD	Acetalic resin silencer, dynamic (self-cleaning) with BSP threads	1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	 BL	 NE	 GL	4.151.12
SPF	Acetalic resin silencer, static (felt) with BSP threads	1/8", 1/4", 3/8", 1/2"	-	-	 BL	 NE	 NT	4.151.14
		3/4", 1"	-	-	 BL	 NE	 GL	4.151.16
SPS	Polyacetal and polyethylene silencer, static, high flow rate, with BSP threads	1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	 NE			4.151.18
AS19	Polyethylene silencer, with BSP threads	1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-				4.151.20
AS22	Polyethylene silencers, with stem	-	-	4, 6, 8, 10, 12				4.151.22

Silencers

In plastic polymer, series SPD



Main features

Type	Description	Symbol
SPD 	Acetalic resin silencer, dynamic and self-cleaning. The sound absorbing material, composed by moving elements, avoid the risk of obstructions maintaining constant in time the air flow.	



Technical data

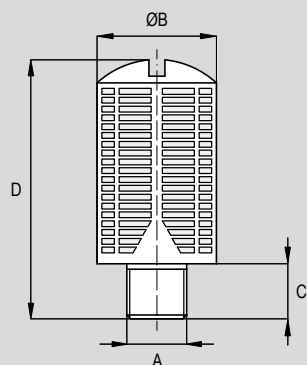
Type	SPD					
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air					
Pressure range	0 ÷ 6 bar					
Temperature range	-10°C ÷ +70°C					
Parallel threads	UNI - ISO 228 / 1 (BSP)					
Mounting	Any position					
Filtering element porosity	-					
Flow at 6 bar with ΔP 1 bar	700 NI/min.	1.100 NI/min.	2.900 NI/min.	2.900 NI/min.	5.000 NI/min.	5.000 NI/min.
Noise at 6 bar from 1 mt.	< 90 dB					

Standard materials

Type	SPD
Body	Acetalic resin (POM)
Noise-absorbing material	Acetal resin (POM) granulate

Standard dimensions

Type: **SPD**
1/8" ÷ 1"



Code	Item	Symbol	Color	A	ØB	C	D	Weight (g)
016001	SPD18BL		Blue	G1/8"	15,5	6	32,5	3
016002	SPD14BL		Blue	G1/4"	19,5	8	43	6,5
016003	SPD38BL		Blue	G3/8"	24,5	11	58	14
016004	SPD12BL		Blue	G1/2"	24,5	11	58	15,5
016005	SPD34BL		Blue	G3/4"	48	18	115	107,5
016006	SPD01BL		Blue	G1"	48	18	115	110,5
016011	SPD18NE		Black	G1/8"	15,5	6	32,5	3
016012	SPD14NE		Black	G1/4"	19,5	8	43	6,5
016013	SPD38NE		Black	G3/8"	24,5	11	58	14
016014	SPD12NE		Black	G1/2"	24,5	11	58	15,5
016015	SPD34NE		Black	G3/4"	48	18	115	107,5
016016	SPD01NE		Black	G1"	48	18	115	110,5
010001	SPD18GI		Yellow	G1/8"	15,5	6	32,5	3
010002	SPD14GI		Yellow	G1/4"	19,5	8	43	6,5
010003	SPD38GI		Yellow	G3/8"	24,5	11	58	14
010004	SPD12GI		Yellow	G1/2"	24,5	11	58	15,5
010005	SPD34GI		Yellow	G3/4"	48	18	115	107,5
010006	SPD01GI		Yellow	G1"	48	18	115	110,5

Silencers

In plastic polymer, series SPF



Main features

Type	Description	Symbol
SPF 	Acetalic resin silencer, with noise-absorbing element in felt and metal net.	



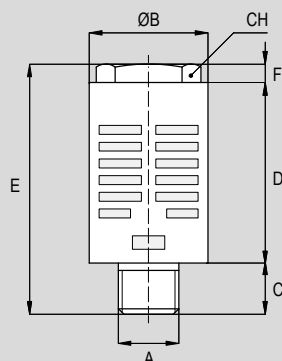
Technical data

Type	SPF			
Size	1/8"	1/4"	3/8"	1/2"
Fluid	Compressed air			
Pressure range	0 ÷ 6 bar			
Temperature range	-10°C ÷ +70°C			
Parallel threads	UNI - ISO 228 / 1 (BSP)			
Mounting	Any position			
Filtering element porosity	-			
Flow at 6 bar with ΔP 1 bar	650 NI/min.	1.050 NI/min.	2.760 NI/min.	2.760 NI/min.
Noise at 6 bar from 1 mt.	< 90 dB			

Standard materials

Type	SPF
Body	Acetalic resin (POM)
Noise-absorbing material	Pressed felt and aluminium net

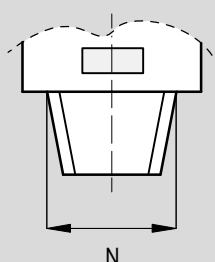
Standard dimensions



Type: **SPF**
1/8" ÷ 1/2"

Code	Item	Symbol	Color	A	ØB	C	CH	D	E	F	Weight (g)
017031	SPF18BL		Blue	G1/8"	15,5	6	10	25,5	33	2,5	4
017032	SPF14BL		Blue	G1/4"	19,5	8	12	32	43	3	6
017033	SPF38BL		Blue	G3/8"	24,5	11	16	44	58	3	11,5
017034	SPF12BL		Blue	G1/2"	24,5	11	16	44	58	3	13,5
010021	SPF18NE		Black	G1/8"	15,5	6	10	25,5	33	2,5	4
010022	SPF14NE		Black	G1/4"	19,5	8	12	32	43	3	6
010023	SPF38NE		Black	G3/8"	24,5	11	16	44	58	3	11,5
010024	SPF12NE		Black	G1/2"	24,5	11	16	44	58	3	13,5
017021	SPF18NT		White	G1/8"	15,5	6	10	25,5	33	2,5	4
017022	SPF14NT		White	G1/4"	19,5	8	12	32	43	3	6
017023	SPF38NT		White	G3/8"	24,5	11	16	44	58	3	11,5
017024	SPF12NT		White	G1/2"	24,5	11	16	44	58	3	13,5

Dimensions with NPT option



Type: **SPF..NPT**
1/8" ÷ 1/2"

Code	Item	Symbol	N
*	SPF18..NPT		1/8" - 27 NPT
*	SPF14..NPT		1/4" - 18 NPT
*	SPF38..NPT		3/8" - 18 NPT
*	SPF12..NPT		1/2" - 14 NPT

* For code please contact the sales department

Silencers

In plastic polymer, series SPF



Main features

Type	Description	Symbol
SPF	Acetalic resin silencer, with noise-absorbing element in felt and metal net.	



