ACCESSORIES

Accessories M5 - G1" (Series 600)

Flow control valves / Quick exhaust valves / Exhaust flow control valves Shuttle valves / Silencers / Check valves / Manifolds /Block valves / Gang mounting manifolds / Economizers

Complementary valves (Series 900)

Pressure switches / Impulse generators / Timers / Two hands safety valve / Valve / Oscillator valve / Signal amplifier / Progressive start up valve

Blocking valves G1/8" ÷ G1/2" (Series 50 - T50)

Function Fittings (Series 55)
Flow regulator / In line pressure regulator / Pressure regulator / Blocking valve / Circuit selector valve - OR - AND / Quick exhaust valve / Pressure indicator / In line progressive star-up valve / 90° progressive star-up valve / In line blocking valve + flow control valve / 90° blocking valve + flow control valve / In line blocking valve + quick exhaust valve / In line pressure regulator + pressure indicator / 90° pressure regulator + pressure indicator / Accessories / Connections

Miniaturised pressure regulators (Series 1750-1760)

Compact fittings for lubrication (Series Mini-RAP)
RDR Straight male adaptor (parallel) / RDR Straight male adaptor (parallel) / RGR Complete single banjo with stem / RGR Complete single banjo with stem

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General

These accessories are a range of devices for completing a pneumatic circuit. These valves, with their special functions, are inserted between two valves, between a valve and a cylinder, or following a cylinder.

One of the particular characteristic of these accessories is that they are automatically actuated without the need for external commands. Usually, operation and idle are controlled by the presence or absence of pressure as, for example, in the case of quick exhaust valves which pilots itself as a selector, changing the flow direction as the signal goes off and on.

On the other hand, other components are inert. That is, they do not have any internal variable function which is sensitive to pressure. Among these components are silencers, manifolds and flow regulators.

There are also the flow regulators, which like electronic components, can be defined as variable resistences. They are fundamental in regulating the flow rate, provide precise timings and regulate the cylinders' speed.

The selector valves, with "AND" and "OR" functions, are logic functions components which often are an essential element. Furthermore, they are built to allow high flow rate which cannot be obtained by classic pneumatic logic.

The block valves lock the cylinder in a position, avoiding unexpected depressurization of the cylinder's chamber due to lack of compressed air at the inlet port. Practically, it is a piloted unidirectional valve that blocks the exhaust port when there is no air in the pilot circuit.

Finally the economizer valves are in fact a pressure reducer valves installed between valve and cylinder for reducing the air consumption. For example this is applicable on the cylinder return stroke without penalizing the exhaust as happens with FRL pressure regulator.

Construction characteristics

We have not listed all different materials used for the construction of these components because the list would be too the long. We use corrosion proof material, brass or anodized aluminium and the most appropriate specific mixture for seals. If more information is required please contact our technical department.

Use and maintenance

In operation pay attention to the minimum and maximum criteria for temperature and pressure, and ensure good quality compressed air. In a dirty environment, protect the exhaust ports. In this case, maintenance is minimal and is necessary only if the air is particularly dirty. The components most subject to damage by the accumulation of dirt are flow regulators with fine regulation and silencers. As for regulators, follow the normal procedure for disassembling, washing with non-chemical cleaning agents and remounting. The silencers need only to be rinsed in petrol or solvent and blown dry with compressed air.

The number of requests for spare seals for flow regulators and shuttle valves are statistically irrelevant. More often, it is necessary to replace the lining of the quick exhaust because of the wear it undergoes due to the particular conditions of operating.

ATTENTION: for lubrication use class H hydraulic oils, for example Castrol MAGNA GC 32.

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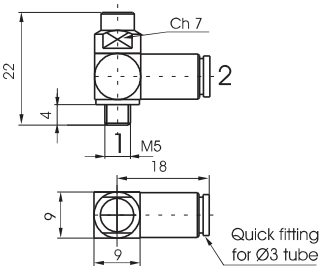
MIniature flow control valve M5 - Ø3 tube

Ordering code

6.01.305.Ⓕ

Ⓕ	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 14



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

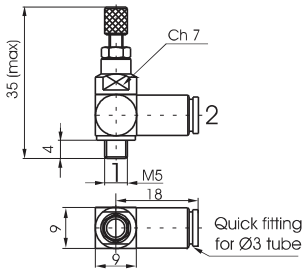
MIniature flow control valve M5 - Ø3 tube, with adjustement knob

Ordering code

6.01.305.ⒻP

Ⓕ	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 16



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

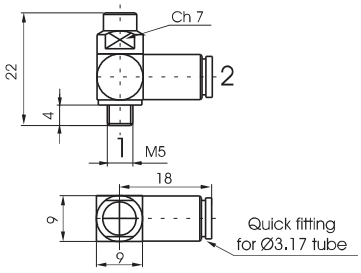
MIniature flow control valve M5 - Ø3,17 tube

Ordering code

6.01.315.Ⓕ

Ⓕ	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 14



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

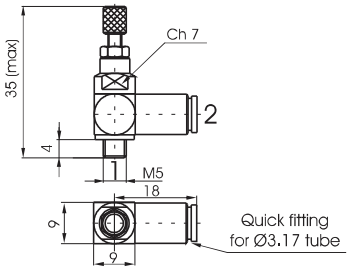
MIniature flow control valve M5 - Ø3,17 tube, with adjustement knob

Ordering code

6.01.315.ⒻP

Ⓕ	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 16



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

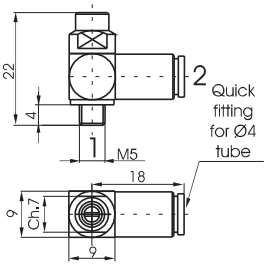
MIniature flow control valve M5 - Ø4 tube

Ordering code

6.01.45.F

F	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 14



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

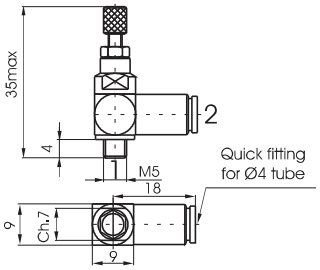
MIniature flow control valve M5 - Ø4 tube, with adjustement knob

Ordering code

6.01.45.FP

F	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional

Weight gr. 16



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 1,5

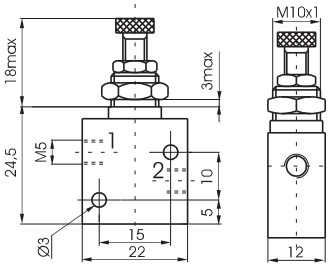
Flow control valve M5 - in line ports

Ordering code

6.01.F

F	FUNCTION
	05 = Unidirectional
	05/2 = Bidirectional

Weight gr. 48



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 2

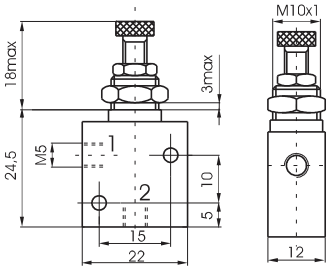
Flow control valve M5 - port at 90°

Ordering code

6.01.05.F

F	FUNCTION
	90 = Unidirectional
	90/2 = Bidirectional

Weight gr. 48



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 2

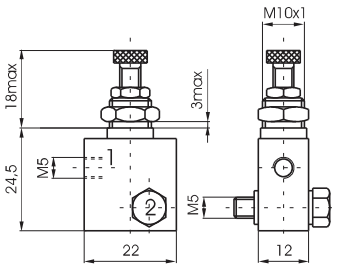
Flow control valve M5 - with a through bolt

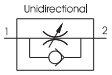
Ordering code

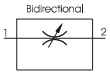
6.01.05.Ⓕ

Ⓕ	FUNCTION
	180 = Unidirectional
	180/2 = Bidirectional

Weight gr. 52







Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 2

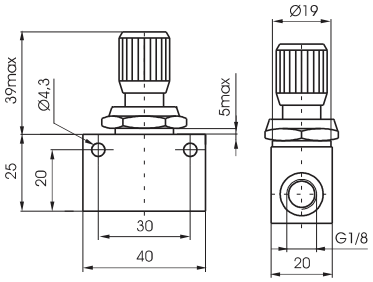
Flow control valve G1/8" - ultrasensitive

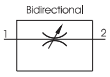
Ordering code

6.01.18/Ⓕ

Ⓕ	FUNCTION
	4 = Unidirectional
	5 = Bidirectional

Weight gr. 100





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 3

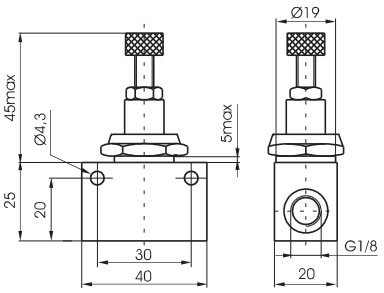
Flow control valve G1/8" - ultrasensitive with lock nut

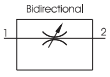
Ordering code

6.01.18/Ⓕ

Ⓕ	FUNCTION
	6 = Unidirectional
	7 = Bidirectional

Weight gr. 105





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 3

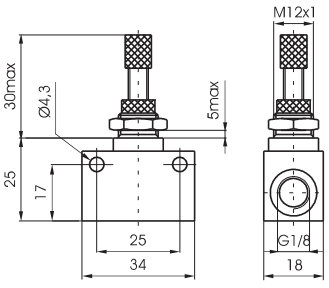
Flow control valve G1/8"

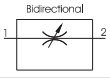
Ordering code

6.01.Ⓕ

Ⓕ	FUNCTION
	18N = Unidirectional
	18NE = Unidir. economic vers.
	18/1N = Bidirectional
	18/1NE = Bidir. economic vers.

