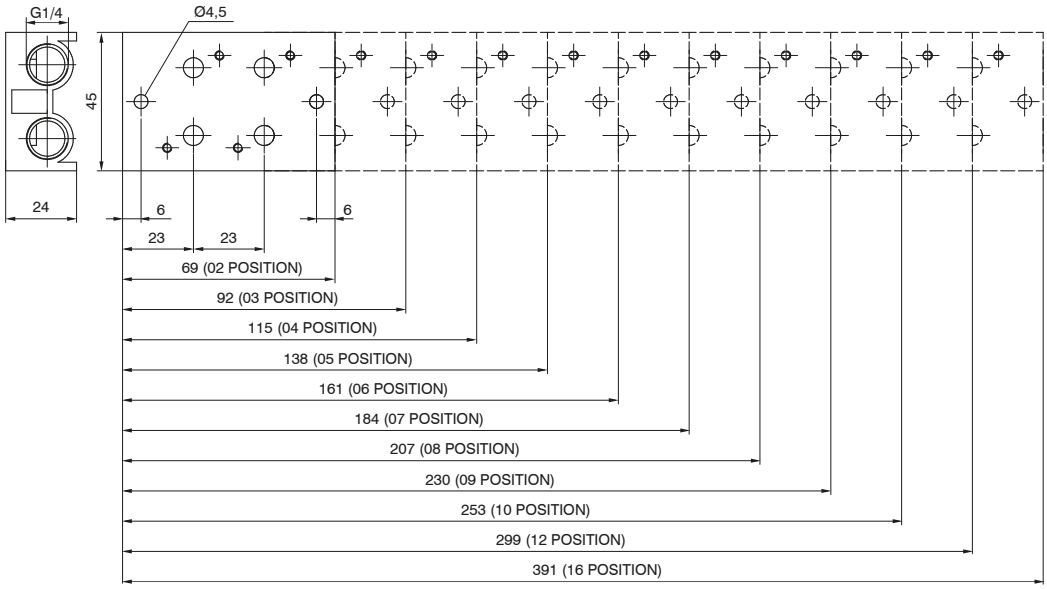
Manifold (Valves 3/2)

Coding: 8883.Ⓟ

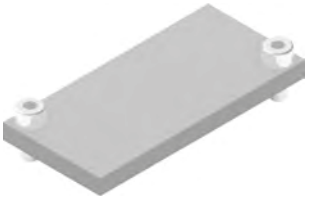
Ⓟ	CONNECTION TYPE
	02 = nr. 2 positions (270 g)
	03 = nr. 3 positions (335 g)
	04 = nr. 4 positions (400 g)
	05 = nr. 5 positions (465 g)
	06 = nr. 6 positions (530 g)
	07 = nr. 7 positions (595 g)
	08 = nr. 8 positions (660 g)
	09 = nr. 9 positions (725 g)
	10 = nr. 10 positions (790 g)
	12 = nr. 12 positions (920 g)
	16 = nr. 16 positions (1180 g)

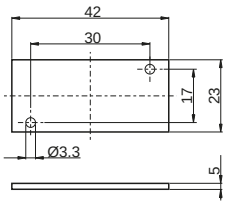


weight 5 g
(for mounting the distributors groups on guide DIN 46277/3)