Technical data

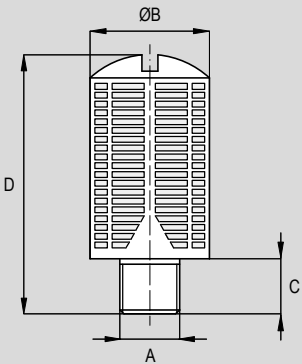
Type	SPF	
Size	3/4"	1"
Fluid	Compressed air	
Pressure range	0 ÷ 6 bar	
Temperature range	-10°C ÷ +70°C	
Parallel threads	UNI - ISO 228 / 1 (BSP)	
Mounting	Any position	
Filtering element porosity	-	
Flow at 6 bar with ΔP 1 bar	-	-
Noise at 6 bar from 1 mt.	< 90 dB	

Standard materials

Type	SPF
Body	Acetalic resin (POM)
Noise-absorbing material	Pressed felt and aluminium net

Standard dimensions

Type: **SPF**
3/4" ÷ 1"



Code	Item	Symbol	Color	A	ØB	C	D	Weight (g)
017035	SPF34BL		Blue	G3/4"	48	18	115	69,5
017036	SPF01BL		Blue	G1"	48	18	115	72,5
010025	SPF34NE		Black	G3/4"	48	18	115	69,5
010026	SPF01NE		Black	G1"	48	18	115	72,5
017045	SPF34GI		Yellow	G3/4"	48	18	115	69,5
017046	SPF01GI		Yellow	G1"	48	18	115	72,5

Silencers

In plastic polymer, series SPS



Main features

Type	Description	Symbol
SPS	Polyacetal silencer, static and high flow. The dimensions and the micro-porous polyethylene noise-absorbing grant high flow rates and low noise values.	

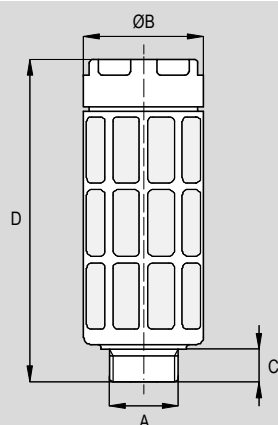
Technical data

Type	SPS					
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air					
Pressure range	0 ÷ 10 bar					
Temperature range	-10°C ÷ +70°C					
Parallel threads	UNI - ISO 228 / 1 (BSP)					
Mounting	Any position					
Filtering element porosity	-					
Flow at 6 bar with ΔP 1 bar	2.050 NI/min.	3.400 NI/min.	5.900 NI/min.	10.600 NI/min.	15.000 NI/min.	19.900 NI/min.
Noise at 6 bar from 1 mt.	< 77 dB	< 77 dB	< 82 dB	< 80 dB	< 83 dB	< 84 dB

Standard materials

Type	SPS
Body	Polyacetal
Noise-absorbing material	Polyethylene

Standard dimensions



Type: **SPS**
1/8" ÷ 1"

Code	Item	Symbol	Color	A	ØB	C	D	Weight (g)
016171	SPS18NE		Black	G1/8"	15,2	5,2	35,5	2
016172	SPS14NE		Black	G1/4"	19,2	6,5	56,4	8
016173	SPS38NE		Black	G3/8"	33,2	7	77,5	30
016174	SPS12NE		Black	G1/2"	43	9	88	58
016175	SPS34NE		Black	G3/4"	44,5	10,5	119,5	83
016176	SPS01NE		Black	G1"	55	11,5	124,5	140

Silencers

In plastic polymer, series AS19



Main features

Type	Description	Symbol
AS19 	Compact polyethylene silencer, with threaded connections.	



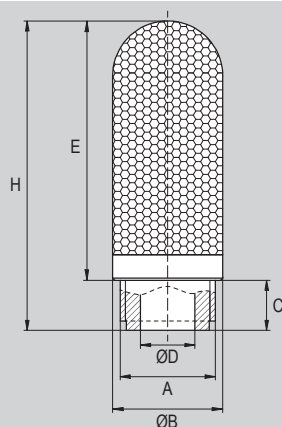
Technical data

Type	AS19						
Size	M5	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Compressed air						
Pressure range	0 ÷ 10 bar						
Temperature range	-20°C ÷ +80°C						
Parallel threads	UNI - ISO 228 / 1 (BSP)						
Metric threads	UNI EN ISO 965-1						
Mounting	Any position						
Filtering element porosity	50 µm						
Flow at 6 bar with ΔP 1 bar	381 NI/min.	1.560 NI/min.	3.447 NI/min.	5.682 NI/min.	7.142 NI/min.	8.356 NI/min.	13.329 NI/min.
Noise	-	78 dB	80 dB	85 dB	88 dB	-	-
Flow tolerance	±10%						

Standard materials

Type	AS19
Body	Polyethylene
Noise-absorbing material	Porous polyethylene

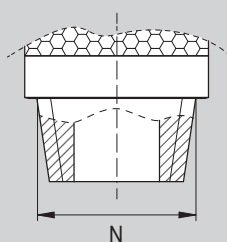
Standard dimensions



Type: **AS19**
M5 ÷ 1"

Code	Item	Symbol	Color	A	ØB	C	ØD	E	H	Weight (g)
016108	AS19M5		-	M5x0,8	7	4	3	18	22	-
016103	AS1918		-	G1/8"	13	7	5	28	35	-
016102	AS1914		-	G1/4"	17	9	8	34	43	-
016104	AS1938		-	G3/8"	20	11	10	56	67	-
016105	AS1912		-	G1/2"	25	11	12	67	78	-
016106	AS1934		-	G3/4"	38	16	16	116	131	-
016107	AS1901		-	G1"	48	20	22	140	160	-

Dimensions with NPT option



Type: **AS19..NPT**
1/8" ÷ 1"

Code	Item	Symbol	N
*	AS1918NPT		1/8" NPT
*	AS1914NPT		1/4" NPT
*	AS1938NPT		3/8" NPT
*	AS1912NPT		1/2" NPT
*	AS1934NPT		3/4" NPT
*	AS1901NPT		1" NPT

* For code please contact the sales department

Silencers

In plastic polymer, series AS22



Main features

Type	Description	Symbol
AS22	Compact polyethylene silencer, with stem.	