Weight gr. 50



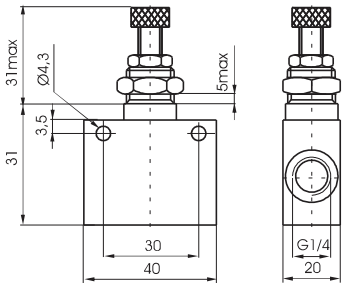


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 4

Flow control valve G1/4" - compact type - unidirectional

Ordering code

6.01.14/1



Weight gr. 100

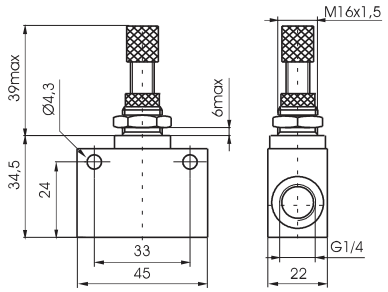
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 5,5

Flow control valve G1/4"

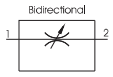
Ordering code

6.01.Ⓕ

Ⓕ	FUNCTION
	14N = Unidirectional
	14/1N = Bidirectional



Weight gr. 105



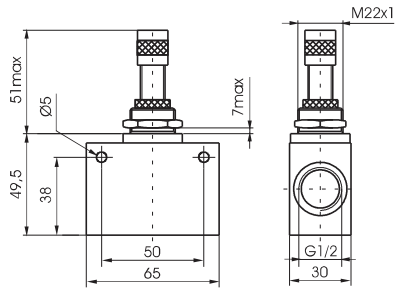
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 7

Flow control valve G1/2"

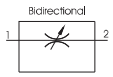
Ordering code

6.01.Ⓕ

Ⓕ	FUNCTION
	12N = Unidirectional
	12/1N = Bidirectional



Weight gr. 505

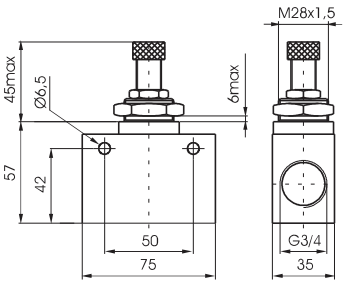


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 12

Flow control valve G3/4" - unidirectional

Ordering code

06:01:34



Weight gr. 500

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered air	10 bar	-5 - +70	mm. 12

1

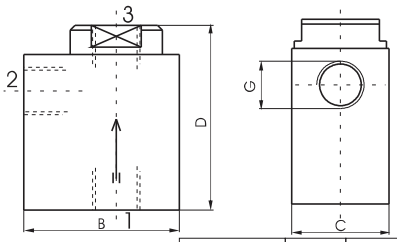
Quick exhaust valve

Ordering code

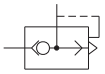
6.02.❶

	CONNECTION
❶	05 = M5
	18 = G 1/8"
	14 =G 1/4"
	12 = G 1/2"

Weight "see table"



G	M5	1/8"	1/4"	1/2"
B	22	32	35	52
C	12	20	25	37
D	28	38	50	62
Weight gr.	50	62	112	310
Flow rate Nl/min at 6 bar with Δ p = 1	from 1 to 2	120	480	960	3300
Flow rate Nl/min at 6 bar on free exhaust	from 2 to 3	220	1100	1930	6500



Operational characteristic	Fluid	Working pressure (bar)	Temperature °C
	Filtered air	0,5 ÷ 10	-5 - +70

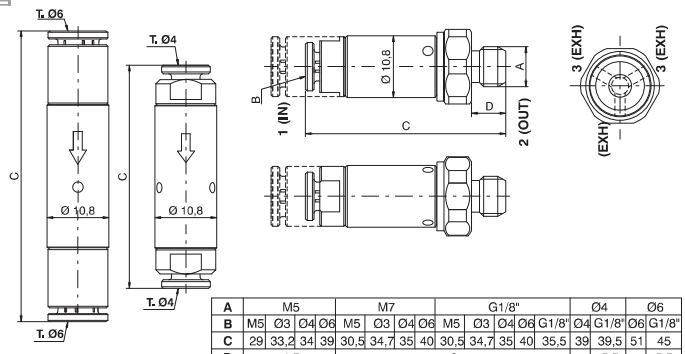
Quick exhaust in line valve

Ordering code

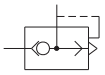
6.02.❶.Ⓒ.L

	CONNECTION (IN)
❶	M5 = M5
	03 = tube Ø3
	04 = tube Ø4
	06 = tube Ø6
	CONNECTION (OUT)
Ⓒ	M5 = M5
	M7 = M7
	18 = G1/8"
❶	04 = tube Ø4
	06 = tube Ø6

Weight "see table"



A	M5				M7				G1/8"				Ø4		Ø6	
B	M5	Ø3	Ø4	Ø6	M5	Ø3	Ø4	Ø6	M5	Ø3	Ø4	Ø6	G1/8"	Ø4	G1/8"	Ø6	G1/8"
C	29	33,2	34	39	30,5	34,7	35	40	30,5	34,7	35	40	35,5	39	39,5	51	45
D	4,5				6									-	5,5	-	5,5
Weight (gr.)	17				18									17		20	18
Flow rate Nl/min at 6 bar with Δp=1 (from 1 to 2)	90				110									90		110	
Flow rate Nl/min at 6 bar on free exhaust (from 2 to 3)	240				350									240		350	



Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

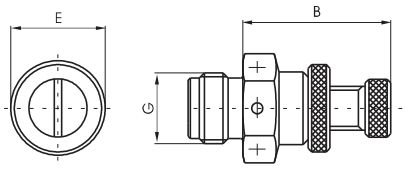
Exhaust flow control

Ordering code

6.03.❶

	CONNECTION
❶	05 = M5
	18 = G 1/8"
	14 =G 1/4"
	12 = G 1/2"

Weight "see table"



G	M5	1/8"	1/4"	1/2"
B	21	18	22	39
E	9	13	16	25
Weight gr.	10	18	32	155

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

1

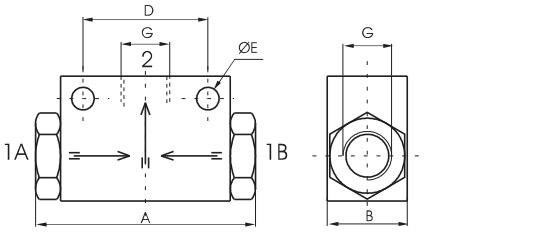
Shuttle valve "OR"

Ordering code

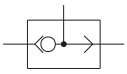
6.04.●

●	CONNECTION
	05 = M5
	18 = G 1/8"
	14 =G 1/4"

Weight "see table"



G	M5	1/8"	1/4"
A	27	44	62
B	12	16	22
D	15	25	35
E	3,5	4,5	5,5
Weight gr.	33	50	110
Flow rate at 6 bar with Δp = 1 NI/min.	110	700	2200



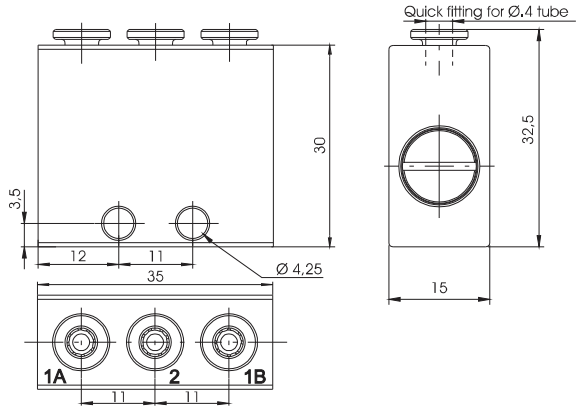
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

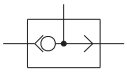
Shuttle valve "OR" - T=4

Ordering code

06:04:04

Weight gr. 50





Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Connections
	Filtered and lubricated air	10 bar	-5 - +70	105 Nl/min	mm. 2,5	Fitting T=4

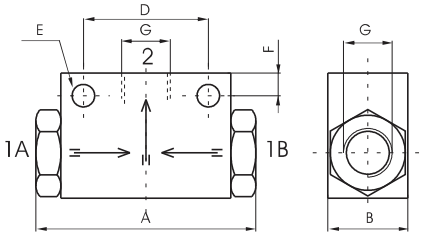
Shuttle valve "AND"

Ordering code

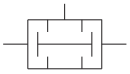
6.04.●/1

●	CONNECTION
	05 = M5
	18 = G 1/8"

Weight "see table"