Closing plate

Coding: 8883.00



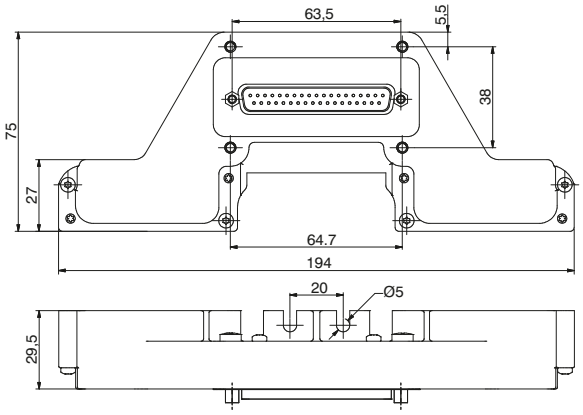


Weight 10 g
Closing plate supplied complete with 2 fixing screws to the manifold

Endplate, 37 Poles IP65

Coding: 888M.37.10

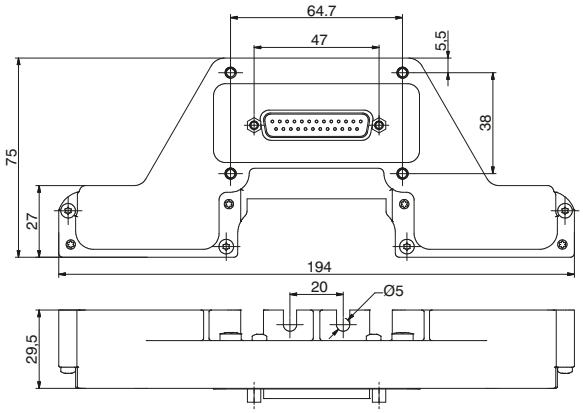
Weight 186 g
The IP65 protection is obtained by IP65 Pneumax cable.
Code complete with assembled endplate and 4 manifold fixing screws, previously mounted on the Manifold.



Endplate, 25 Poles IP65

Coding: 888M.25.10

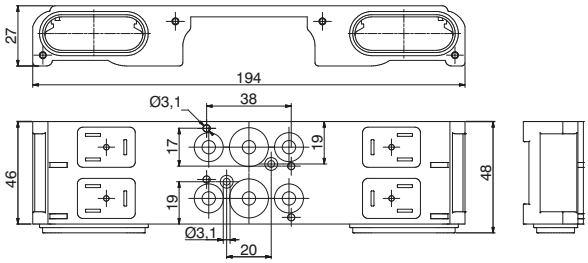
Weight 181 g
The IP65 protection is obtained by IP65 Pneumax cable.
Code complete with assembled endplate and 4 manifold fixing screws, previously mounted on the Manifold.



Modular base, 2 positions IP65

Coding: 888M.02.BM

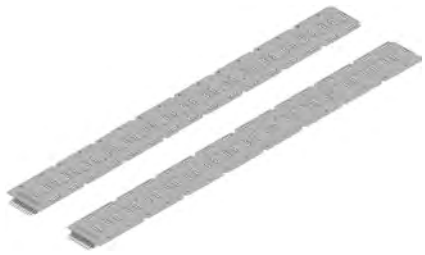
Weight 220 g
Complete with seals and fixing screws
Usable only for 5/2 and 5/3 Distributors



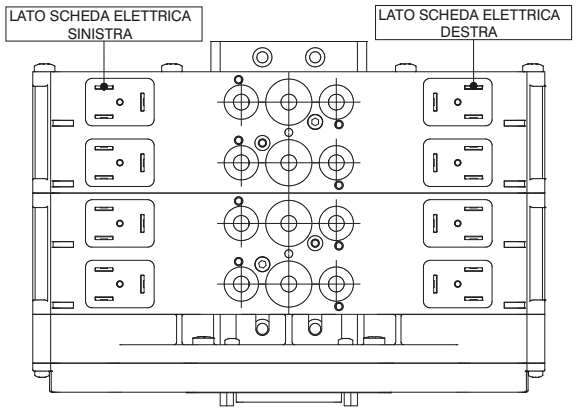
Left and Right Power board PNP 24 VDC

Coding: 888M.Ⓟ.Ⓣ

Ⓟ	POSITIONS
	04 = nr. 4 positions (11,2 g)
	08 = nr. 8 positions (22,4 g)
	12 = nr. 12 positions (33,6 g)
	16 = nr. 16 positions (44,8 g)
Ⓣ	TYPE
	00 = Left
	01 = Right

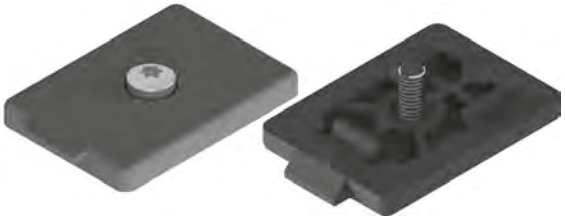


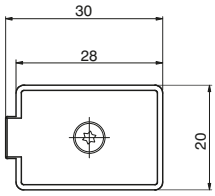
weight 5 g
(for mounting the distributors groups on guide DIN 46277/3)



Closing plate

Coding: 888M.22.PC

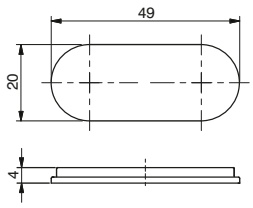




Weight 3 g
Closing plate supplied complete with 1 Seal and fixing screw with O ring
Maximum fixing torque for fittings: 0,35Nm