Technical data

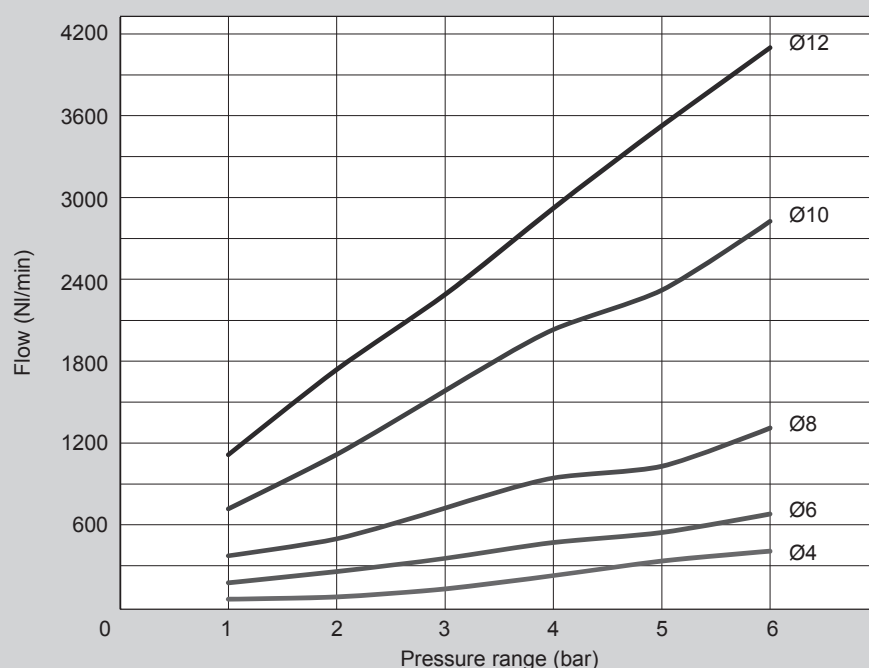
Type	AS22				
Size	Ø 4	Ø 6	Ø 8	Ø 10	Ø 12
Fluid	Compressed air				
Pressure range	0 ÷ 10 bar				
Temperature range	-20°C ÷ +80°C				
Stem	For push-in fittings				
Mounting	Any position				
Filtering element porosity	50 µm				
Flow* at 6 bar with ΔP 1 bar	380 NI/min.	660 NI/min.	1.310 NI/min.	2.800 NI/min.	4.100 NI/min.
Flow tolerance	±10%				

*For further details refer to the table below

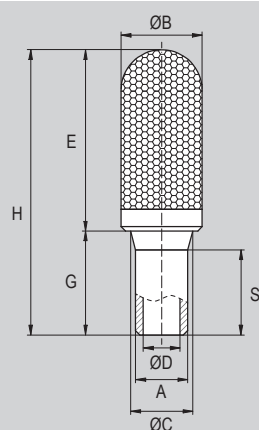
Standard materials

Type	AS22
Body	Polyethylene
Noise-absorbing material	Porous polyethylene

Flow diagram



Standard dimensions



Type: **AS22**
Ø 4 ÷ 12

Code	Item	Symbol	Color	A	ØB	ØC	ØD	E	G	H	S	Weight (g)
016151	AS2204		-	4	7	5	3	16	16	32	15	-
016152	AS2206		-	6	13	8	4	25	21	46	17	-
016153	AS2208		-	8	14	10	5	22	22	44	18	-
016154	AS2210		-	10	16	13	7	31	27	58	23	-
016155	AS2212		-	12	19	15	9	54	29	83	25	-



Code key

Type	Size ⁽¹⁾	Option
ACQ	18	N
AC	M5 = M5x0,8	N = Fully nickel-plated
ACQ	18 = 1/8"	
AE	18F = 1/8" female	
AEA	14 = 1/4"	
AEB	38 = 3/8"	
ACT	12 = 1/2"	
AEP	34 = 3/4"	
AFE	01 = 1"	
AP	21 = 1 1/2"	
AT	20 = 2"	
ATT		
ACI ⁽²⁾		

Notes

For standard materials see single product data sheets.
(1) For matching between type and thread (or stem), see from page 4.153.11; for the specific type, see the following pages.
(2) Available with stem only.

How to order

Type	Size
AE	18

How to order type ACI

Type	Size
ACI	08

How to order with N option

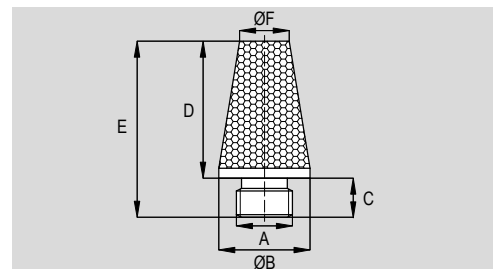
Type	Size	Option
ACQ	18	N

Sintered silencers

Type			Parallel threads (BSP)	Metric threads	Stem Ø mm	Data sheet and code page
AC	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in brass.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.12
ACQ	Silencer with truncated cone with hexagonal wrench on top filtering element in sintered spherical bronze and nipple in brass.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.13
AE	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.		1/8", 1/8"F, 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.14
AEA	Silencer with extended truncated cone filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.		1/8", 1/8"F, 1/4", 3/8", 1/2", 3/4", 1", 1 1/2", 2"	M5x0,8	-	4.153.15
AEB	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in copper-plated steel with hexagonal wrench.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.16
ACT	Silencer with truncated cone with slot cut on top, fully made of sintered spherical bronze.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.153.17
ACI	Silencer with truncated cone filtering element in sintered spherical bronze and stem in brass.		-	-	4, 6, 8	4.153.18
AEP	Silencer with flat filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.		1/8", 1/8"F, 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.19
AFE	Silencer with stainless steel mesh filtering element and nipple in brass with hexagonal wrench.		1/8", 1/8"F, 1/4", 3/8", 1/2", 3/4", 1"	M5x0,8	-	4.153.20
AP	Insert silencer with flat filtering element in sintered spherical bronze and nipple in brass.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.153.21
AT	Silencer with cylindrical filtering element in sintered spherical bronze and nipple in brass.		1/8", 1/4"	-	-	4.153.22
ATT	Silencer with cylindrical filtering element with slot cut on top in sintered spherical bronze and nipple in brass.		1/8", 1/4", 3/8", 1/2", 3/4", 1"	-	-	4.153.23

Main features

Type	Description	Symbol
AC	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in brass.	