G	M5	1/8"
A	36	44
B	12	16
D	20	25
E	3,2	4,5
F	3,5	4,5
Weight gr.	30	50
Flow rate at 6 bar with Δp = 1 NI/min.	100	480

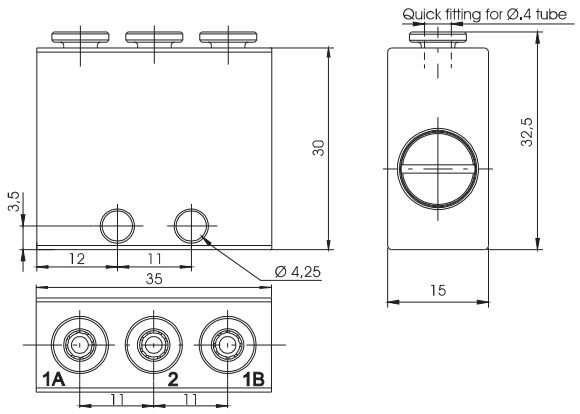


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

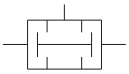
1

Shuttle valve "AND" - T=4

Ordering code
6.04.04/1



Weight gr. 50

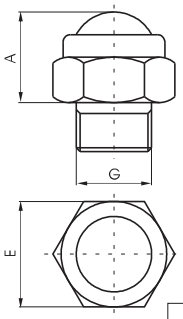


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Connections
	Filtered air	10 bar	-5 - +70	105 Nl/min	mm. 2,5	Fitting T=4

Silencers steel wool

Ordering code
6.05.●

	CONNECTION
●	18 = G 1/8"
	14 =G 1/4"
	38 =G 3/8"
	12 = G 1/2"



G	1/8"	1/4"	3/8"	1/2"
A	12	13	15	17
E	14	17	22	27
Weight gr.	8	16	32	44

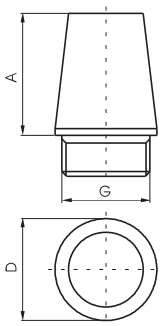
Weight "see table"

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

Silencers brass

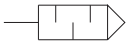
Ordering code
6.06.●

	CONNECTION
●	05 = M5
	18 = G 1/8"
	14 =G 1/4"
	38 = G 3/8"
	12 = G 1/2"
	34 = G 3/4"
	01 = G 1"



G	M5	1/8"	1/4"	3/8"	1/2"	3/4"	1"
A	17	15	18	28	32	40	50
D	8	12	15	19	23	29	38
Weight gr.	4	8	15	35	50	92	182

Weight "see table"



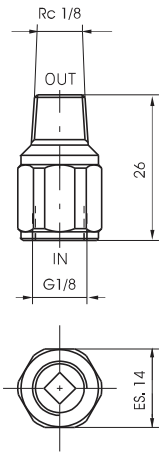
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	10 bar	-5 - +70

1

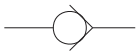
G 1/8" compact check valves

Ordering code
6.07.18.G

G	SEALS
	R = NBR
	VR = FPM



Weight gr. 50

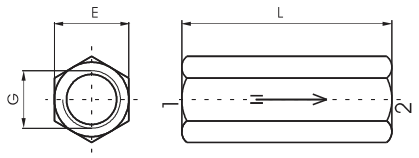


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)
	Filtered air	Min. 2,5 bar Max.	-5 - +70	100 Nl/min

Check valves

Ordering code
6.07.T

T	POPPET
	05 = NBR - M5
	18 = NBR - G 1/8"
	14 = NBR - G 1/4"
	38 = NBR - G 3/8"
	12 = NBR - G 1/2"
	18V = FPM - G 1/8"
	14V = FPM - G 1/4"
	38V = FPM - G 3/8"
	12V = FPM - G 1/2"



G	M5	1/8"	1/4"	3/8"	1/2"
E	10	14	17	21	25
L	21	37	48	50	60
Weight gr.	14	35	60	85	136
Flow rate at 6 bar with Δp = 1 Nl/min.	160	650	1150	2600	3500

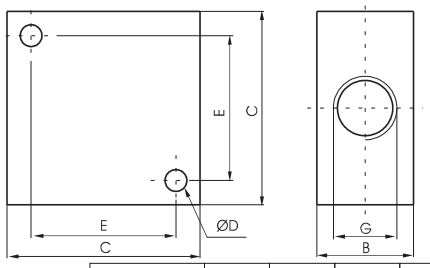
Weight "see table"

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered and lubricated air	10 bar	-5 ÷ +70 (+150°C FPM)

Manifold 4 ports

Ordering code
6.08.C/4

C	CONNECTION
	05 = M5
	18 = G 1/8"
	14 = G 1/4"
	38 = G 3/8"
	12 = G 1/2"



G	M5	1/8"	1/4"	3/8"	1/2"
B	10	16	20	20	30
C	20	32	40	40	50
D	3,3	4,5	4,5	5,5	6,5
E	14	22	30	30	38
Weight gr.	28	38	68	54	135

Weight "see table"

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	20 bar	-5 - +70

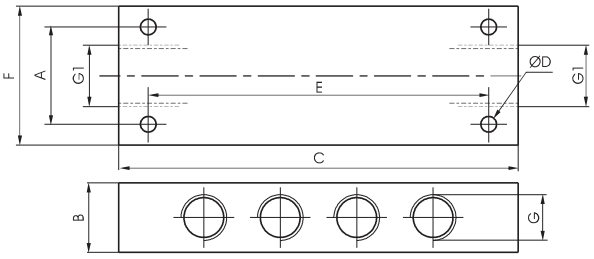
1

Manifold 10 ports

Ordering code

6.08.C/8

C	CONNECTION
	05 = M5
	18 = G 1/8"
	14 = G 1/4"
	38 = G 3/8"
	12 = G 1/2"



G	M5	1/8"	1/4"	3/8"	1/2"
G1	G1/8"	1/8"	1/4"	3/8"	1/2"
A	16	20	28	28	36
B	12	18	20	20	30
C	60	90	115	130	170
ØD	3,3	4,5	4,5	5,5	5,5
E	50	75	98	112	150
F	22	32	40	40	50
Weight gr.	92	110	185	165	460

Weight "see table"

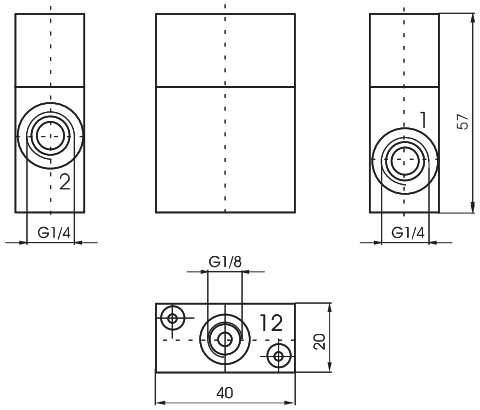
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C
	Filtered air	20 bar	-5 - +70

Block valve G1/4"

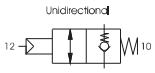
Ordering code

6.09.14.F

F	FUNCTION
	UN = Unidirectional
	BN = Bidirectional



Weight gr. 122



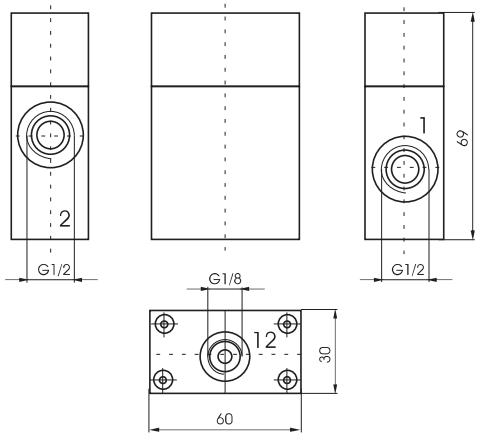
Operational characteristic	Fluid	Max working pressure (bar)	Min. piloting pressure	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)
	Filtered and lubricated air	10 bar	4 bar	-5 - +70	700 Nl/min	mm. 7

Block valve G1/2"

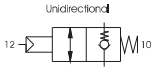
Ordering code

6.09.12.F

F	FUNCTION
	UN = Unidirectional
	BN = Bidirectional



Weight gr. 305



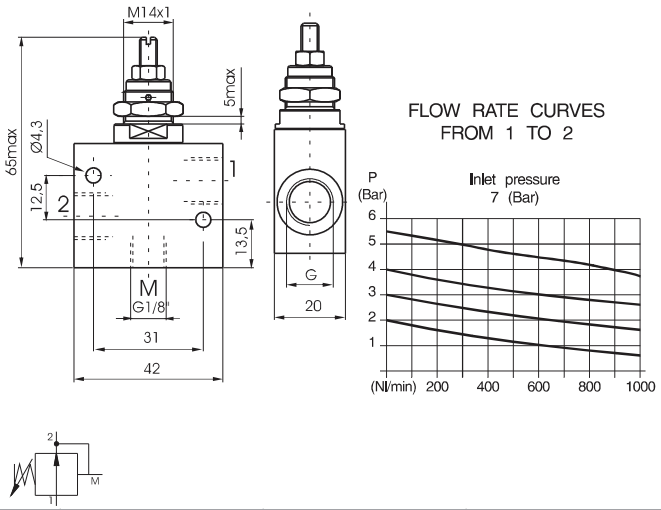
Operational characteristic	Fluid	Max working pressure (bar)	Min. piloting pressure	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)
	Filtered and lubricated air	10 bar	4 bar	-5 - +70	2000 Nl/min	mm. 12

Economizer G1/8" - G1/4"

Ordering code

6.11.Ⓒ

Ⓒ	CONNECTION
	18 = G 1/8"
	14 = G 1/4"



Weight gr. 85

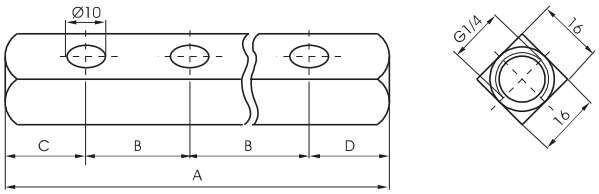
Operational characteristic	Fluid	Max working pressure (bar)	Pressure range	Temperature °C	Flow rate from port 2 to 1 at 6 bar with Δp=1	Orifice size (mm)
	Filtered and lubricated air	10 bar	0 - 5,5 bar	-5 - +70	860 Nl/min	mm. 6

Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.18/Ⓝ

Ⓝ	* N. OF POSITIONS
	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions



	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	58	76	94	112	130	148	166	184	202
B	18	18	18	18	18	18	18	18	18
C	20	20	20	20	20	20	20	20	20
D	20	20	20	20	20	20	20	20	20
Weight gr.	55	80	105	130	155	180	205	230	255

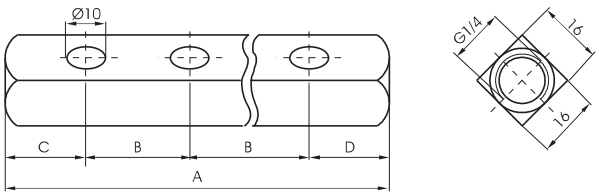
Weight "see table"

Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.25/Ⓝ

Ⓝ	* N. OF POSITIONS
	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions



	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	70	95	120	145	170	195	220	245	270
B	25	25	25	25	25	25	25	25	25
C	20	20	20	20	20	20	20	20	20
D	25	25	25	25	25	25	25	25	25
Weight gr.	80	115	150	185	220	255	290	325	360

Weight "see table"

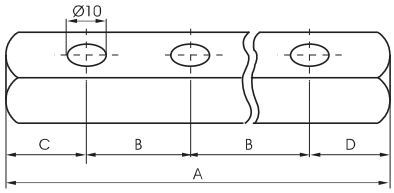
1

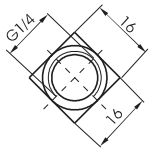
Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.26/N

	* N. OF POSITIONS
N	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	66	92	118	144	170	196	222	248	274
B	26	26	26	26	26	26	26	26	26
C	20	20	20	20	20	20	20	20	20
D	20	20	20	20	20	20	20	20	20
Weight gr.	70	110	145	185	220	260	300	340	375

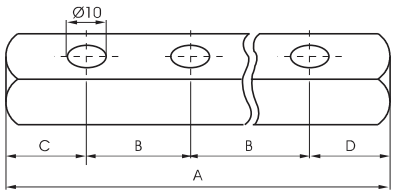
Weight "see table"

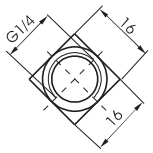
Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.30/N

	* N. OF POSITIONS
N	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	80	110	140	170	200	230	260	290	320
B	30	30	30	30	30	30	30	30	30
C	25	25	25	25	25	25	25	25	25
D	25	25	25	25	25	25	25	25	25
Weight gr.	100	140	180	220	260	300	340	380	420

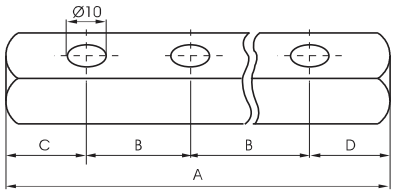
Weight "see table"

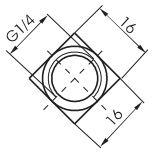
Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.32/N

	* N. OF POSITIONS
N	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	82	114	146	178	210	242	274	306	338
B	32	32	32	32	32	32	32	32	32
C	25	25	25	25	25	25	25	25	25
D	25	25	25	25	25	25	25	25	25
Weight gr.	100	145	190	235	280	325	370	415	460

Weight "see table"

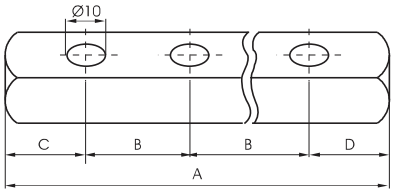
1

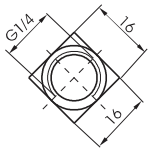
Gang mounting manifold for valves and solenoid valves G 1/8"

Ordering code

6.10.18.35/Ⓝ

Ⓝ	* N. OF POSITIONS
	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	89	124	159	194	229	264	299	334	369
B	35	35	35	35	35	35	35	35	35
C	27	27	27	27	27	27	27	27	27
D	27	27	27	27	27	27	27	27	27
Weight gr.	110	160	210	260	310	360	410	460	510

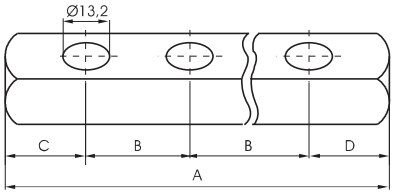
Weight "see table"

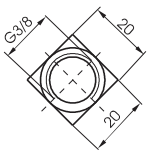
Gang mounting manifold for valves and solenoid valves G 1/4"

Ordering code

6.10.14.20/Ⓝ

Ⓝ	* N. OF POSITIONS
	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	65	85	105	125	145	165	185	205	225
B	20	20	20	20	20	20	20	20	20
C	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5
D	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5	22,5
Weight gr.	130	150	190	190	210	230	250	270	290

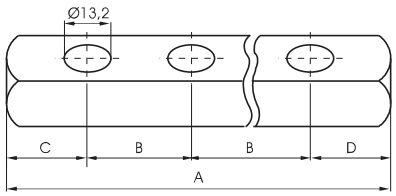
Weight "see table"

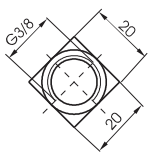
Gang mounting manifold for valves and solenoid valves G 1/4"

Ordering code

6.10.14.25/Ⓝ

Ⓝ	* N. OF POSITIONS
	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	75	100	125	150	175	200	225	250	275
B	25	25	25	25	25	25	25	25	25
C	25	25	25	25	25	25	25	25	25
D	25	25	25	25	25	25	25	25	25
Weight gr.	140	170	200	230	260	290	320	350	380

Weight "see table"

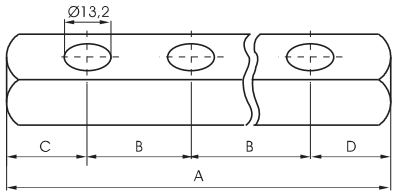
1

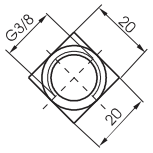
Gang mounting manifold for valves and solenoid valves G 1/4"

Ordering code

6.10.14.30/Ⓝ

	* N. OF POSITIONS
Ⓝ	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	80	110	140	170	200	230	260	290	320
B	30	30	30	30	30	30	30	30	30
C	25	25	25	25	25	25	25	25	25
D	25	25	25	25	25	25	25	25	25
Weight gr.	150	190	230	270	310	350	390	430	470

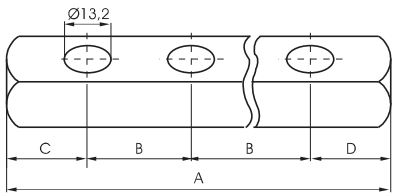
Weight "see table"

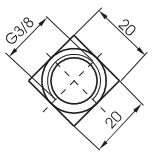
Gang mounting manifold for valves and solenoid valves G 1/4"

Ordering code

6.10.14.35/Ⓝ

	* N. OF POSITIONS
Ⓝ	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions





	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	85	120	155	190	225	260	295	335	365
B	35	35	35	35	35	35	35	35	35
C	30	30	30	30	30	30	30	30	30
D	20	20	20	20	20	20	20	20	20
Weight gr.	160	210	260	310	360	410	460	510	560

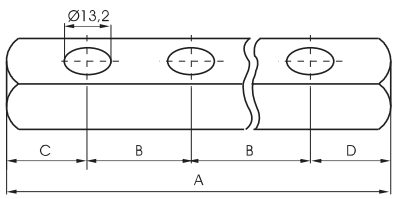
Weight "see table"

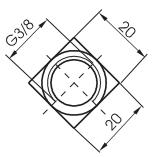
Gang mounting manifold for valves and solenoid valves G 1/4"