Dimensions

Code	Item	Symbol	A	Ø B	Ø F	C	D	E	Weight (g)
010037	ACM5		M5x0,8	6	5	4,5	10	14,5	-
010031	AC18		G1/8"	12	8	6	16	22	-
010032	AC14		G1/4"	15	11	6	20	26	-
010033	AC38		G3/8"	19	15	8	30,5	38,5	-
010034	AC12		G1/2"	23	18	9	32	41	-
010035	AC34		G3/4"	31	28	10	33	43	-
010036	AC01		G1"	37	32	12	41	53	-

Technical data

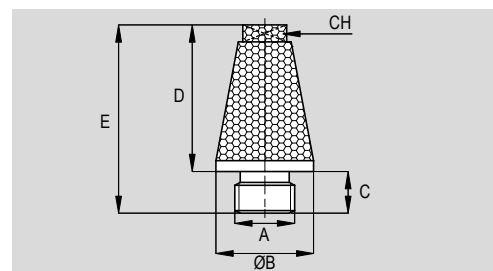
Type	AC
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	36 µm

Standard materials

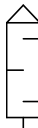
Type	AC
Nipple	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
ACQ	Silencer with truncated cone with hexagonal wrench on top filtering element in sintered spherical bronze and nipple in brass.	



Dimensions

Code	Item	Symbol	A	Ø B	CH	C	D	E	Weight (g)
010057	ACQM5		M5x0,8	12	7	6	16	20	-
010051	ACQ18		G1/8"	12	7	6	16	22	-
010052	ACQ14		G1/4"	15	9	6	20	26	-
010053	ACQ38		G3/8"	19	10	8	30	38	-
010054	ACQ12		G1/2"	23	14	9	32	41	-
010055	ACQ34		G3/4"	31	20	10	41	51	-
010056	ACQ01		G1"	37	23	12	48	60	-

Technical data

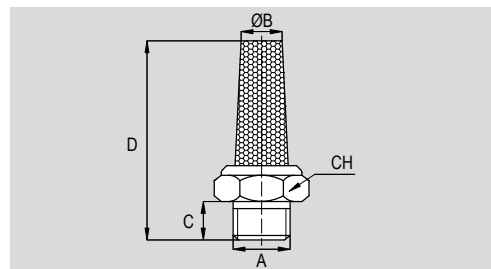
Type	ACQ
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	36 µm

Standard materials

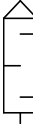
Type	ACQ
Nipple	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
AE 	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.	



Dimensions

Code	Item	Symbol	A	Ø B	CH	C	D	Weight (g)
010127 	AEM5		M5x0,8	4	8	4	16	-
010121 	AE18		G1/8"	7,5	13	6	28	-
010128	AE18F		G1/8"F	7,5	13	6	28	-
010122 	AE14		G1/4"	9	16	8	32	-
010123 	AE38		G3/8"	12	19	7,5	41	-
010124 	AE12		G1/2"	16	24	10	46,5	-
010125	AE34		G3/4"	20,5	30	10	49	-
010126	AE01		G1"	21	36	10	58	-

Technical data

Type	AE
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	36 µm

Standard materials

Type	AE
Nipple	Brass
Filtering element	Sintered spherical bronze

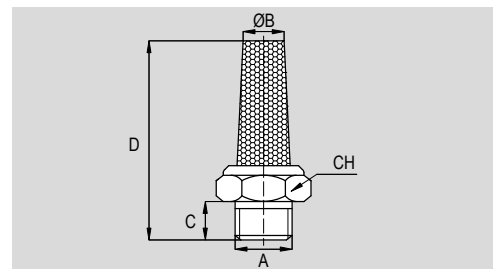
Silencers

Sintered, series AEA

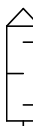


Main features

Type	Description	Symbol
AEA	Silencer with extended truncated cone filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.	



Dimensions

Code	Item	Symbol	A	Ø B	CH	C	D	Weight (g)
010167	AEAM5		M5x0,8	4	8	4	24	-
010161	AEA18		G1/8"	7	13	6	41,5	-
010168	AEA18F		G1/8"F	7	13	6	41,5	-
010162	AEA14		G1/4"	8	16	8	52	-
010163	AEA38		G3/8"	10	19	7,5	55	-
010164	AEA12		G1/2"	14	24	10	67	-
010165	AEA34		G3/4"	15	30	10	67	-
010166	AEA01		G1"	20	36	10,5	78	-
010169	AEA21		G1 1/2"	28	55	20	140	-
010170	AEA20		G2"	36	65	17	215	-

Technical data

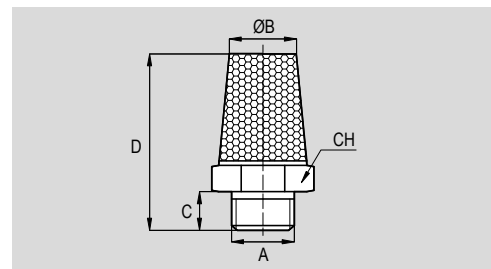
Type	AEA
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	36 µm

Standard materials

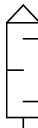
Type	AEA
Nipple	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
AEB	Silencer with truncated cone filtering element in sintered spherical bronze and nipple in copper-plated steel with hexagonal wrench.	



Dimensions

Code	Item	Symbol	A	Ø B	CH	C	D	Weight (g)
010147	AEBM5		M5x0,8	5	7	3,5	18	-
010141	AEB18		G1/8"	8,5	12	4,5	21	-
010142	AEB14		G1/4"	11	15	6	27,5	-
010143	AEB38		G3/8"	14	19	7	35	-
010144	AEB12		G1/2"	17	23	8	42,5	-
010145	AEB34		G3/4"	21	30	9	54	-
010146	AEB01		G1"	26,5	36	11	67	-

Technical data

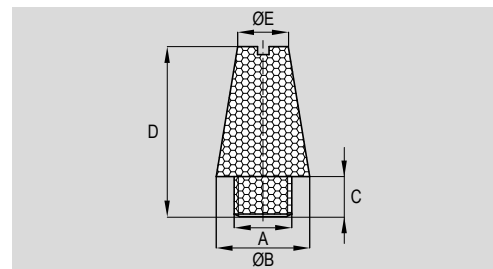
Type	AEB
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	36 µm

Standard materials

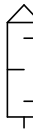
Type	AEB
Nipple	Copper-plated steel
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
ACT	Silencer with truncated cone with slot cut on top, fully made of sintered spherical bronze.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	Ø E	Weight (g)
010265	ACT18		G1/8"	11	5,5	21	8	-
010266	ACT14		G1/4"	14	9	27	10,5	-
010262	ACT38		G3/8"	18	11	36	15	-
010263	ACT12		G1/2"	24	11	44	19	-
010264	ACT34		G3/4"	30	13	65	23,5	-
010261	ACT01		G1"	36	15	75	26	-

Technical data

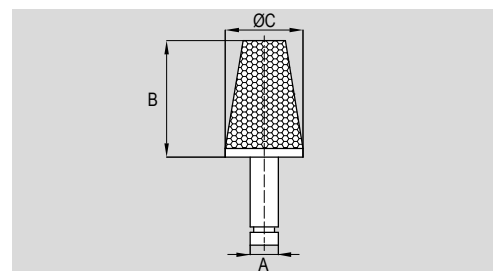
Type	ACT
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Filtering element porosity	36 µm

Standard materials

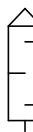
Type	ACT
Nipple	Sintered spherical bronze
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
ACI	Silencer with truncated cone filtering element in sintered spherical bronze and stem in brass.	