Ordering code

6.10.14.45/Ⓝ

	* N. OF POSITIONS
Ⓝ	2 = N. 2 positions
	3 = N. 3 positions
	4 = N. 4 positions
	5 = N. 5 positions
	6 = N. 6 positions
	7 = N. 7 positions
	8 = N. 8 positions
	9 = N. 9 positions
	10 = N. 10 positions



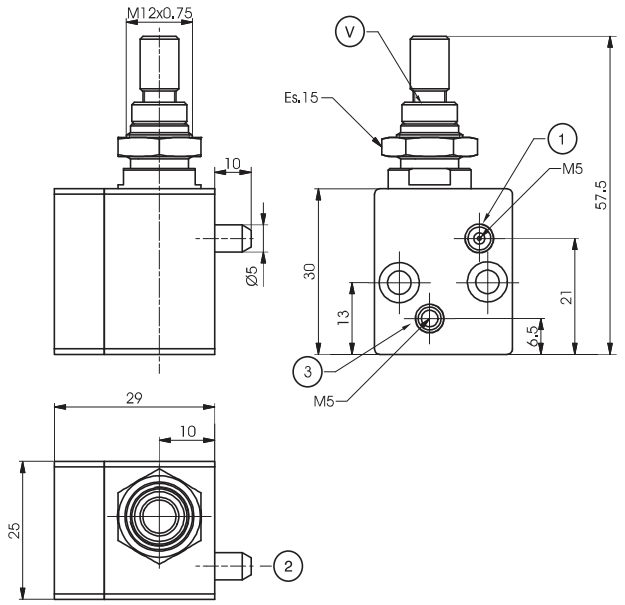


	* N. OF POSITIONS								
	2	3	4	5	6	7	8	9	10
A	115	160	205	250	295	340	385	430	475
B	45	45	45	45	45	45	45	45	45
C	35	35	35	35	35	35	35	35	35
D	35	35	35	35	35	35	35	35	35
Weight gr.	200	275	350	425	500	575	650	725	800

Weight "see table"

1

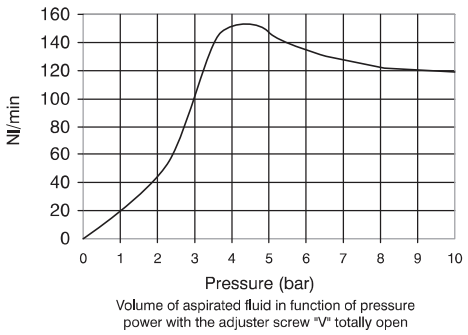
Spry valves



Ordering code
06:13:00

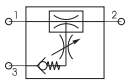
Supply air : Connection 1
Output (air and nebulized liquid) : Connection 2
Supply liquid : Connection 3

Liquid consumption diagram

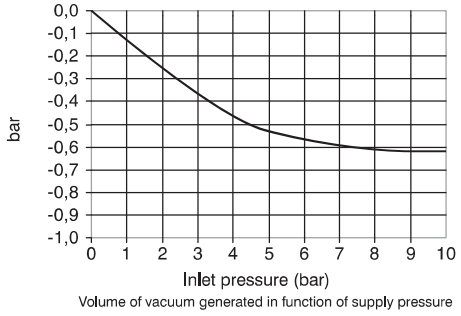


Volume of aspirated fluid in function of pressure power with the adjuster screw "V" totally open

Pneumatics symbol



Vacuum diagram



Volume of vacuum generated in function of supply pressure

Operational characteristic

- This valve, is based on the Venturi principle, and it is used to spray and nebulize a liquid.
- Useful in all applications where is needed a continuous lubrication and / or refrigeration.
- Incoming air (connection 1) sucks the liquid through the venturi principle (connection 3) to obtain a continuous spray output (connection 2).

Technical characteristic

Fluid	Filtered and lubricated air
Liquid	Water and oil (Liquid viscosity 3°E-5°E)
Working pressure	3 - 10 bar
Temperature °C	-5 - +70
Weight	85gr.

General

When building automated pneumatic circuits, it is sometimes necessary to alter or modify the various signals. There can be, for instance, a permanent signal coming from a limit switch that needs to be terminated, or there may be a need to modify a pneumatic signal into an electric one, etc. While this can be accomplished by using commercially available components, the process is tedious and expensive. We have therefore developed a number of components to facilitates this task resulting a consistent saving of time, space and money.

The 900 series consist of the following components:

- Pressure switch, which transforms a pneumatic signal into an electric one.
- Impulse generator, which transforms a permanent pneumatic signal into an adjustable impulse from 0 to 10 seconds.
- Pneumatic timer (N.C. or N.O.), which cuts or releases a pneumatic signal within an adjustable time.
- Two hands safety valve, which allows a safety use of two hands pneumatic controls (for example two push-button 3/2 N.C. to a certain distance) excluding false signals in case of push-button or valve malfunction.
- Flip - Flop: 5/2 ways valve, single signal actuated, commutes the outlet from 2 to 4 and vice versa at each puls.
  For a correct functioning it's important that inlet pressure be the same or lower than pilot pressure.
- Oscillator valve, 5/2 - G 1/8" with two logic functions "NOT" mounted on board, switches when the pressure in the connected cylinder exhaust chamber is reaching the threshold of "NOT".
- Signal amplifier, 3/2 - G 1/8" N.C. valve actuated by weak signals but higher than 0.05 bar.
- Progressive start-up valve, which is a device that is fitted in between valve or solenoid valve and cylinder allows a gradual filling of the chamber providing a low power cylinder movement.
  The progressive start-up valve is made of a flow control valve and a 2/2 N.C. valve with 6 mm nominal orifice.
  The valve is totally open when the pressure in the cylinder reaches 50% of inlet pressure.
- High-low pressure devices, located in the pneumatic circuit between valve and cylinder, allow the function of the cylinder with two different pressures. Example: in case of a locking action, it is possible to approach the required position at a low pressure, then increase to its maximum value in the circuit with the use of an electric signal.
  They are practically made of a piloted pressure regulator without relieving.

Construction characteristics

We have not listed all different materials used for the construction of these components because the list would be too long. We use corrosion proof material, brass or anodized aluminium and the most appropriate specific mixture for seals. If more information is required please contact our technical departement.

Use and maintenance

In use pay attention to the minimum and maximum criteria for temperature and pressure, checking and ensure good quality compressed air. In a dirty environment, protect the exhaust ports. In this case, maintenance is minimal and is necessary only if the air is particularly dirty. The components most subject to damage by the accumulation of dirt are flow regulators with fine regulation and silencers. As for regulators, follow the normal procedure for disassembling, washing with non-chemical cleaning agents and remounting. The silencers need only to be rinsed in petrol or solvent and blown dry with compressed air.

The number of requests for spare seals for flow regulators and shuttle valves are statistically irrelevant. More often, it is necessary to replace the lining of the quick exhaust because of the wear it undergoes due to the particular conditions of operating.

ATTENTION: for lubrication use class H hydraulic oils, for example Castrol MAGNA GC 32.

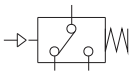
1

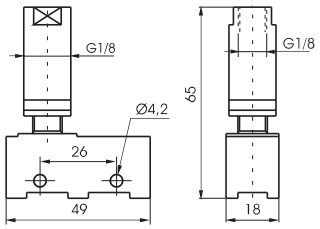
Pressure switch G 1/8" - screw connections

Ordering code
900.18.1-Ⓟ

Ⓟ	PRESSURE
	1 = 0,5 - 1 bar
	4 = 3,5 - 4 bar

Weight gr. 75





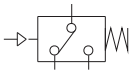
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate microswitch	Working Pilot ports size
	Filtered and lubricated air	10 bar	-5 - +70	13 (3) A - 220V~	G 1/8"

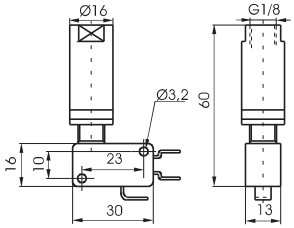
Pressure switch G 1/8" - spade connections

Ordering code
900.18.1/Ⓟ

Ⓟ	PRESSURE
	1-1 = 0,5 - 1 bar
	1-4 = 3,5 - 4 bar

Weight gr. 60



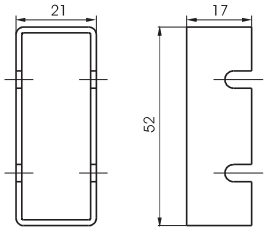


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate microswitch	Working Pilot ports size
	Filtered and lubricated air	10 bar	-5 - +70	16 (5) A - 220V~	G 1/8"

Switch protection

Ordering code
900.18.0

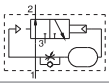
Weight gr. 6

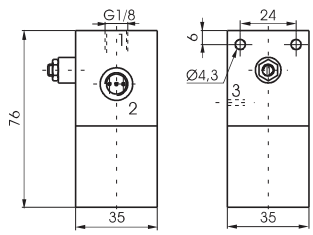


Impulse generator

Ordering code
900.18.2N

Weight gr. 235



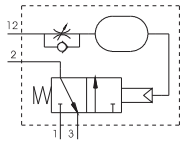


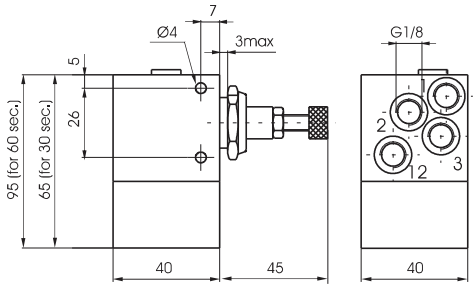
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Orifice size (mm)
	Filtered and lubricated air	10 bar	-5 - +70	mm 2

Pneumatic timer N.C. - G 1/8"

Ordering code
900.18.Ⓣ

Ⓣ	TIME
	3 = 0 - 30 sec.
	3-60 = 0 - 60 sec.





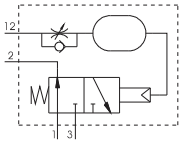
Weight gr. 290 (30 sec.)
Weight gr. 350 (60 sec.)

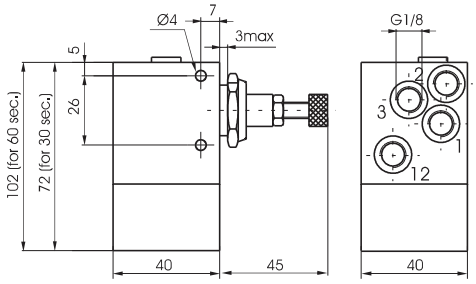
Operational characteristic	Fluid	Working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)
	Filtered and lubricated air	3 - 10 bar	-5 - +70	130 Nl/min	mm 2,5

Pneumatic timer N.O. - G 1/8"

Ordering code
900.18.Ⓣ

Ⓣ	TIME
	4 = 0 - 30 sec.
	4-60 = 0 - 60 sec.



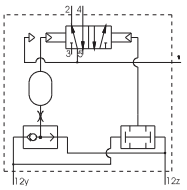


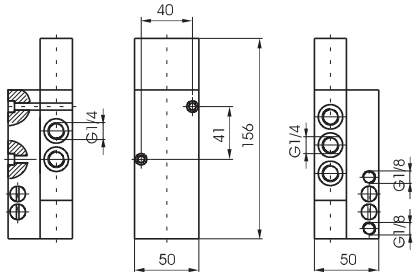
Weight gr. 320 (30 sec.)
Weight gr. 380 (60 sec.)

Operational characteristic	Fluid	Working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)
	Filtered and lubricated air	4 - 10 bar	-5 - +70	130 Nl/min	mm 2,5

Two hands safety valve G 1/4"

Ordering code
900.52.1.1





Weight gr. 780

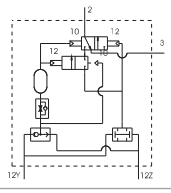
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Working pilot size
	Filtered and lubricated air	10 bar	-5 - +70	1030 Nl/min	mm 7	G 1/4"	G 1/8"

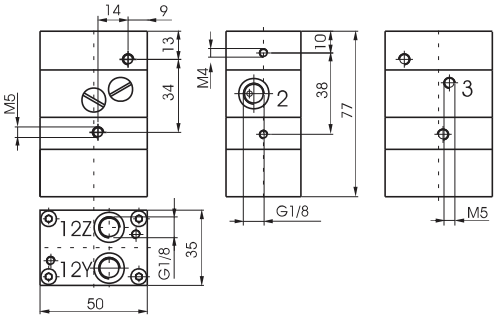
1

Two hands safety valve III A class certification (according to EN 574 stan-

Ordering code

900.18.9





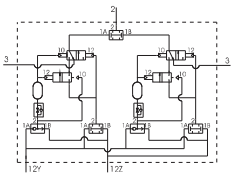
Weight gr. 340

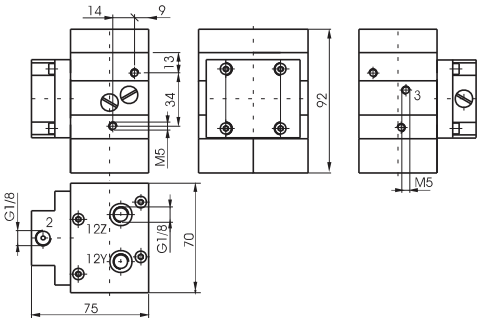
Operational characteristic	Fluid	Working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Working pilot size
	Filtered and lubricated air	3 - 8 bar	-5 - +70	40 Nl/min	mm 2,5	G 1/8"	G 1/8"

Two hands safety valve III B class certification (according to EN 574 stan-

Ordering code

900:18:10





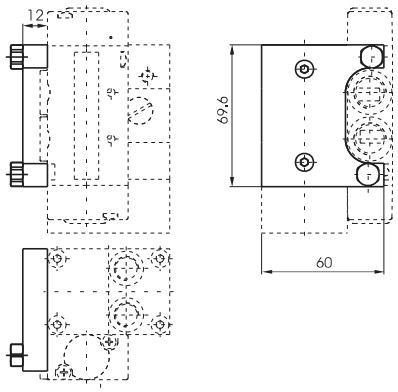
Weight gr. 980

Operational characteristic	Fluid	Working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Working pilot size
	Filtered and lubricated air	3 - 8 bar	-5 - +70	40 Nl/min	mm 2,5	G 1/8"	G 1/8"

Power valve adaptor (Series 2400)

Ordering code

900:18:11



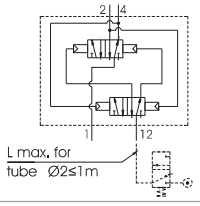
Weight gr. 75

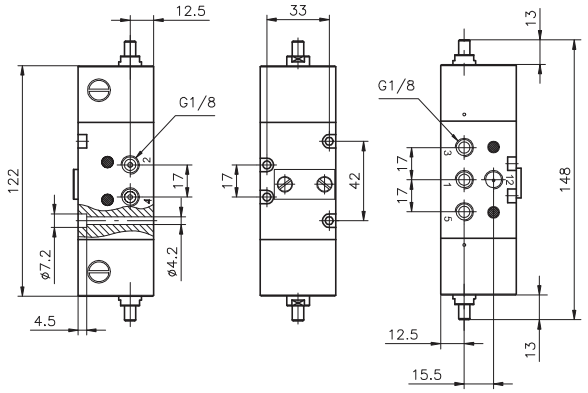
1

Flip-flop valve G 1/8" - Pneumatic command

Ordering code

900.52.1.3





Weight gr. 550

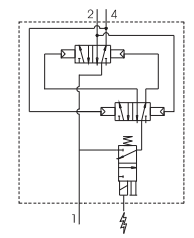
Attention: pressure of signal "12" must be the same or higher than device inlet pressure. The maximum distance between the pilot valve and the device must not exceed 1Mtr. (see pneumatic scheme). Should be necessary to work at a greater distance it is advisable to use a pneumatic-spring shut-off valve positioned at the recommended distance.

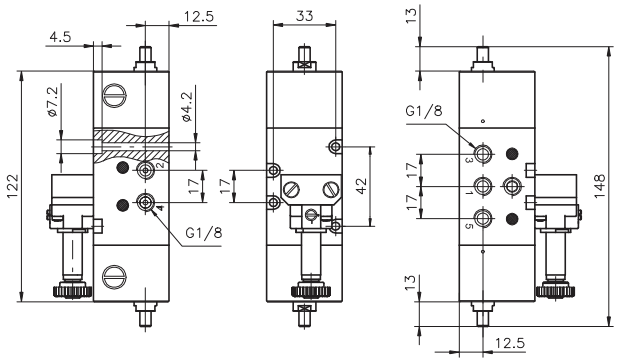
	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
Operational characteristic	Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"

Flip-flop valve - Electric command with M2 mechanic

Ordering code

900.52.1.4





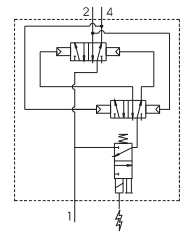
Weight gr. 660

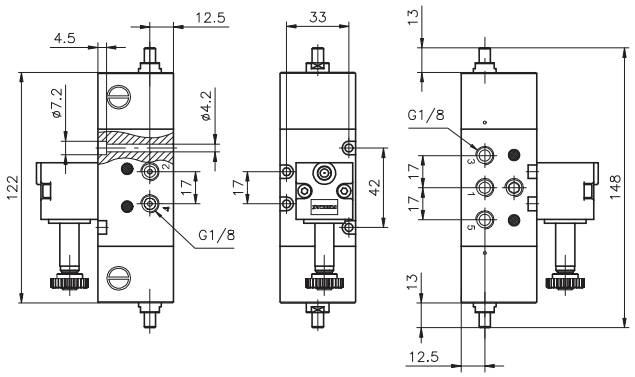
	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
Operational characteristic	Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"

Flip-flop valve - Electric command with M3P CNOMO

Ordering code

900.52.1.5





Weight gr. 600

	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
Operational characteristic	Filtered and lubricated air	10 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"