Dimensions

Code	Item	Symbol	A	B	Ø C	Weight (g)
010290	ACI04		4	15	10	-
010291	ACI06		6	18	13	-
010292	ACI08		8	25	17	-

Technical data

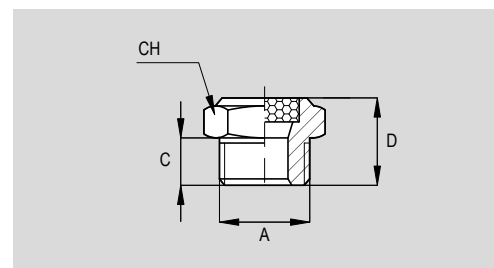
Type	ACI
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Filtering element porosity	36 µm

Standard materials

Type	ACI
Stem	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
AEP 	Silencer with flat filtering element in sintered spherical bronze and nipple in brass with hexagonal wrench.	



Dimensions

Code	Item	Symbol	A	CH	C	D	Weight (g)
010097 	AEP M5		M5x0,8	8	4	8,5	-
010091 	AEP18		G1/8"	13	6	13	-
010098	AEP18F		G1/8"F	13	6	13	-
010092 	AEP14		G1/4"	16	8	17	-
010093 	AEP38		G3/8"	19	7,5	17	-
010094 	AEP12		G1/2"	24	10	19	-
010095	AEP34		G3/4"	30	10	19	-
010096	AEP01		G1"	36	10	20	-

Technical data

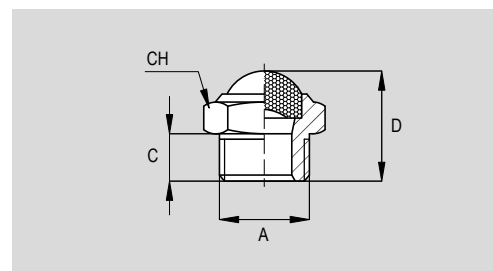
Type	AEP
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	100 µm

Standard materials

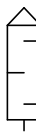
Type	AEP
Nipple	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
AFE 	Silencer with stainless steel mesh filtering element and nipple in brass with hexagonal wrench.	



Dimensions

Code	Item	Symbol	A	CH	C	D	Weight (g)
010317 	AFEM5		M5x0,8	8	4	8,5	-
010311 	AFE18		G1/8"	13	6	16	-
010318	AFE18F		G1/8"F	13	6	16	-
010312 	AFE14		G1/4"	16	8	19	-
010313 	AFE38		G3/8"	19	7,5	19	-
010314 	AFE12		G1/2"	24	10	22	-
010315	AFE34		G3/4"	30	10	25	-
010316	AFE01		G1"	36	10	29	-

Technical data

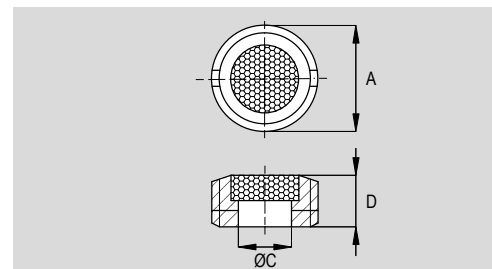
Type	AFE
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Metric threads	UNI EN ISO 965-1
Filtering element porosity	-

Standard materials

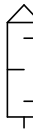
Type	AFE
Nipple	Brass
Filtering element	Stainless Steel

Main features

Type	Description	Symbol
AP	Insert silencer with flat filtering element in sintered spherical bronze and nipple in brass.	



Dimensions

Code	Item	Symbol	A	Ø C	D	Weight (g)
010251	AP18		G1/8"	6	4,5	-
010252	AP14		G1/4"	8	6,5	-
010253	AP38		G3/8"	9,5	7,5	-
010254	AP12		G1/2"	12,5	8,5	-
010255	AP34		G3/4"	19	8,5	-
010256	AP01		G1"	24	10,5	-

Technical data

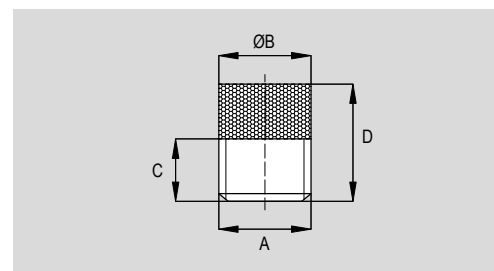
Type	AP
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Filtering element porosity	50 µm

Standard materials

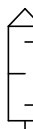
Type	AP
Nipple	Brass
Filtering element	Sintered spherical bronze

Main features

Type	Description	Symbol
AT	Silencer with cylindrical filtering element in sintered spherical bronze and nipple in brass.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	Weight (g)
010211	AT18		G1/8"	10	4	10	-
010212	AT14		G1/4"	13	7	15	-

Technical data

Type	AT
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Filtering element porosity	36 µm

Standard materials

Type	AT
Nipple	Brass
Filtering element	Sintered spherical bronze

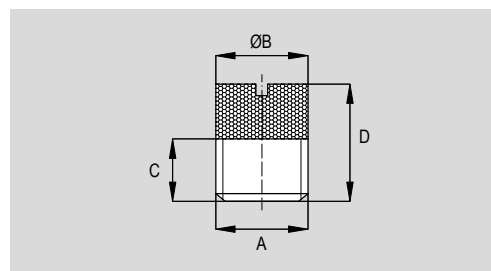
Silencers

Sintered, series ATT

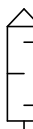


Main features

Type	Description	Symbol
ATT	Silencer with cylindrical filtering element with slot cut on top in sintered spherical bronze and nipple in brass.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	Weight (g)
010231	ATT18		G1/8"	9	4	12,5	-
010232	ATT14		G1/4"	12,5	6	14	-
010233	ATT38		G3/8"	16	7,5	16	
010234	ATT12		G1/2"	20,5	10	19,5	
010235	ATT34		G3/4"	26	11	23	
010236	ATT01		G1"	33	13	24	-