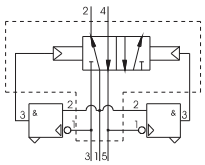
1

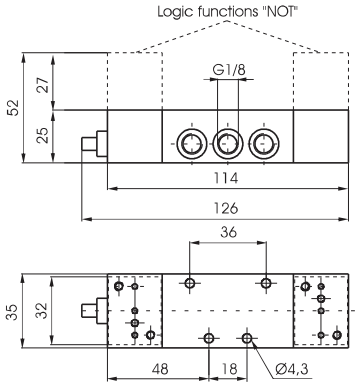
Oscillator valve G 1/8"

Ordering code

900.52.Ⓝ

Ⓝ	FUNCTION
	5 = without logic functions NOT
	5C = with logic functions NOT





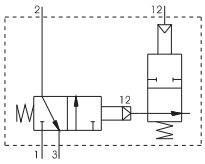
Weight gr. 600

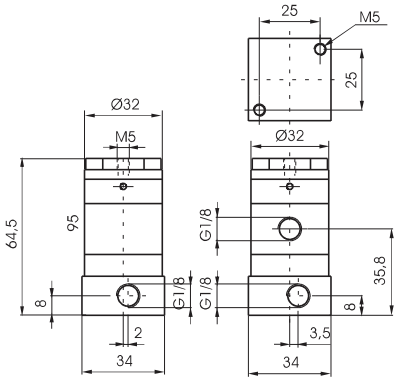
Operational characteristic	Fluid	Max working pressure (bar)	Min working pressure	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	8 bar	2 bar	-5 - +70	540 Nl/min	mm 6	G 1/8"

Signal amplifier G 1/8"

Ordering code

900.32.6





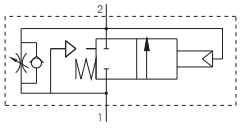
Weight gr. 170

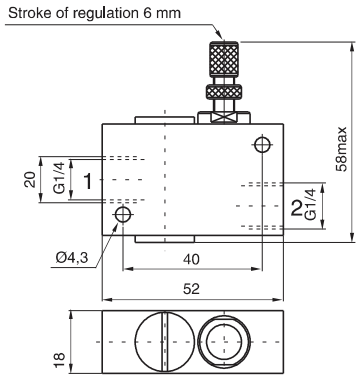
Operational characteristic	Fluid	Max working pressure (bar)	Min working pressure	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	0,05 bar	-5 - +70	130 Nl/min	mm 3	G 1/8"

Progressive start-up valve G 1/4"

Ordering code

900.14.7





Weight gr. 100
Flow rate needle fully open from port 1 to 2 (Nl/min.) = 200

Portata a 6 bar scarico libero (Nl/min.) = 1100

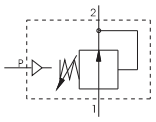
Operational characteristic	Fluid	Working pressure (bar)	Temperature °C	Flow rate from 1 to 2	Flow rate from 2 to 1	Orifice size (mm)
	Filtered and lubricated air	2,5 bar10 bar	-5 - +70	760 Nl/min	900 Nl/min	mm. 6

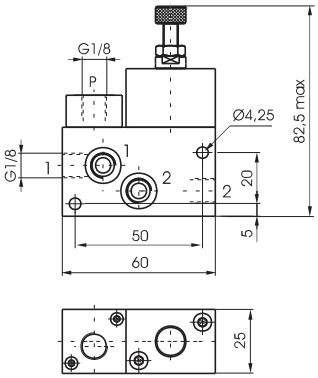
1

High-low pressure device with pneumatic pilot

Ordering code

900.18.8P





Weight gr. 240
With pneumatic commande

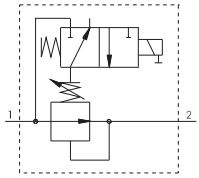
1 = Inlet / pressure gauge
2 = Outlet / pressure gauge
P = Piloting

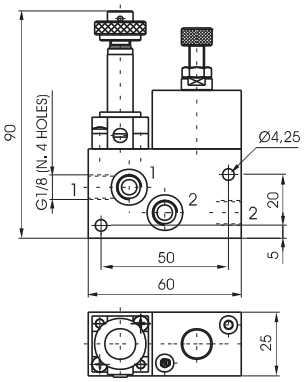
	Fluid	Max working pressure (bar)	Pressure range (bar)	Temperature °C	Max flow 6 bar Δp=1	Working ports size
Operational characteristic	Filtered air, with or without lubrication	10 bar	1 - 4 bar	Min. -5°C Max. +50°C	650 Nl/min	G 1/8"

High-low pressure device with M2 mechanic

Ordering code

900.18.8E





Weight gr. 280
With M2 mechanic

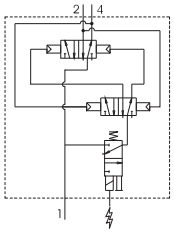
1 = Inlet / pressure gauge
2 = Outlet / pressure gauge

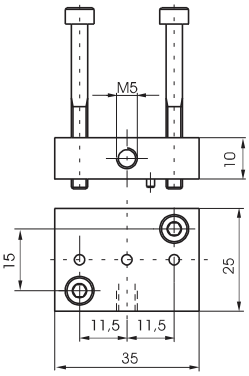
	Fluid	Max working pressure (bar)	Pressure range (bar)	Temperature °C	Max flow 6 bar Δp=1	Working ports size
Operational characteristic	Filtered air, with or without lubrication	10 bar	1 - 4 bar	Min. -5°C Max. +50°C	650 Nl/min	G 1/8"

External feeding base "NOT" logical element

Ordering code

900.005





Weight gr. 35

1

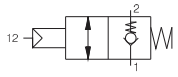
Description

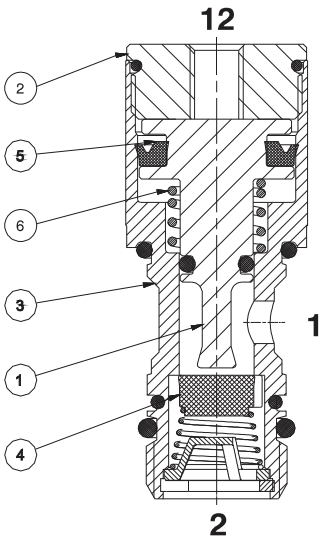
The blocking valves are used to maintain pressure in the downstream part of the pneumatic circuit even when the pressure supply is shut down.
Blocking valves are normally assembled directly on cylinders ports in order to maintain the position even in cases of accidental loss of the pilot pressure by preventing a sudden loss of pressure in the cylinder chambers.
Unidirectional and bidirectional version are both available.
The unidirectional version allows free air to flow in one direction while requires a pneumatic signal to allow air flow in the opposite direction.
The bidirectional version requires a pressure signal to allow air flow in both of the two directions.

The blocking valve cannot be used as safety device.

Constructive features

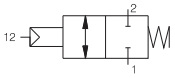
UNIDIRECTIONAL VERSION

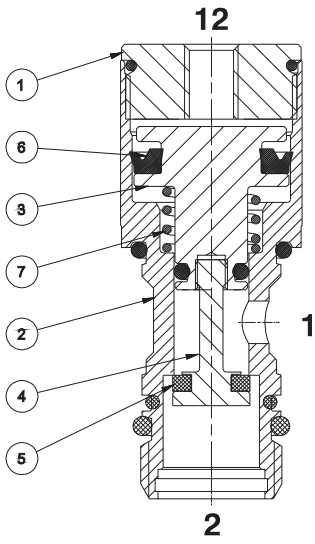




1 - Aluminium piston
2 - Brass plug
3 - Brass body
4 - FPM poppet
(1/8” and 1/4” version)
PUR poppet
(3/8” and 1/2” version)
5 - NBR seal
6 - Steel spring

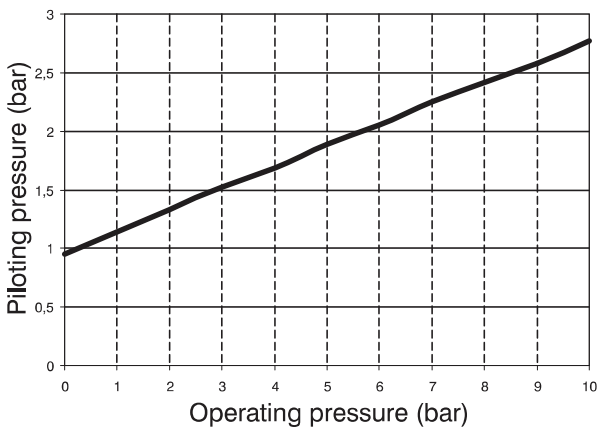
BIDIRECTIONAL VERSION





1 - Brass plug
2 - Brass body
3 - Aluminium piston
4 - Steel piston extension
5 - PUR poppet
6 - NBR seal
7 - Steel spring

Working curves

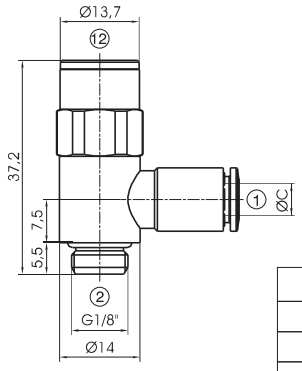


Blocking valves metal type - Size 1/8"