Technical data

Type	ATT
Fluid	Compressed air
Pressure range	0 ÷ 10 bar
Temperature range	-10°C ÷ +80°C
Parallel threads	UNI - ISO 228 / 1 (BSP)
Filtering element porosity	36 µm

Standard materials

Type	ATT
Nipple	Brass
Filtering element	Sintered spherical bronze



Code key

Type	Size ⁽¹⁾	Options	
M	12	NPT	/40
MI	01 = 1/8"	NPT = NPT thread (according to ANSI B 1.20.1)	/40 ⁽²⁾ = Up to 40 bar
M	02 = 1/4"		
MR	00 = 3/8"		
MD	05 = 1/2"		
	07 = 3/4"		
	10 = 1"		
	12 = 1 1/4"		
	15 = 1 1/2"		
	20 = 2"		
	30 = 3"		
	40 = 4"		
	60 = 6"		

How to order

Type	Size	Option	Option
M	12	NPT	/40

Notes

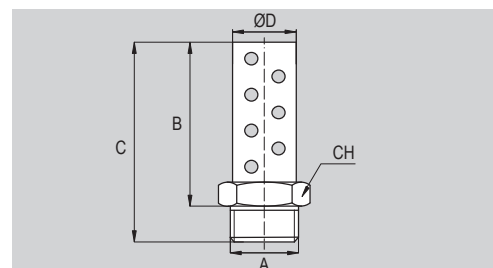
For standard materials see single product data sheets.
For spare cartridges of types M, MR and MD, please see page 4.155.19
(1) For matching between type and thread, see from page 4.155.11; for the specific type, see the following pages.
(2) Available only for types M and MD. The silencer with /40 option have same efficiency features of standard silencers, but in addition is equipped with a safety valve in the top, which allows air to discharge as the output pressure change. Thus avoid risk of damages due to "water hammer" and pulsating pressures.

Metal silencers

Type			Taper threads (BSPT)	Data sheet and code page
MI	Metal slencer with zinc-plated steel body and Stainless Steel cartridge		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.12
M	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.13
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate		3", 4", 6"	4.155.14
MR	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.15
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.		3", 4", 6"	4.155.16
MD	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.		1/8", 1/4", 3/8", 1/2", 3/4" 1", 1 1/4", 1 1/2", 2"	4.155.17
	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.		3", 4", 6"	4.155.18

Main features

Type	Description	Symbol
MI	Metal slencer with zinc-plated steel body and Stainless Steel cartridge	



Dimensions

Code	Item	Symbol	A	B	CH	C	Ø D
011040	MI01		R1/8"	28	11	35	11
011041	MI02		R1/4"	33	14	44	14
011042	MI00		R3/8"	43	18	56	17,5
011043	MI05		R1/2"	52	22	68	22
011044	MI07		R3/4"	64	27	81	27
011045	MI10		R1"	76	33	98	33
011046	MI12		R1-1/4"	90	46	113	42
011047	MI15		R1-1/2"	100,6	50	124,2	50
011048	MI20		R2"	114,7	60	141,2	60

Technical data

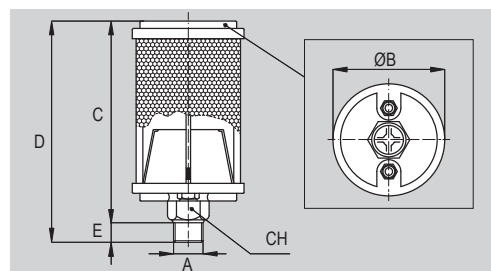
Type	MI								
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Fluid	Compressed air								
Pressure range	0 ÷ 12 bar								
Temperature range	-25°C ÷ +120°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	1.200 Nl/min.	2.200 Nl/min.	3.800 Nl/min.	6.100 Nl/min.	11.300 Nl/min.	15.800 Nl/min.	22.500 Nl/min.	24.800 Nl/min.	49.700 Nl/min.
Flow tolerance	±10%								

Standard materials

Type	MI
Body	Zinc-plated steel
Cartridge	Stainless Steel

Main features

Type	Description	Symbol
M	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011001	M01		R1/8"	47	75,5	83,5	8	11
011002	M02		R1/4"	47	100	112	12	14
011003	M00		R3/8"	66	119	131	12	19
011004	M05		R1/2"	80	136	152	16	22
011005	M07		R3/4"	86	167	184	17	29
011006	M10		R1"	99	203	222	19	35
011007	M12		R1-1/4"	99	199	222	23	43
011008	M15		R1-1/2"	133	322	344	22	51
011009	M20		R2"	133	452	479	27	61

Technical data

Type	M								
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Fluid	Compressed air								
Pressure range	0 ÷ 8,5 bar								
Temperature range	-25°C ÷ +100°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.
Flow tolerance	±10%								

Standard materials

Type	M
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

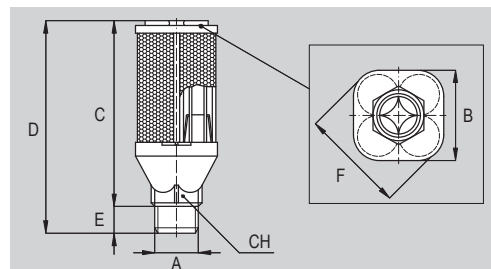
*For spare parts see page 4.155.19

Function

Mufflers type M are suitable for large plant exhausts thanks to their high flow and noise reducing capacity.

Main features

Type	Description	Symbol
M	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011501	M30		R3"	178	550	595	45	215	93
011502	M40		R4"	203	555	595	40	240	120
011503	M60		R6"	279	753	795	42	335	160

Technical data

Type	M		
Size	3"	4"	6"
Fluid	Compressed air		
Pressure range	0 ÷ 8,5 bar		
Temperature range	-25°C ÷ +100°C		
Taper threads	UNI EN 10226-1 (BSPT)		
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.	508.000 NI/min.	1.130.000 NI/min.
Flow tolerance	±10%		

Standard materials

Type	M
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

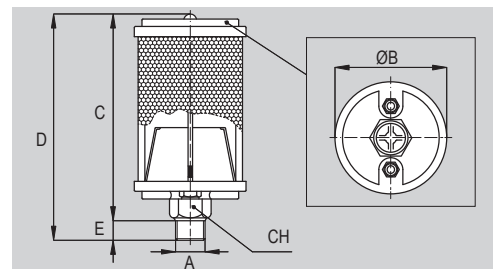
*For spare parts see page 4.155.19

Function

Mufflers type M are suitable for large plant exhausts thanks to their high flow and noise reducing capacity.