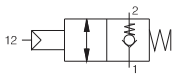
Ordering code

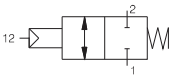
50Ⓣ18Ⓥ

	METAL TYPE
	A = Banjo only
Ⓣ	04 = Banjo Ø4
	06 = Banjo Ø6
	08 = Banjo Ø8
	18 = Banjo G1/8"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
500418U - 500418B	4	21,1
500618U - 500618B	6	24,3
500818U - 500818B	8	24,8
501818U - 501818B	G1/8"	20





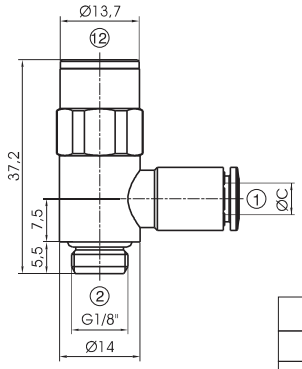
Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	285	450	-5 - +50

Blocking valves technopolymer type - Size 1/8"

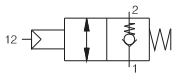
Ordering code

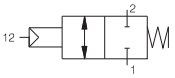
T50Ⓣ18Ⓥ

	TECHNOPOLYMER TYPE
	A = Banjo only
Ⓣ	04 = Banjo Ø4
	06 = Banjo Ø6
	08 = Banjo Ø8
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
T500418U - T500418B	4	21,1
T500618U - T500618B	6	24,3
T500818U - T500818B	8	24,8





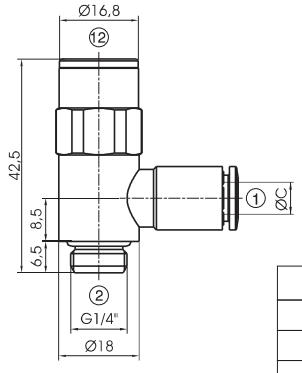
Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	285	450	-5 - +50

Blocking valves metal type - Size 1/4"

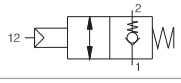
Ordering code

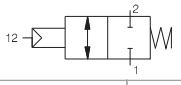
50Ⓣ14Ⓥ

	METAL TYPE
	A = Banjo only
Ⓣ	06 = Banjo Ø6
	08 = Banjo Ø8
	10 = Banjo Ø10
	14 = Banjo G1/4"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
500614U - 500614B	6	25,5
500814U - 500814B	8	26,5
501014U - 501014B	10	28,4
501414U - 501414B	G1/4"	24





Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	530	800	-5 - +50

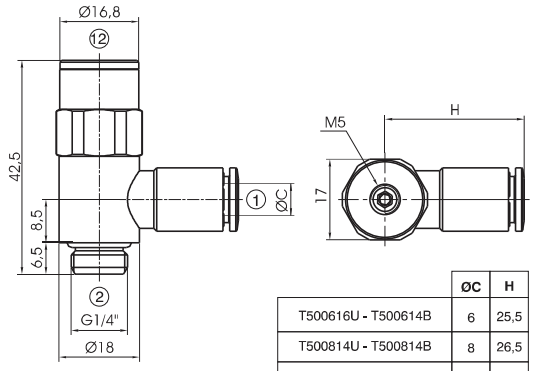
1

Blocking valves technopolymer type - Size 1/4"

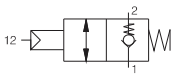
Ordering code

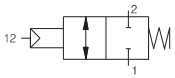
T50Ⓣ14Ⓥ

	TECHNOPOLYMER TYPE
Ⓣ	A = Banjo only
	06 = Banjo Ø6
	08 = Banjo Ø8
	10 = Banjo Ø10
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
T500616U - T500614B	6	25,5
T500814U - T500814B	8	26,5
T501014U - T501014B	10	28,4





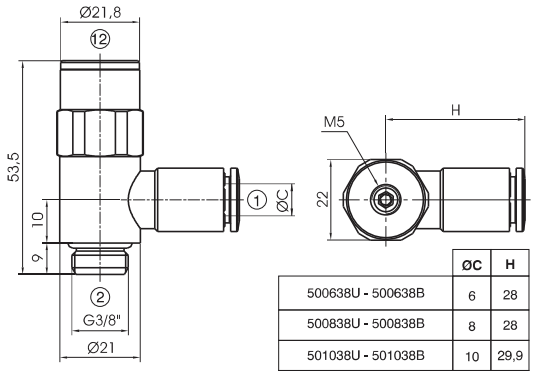
Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	530	800	-5 - +50

Blocking valves metal type - Size 3/8"

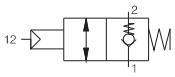
Ordering code

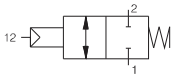
50Ⓣ38Ⓥ

	METAL TYPE
	A = Banjo only
Ⓣ	06 = Banjo Ø6
	08 = Banjo Ø8
	10 = Banjo Ø10
	12 = Banjo G1/2"
	38 = Banjo G3/8"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
500638U - 500638B	6	28
500838U - 500838B	8	28
501038U - 501038B	10	29,9
501238U - 501238B	12	31,4
503838U - 503838B	G3/8"	28,5





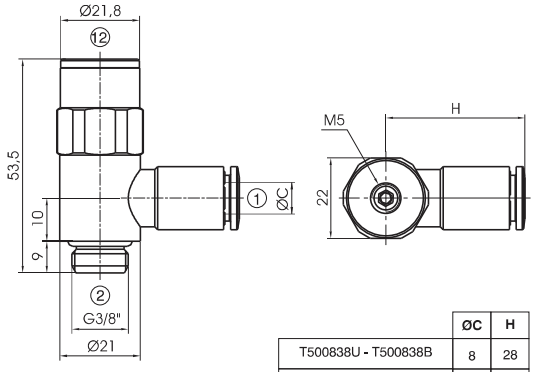
Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	1000	1600	-5 - +50

Blocking valves technopolymer type - Size 3/8"

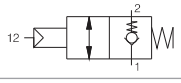
Ordering code

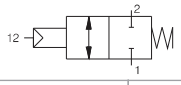
T50Ⓣ38Ⓥ

	TECHNOPOLYMER TYPE
Ⓣ	A = Banjo only
	08 = Banjo Ø8
	10 = Banjo Ø10
	12 = Banjo G1/2"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
T500838U - T500838B	8	28
T501038U - T501038B	10	29,9
T501238U - T501238B	12	31,4





Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	1000	1600	-5 - +50

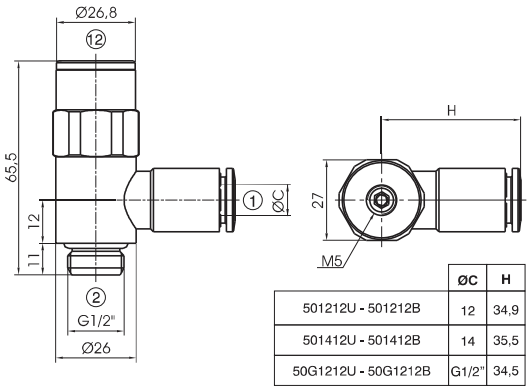
1

Blocking valves metal type - Size 1/2"

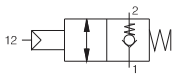
Ordering code

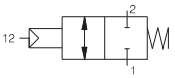
50Ⓣ12Ⓥ

	METAL TYPE
	A = Banjo only
Ⓣ	12 = Banjo G1/2"
	14 = Banjo Ø14
	G12 = Banjo G1/2"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
501212U - 501212B	12	34,9
501412U - 501412B	14	35,5
50G1212U - 50G1212B	G1/2"	34,5





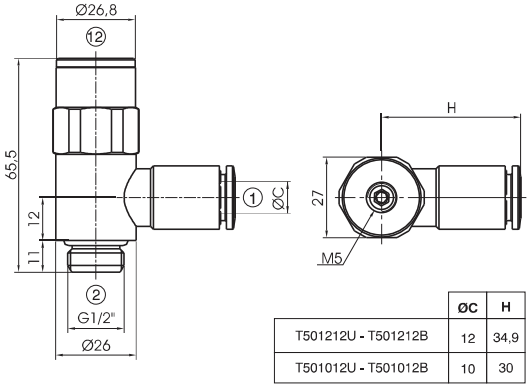
Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	1300	2600	-5 - +50

Blocking valves technopolymer type - Size 1/2"

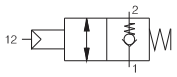
Ordering code

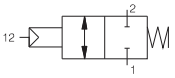
T50Ⓣ12Ⓥ

	TECHNOPOLYMER TYPE
	A = Banjo only
Ⓣ	10 = Banjo Ø10
	12 = Banjo G1/2"
	VERSION
Ⓥ	U = Unidirectional
	B = Bidirectional



	ØC	H
T501212U - T501212B	12	34,9
T501012U - T501012B	10	30





Operational characteristic	Fluid	Pressure range (bar)	Flow rate at 6 bar with Δp=1 (Nl/min)	Flow rate with free exhaus (Nl/min)	Temperature °C
	Filtered air, with or without lubrication	0,5 - 10	1300	2600	-5 - +50