Main features

Type	Description	Symbol
MR	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011550	MR01		R1/8"	47	75,5	87	8	11
011551	MR02		R1/4"	47	100	117	12	14
011552	MR00		R3/8"	66	119	136	12	19
011553	MR05		R1/2"	80	136	157	16	22
011554	MR07		R3/4"	86	167	189	17	29
011555	MR10		R1"	99	203	227	19	35
011556	MR12		R1-1/4"	99	199	227	23	43
011557	MR15		R1-1/2"	133	322	350	22	51
011558	MR20		R2"	133	452	485	27	61

Technical data

Type	MR									
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
Fluid	Compressed air									
Pressure range	0 ÷ 12 bar									
Temperature range	-25°C ÷ +100°C									
Taper threads	UNI EN 10226-1 (BSPT)									
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.	
Flow tolerance	±10%									

Standard materials

Type	MR
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

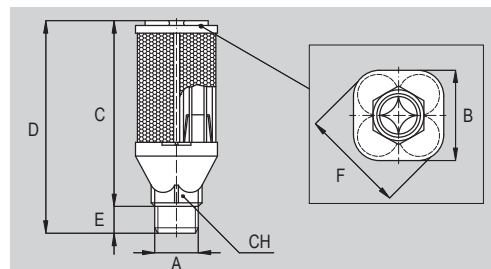
*For spare parts see page 4.155.19

Function

The silencers type MR are equipped with a special balanced relief valve, which automatically discharges excess air when the outlet pressure exceeds the operating limit of the component to avoid damages.

Main features

Type	Description	Symbol
MR	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve.	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011559	MR30		R3"	178	550	600	45	215	93
011560	MR40		R4"	203	555	600	40	240	120
011561	MR60		R6"	279	753	800	42	335	160

Technical data

Type	MR		
Size	3"	4"	6"
Fluid	Compressed air		
Pressure range	0 ÷ 12 bar		
Temperature range	-25°C ÷ +100°C		
Taper threads	UNI EN 10226-1 (BSPT)		
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.	508.000 NI/min.	1.130.000 NI/min.
Flow tolerance	±10%		

Standard materials

Type	MR
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material covered by metal drilled plate

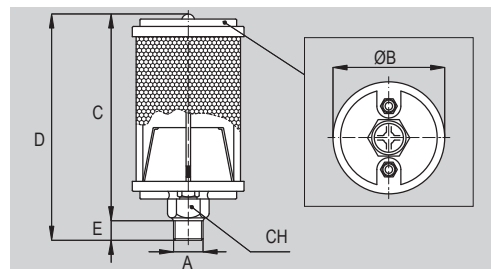
*For spare parts see page 4.155.19

Function

The silencers type MR are equipped with a special balanced relief valve, which automatically discharges excess air when the outlet pressure exceeds the operating limit of the component to avoid damages.

Main features

Type	Description	Symbol
MD	Single chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.	



Dimensions

Code	Item	Symbol	A	Ø B	C	D	E	CH
011540	MD01		R1/8"	47	75,5	87	8	11
011523	MD02		R1/4"	47	100	117	12	14
011524	MD00		R3/8"	66	119	136	12	19
011525	MD05		R1/2"	80	136	157	16	22
011526	MD07		R3/4"	86	167	189	17	29
011527	MD10		R1"	99	203	227	19	35
011528	MD12		R1-1/4"	99	199	227	23	43
011529	MD15		R1-1/2"	133	322	350	22	51
011530	MD20		R2"	133	452	485	27	61

Technical data

Type	MD								
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Fluid	Compressed air								
Pressure range	0 ÷ 12 bar								
Temperature range	-25°C ÷ +100°C								
Taper threads	UNI EN 10226-1 (BSPT)								
Flow at 6 bar with ΔP 1 bar	1.550 NI/min.	3.100 NI/min.	6.210 NI/min.	9.000 NI/min.	19.760 NI/min.	28.230 NI/min.	45.160 NI/min.	73.390 NI/min.	118.600 NI/min.
Flow tolerance	±10%								

Standard materials

Type	MD
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material with dustproof layer and metal net protection, covered by metal drilled plate

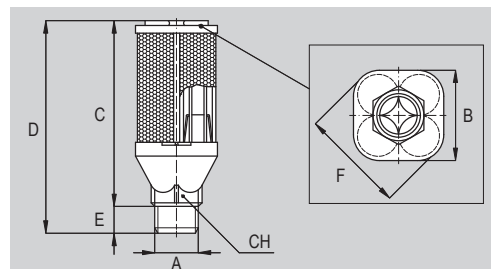
*For spare parts see page 4.155.19

Function

Specifically designed to manage the service issues associated with desiccant regenerative type air dryers, which often expel air laden with moisture and desiccant dust. The primary stage traps particulates, allowing cleaner air to escape freely through the secondary stage, which also have a noise reduction function. Equipped with a safety valve to avoid damages (standard is maximum working pressure 12 bar, while for higher pressure /40 option is required allowing to withstand up to 40 bar).

Main features

Type	Description	Symbol
MD	Four chamber metal muffler, with aluminium body and noise-absorbing material cartridge covered by a metal drilled plate. Equipped with a balanced valve. For air dryers.	



Dimensions

Code	Item	Symbol	A	B	C	D	E	F	CH
011531	MD30		R3"	178	550	600	45	215	93
011532	MD40		R4"	203	555	600	40	240	120
011533	MD60		R6"	279	753	800	42	335	160

Technical data

Type	MD		
Size	3"	4"	6"
Fluid	Compressed air		
Pressure range	0 ÷ 12 bar		
Temperature range	-25°C ÷ +100°C		
Taper threads	UNI EN 10226-1 (BSPT)		
Flow at 6 bar with ΔP 1 bar	254.000 NI/min.	508.000 NI/min.	1.130.000 NI/min.
Flow tolerance	±10%		

Standard materials

Type	MD
Body	Aluminium
Tie-rods	Steel
Cartridge*	Noise-absorbing material with dustproof layer and metal net protection, covered by metal drilled plate

*For spare parts see page 4.155.19

Function

Specifically designed to manage the service issues associated with desiccant regenerative type air dryers, which often expel air laden with moisture and desiccant dust. The primary stage traps particulates, allowing cleaner air to escape freely through the secondary stage, which also have a noise reduction function. Equipped with a safety valve to avoid damages (standard is maximum working pressure 12 bar, while for higher pressure /40 option is required allowing to withstand up to 40 bar).

Silencers

Spare parts for metal silencers series M, MR and MD



Noise-absorbing material covered by metal drilled plate, for metal silencers type M* e MR

Size	Code	Description	Matching
1/8"	011058	Single cartridge	M* MR
1/4"	011059	Single cartridge	
3/8"	011060	Single cartridge	
1/2"	011061	Single cartridge	
3/4"	011062	Single cartridge	
1"	011063	Single cartridge	
1-1/4"			
1-1/2"	011065	Single cartridge	
2"	011066	Single cartridge	
3"	011067	Single cartridge	
3"	011068	Kit four cartridges	
4"	011069	Single cartridge	
4"	011070	Kit four cartridges	
6"	011071	Single cartridge	
6"	011072	Kit four cartridges	

*Compatible also with option /40

Noise-absorbing material with dustproof layer and metal net protection covered by metal drilled plate, for metal silencers type MD*

Size	Code	Description	Matching
1/8"	011077	Single cartridge	MD*
1/4"	011087	Single cartridge	
3/8"	011083	Single cartridge	
1/2"	011078	Single cartridge	
3/4"	011085	Single cartridge	
1"	011082	Single cartridge	
1-1/4"			
1-1/2"	011086	Single cartridge	
2"	011081	Single cartridge	
3"	011079S	Single cartridge	
3"	011079	Kit four cartridges	
4"	011080S	Single cartridge	
4"	011080	Kit four cartridges	
6"	011088S	Single cartridge	
6"	011088	Kit four cartridges	

*Compatible also with option /40

EXHAUST

conveyors



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Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Main features and certifications

Exhaust conveyors. For plants where many ehasust converge into a single silenced element.
Supplied as standard in compliance to Reach and RoHS directives.



Type CSC1

from page 4.170.10



Exhaust conveyors with acetalic resin body.



Main features

Type	Description	Symbol
CSC1	Exhaust conveyors with acetalic resin (POM) body	



Function

The exhaust conveyor series CSC is useful and practical to be used when more exhausts of one or more machines need to be conveyed into one single silencing element; another advantage, compared with the traditional silencer, is that the discharge conveyor keeps the working environment clean, because it not spray the atomised oil from the system in the air.

The various tubes from different machines are connected with the exhaust conveyor upper side by pre mounted push-in fittings (1" female BSP thread can also be used).

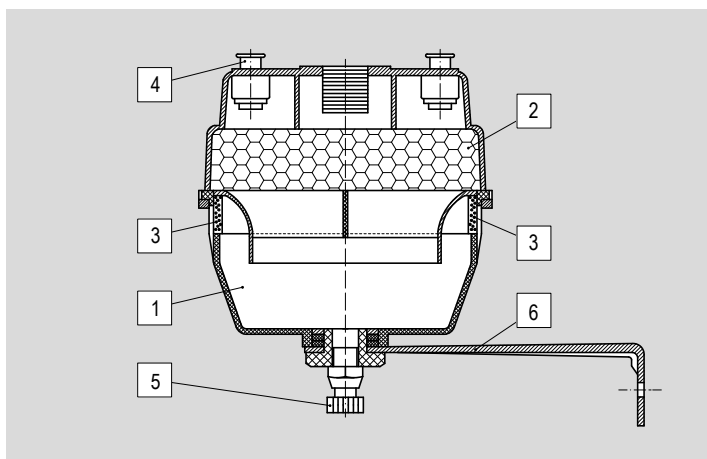
The air mixed with oil flows into the respective chamber and into a thick aluminium wire filter which separates air from oil; the air passes through the filter and then flow outside through a second sintered bronze filter (covering the whole conveyor circumference), while the oil drop in a vessel below, which can be emptied by a manual exhaust placed at the bottom of the component.

Technical data

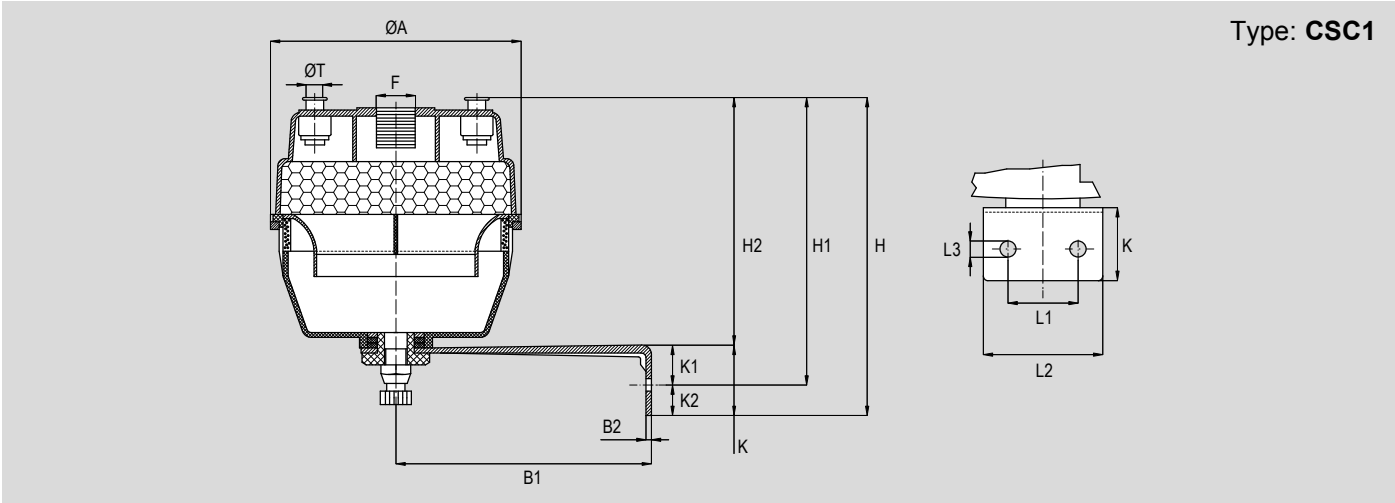
Type	CSC1
Fluid	Compressed air
Pressure range	0 ÷ 12 bar
Temperature range	-20°C ÷ +70°C
Connections	n° 10 push-in fittings for tube Øe. 8 mm; n° 1 BSP female size 1"
Tubes	Calibrated Nylon (PA6), Polyurethane (PU) and Rilsan (PA11)
Tubes tolerance	±0,05 mm

Standard materials

Type		CSC1
1	Body	Acetalic resin (POM)
2	Separator filter	Aluminium mesh
3	External filter	Sintered bronze
4	Connections	Brass
5	Manual exhaust	Brass
6	Bracket	White zinc-plated steel



Standard dimensions



Code	Item	Symbol	ØA	B1	B2	F	ØT	H	H1	H2	K	K1	K2	L1	L2	L3	Weight (g)
080001	CSC1		131	133	3	G1"	8	163,5	147,5	128	33,5	19,5	16	39	59	7	-