Multipolar base plug

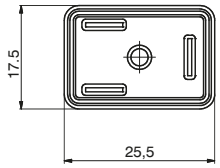
Coding: 888M.T



Weight 2,6 g
Complete with: Nr. 1 Plug, Nr. 2 Fixing screws

Seals

Coding: 888M.22.G



Weight 0,52 g

In line cable complete with connector IP40

Coding: 2400.Ⓣ.Ⓛ.00

Ⓣ	CONNECTORS
	25 = 25 poles
	37 = 37 poles
Ⓛ	CABLE LENGTH
	03 = 3 meters
	05 = 5 meters
	10 = 10 meters

Cable complete with connector, 25 Poles IP65

Coding: 2300.25.Ⓛ.Ⓒ

Ⓛ	CABLE LENGTH
	03 = 3 meters
	05 = 5 meters
	10 = 10 meters
Ⓒ	CONNECTOR
	10 = In line
	90 = 90° Angle

Cable complete with connector, 37 Poles IP65

Coding: 2400.37.Ⓛ.Ⓒ

Ⓛ	CABLE LENGTH
	03 = 3 meters
	05 = 5 meters
	10 = 10 meters
Ⓒ	CONNECTOR
	10 = In line
	90 = 90° Angle

Manifold layout Configuration Point to Point

3/2 valves

V22	P (point to point)	_	_	...

Nr. POSITIONS:

A= 02 positions
B= 03 positions
C= 04 positions
D= 05 positions
E= 06 positions
F= 07 positions
G= 08 positions
H= 09 positions
I= 10 positions
M= 12 positions
Q= 16 positions

VOLTAGE:

A= 12 V DC
B= 24 V DC
C= 24 V (50-60 Hz)
D= 110 V (50-60 Hz)
E= 230 V (50-60 Hz)
Z= without coil

SHORT CODE FUNCTION / CONNECTION :

G1= EV 3/2 SOL.-SPRING G1/8" N.O.
G2= EV 3/2 SOL.-SPRING G1/4" N.O.
H1= EV 3/2 SOL.-SPRING G1/8" N.C.
H2= EV 3/2 SOL.-SPRING G1/4" N.C.

L1= EV 3/2 SOL.-SPRING G1/8" N.O. EXT. FEED.
M1= EV 3/2 SOL.-SPRING G1/8" N.C. EXT. FEED.

N1= EV 3/2 SOL.-SOL. G1/8"
N2= EV 3/2 SOL.-SOL. G1/4"
P1= EV 3/2 SOL.-SOL. G1/8" EXT. FEEDING

T4= VALVE SPACE PLUG 3/2

5/2 valves

V22	P (point to point)	_	_	...

Nr. POSITIONS:

A= 02 positions
B= 03 positions
C= 04 positions
D= 05 positions
E= 06 positions
F= 07 positions
G= 08 positions
H= 09 positions
I= 10 positions
M= 12 positions
Q= 16 positions

VOLTAGE:

A= 12 V DC
B= 24 V DC
C= 24 V (50-60 Hz)
D= 110 V (50-60 Hz)
E= 230 V (50-60 Hz)
Z= without coil

SHORT CODE FUNCTION / CONNECTION :

A1= S.V. 5/2 SOL.-SPRING G1/8"
A2= S.V. 5/2 SOL.-SPRING G1/4"
D1= S.V. 5/2 SOL.-SPRING G1/8" EXT. FEED.
B1= S.V. 5/2 SOL.-SOL. G1/8"
B2= S.V. 5/2 SOL.-SOL. G1/4"
E1= S.V. 5/2 SOL.-SOL. G1/8" EXT. FEED.
C1= S.V. 5/3 CC SOL.-SOL. G1/8"
C2= S.V. 5/3 CC SOL.-SOL. G1/4"
F1= S.V. 5/3 CC SOL.-SOL. G1/8" EXT. FEED.
C3= S.V. 5/3 OC SOL.-SOL. G1/8"
C4= S.V. 5/3 OC SOL.-SOL. G1/4"
F3= S.V. 5/3 OC SOL.-SOL. G1/8" EXT. FEED.
C5= S.V. 5/3 PC SOL.-SOL. G1/8"
C6= S.V. 5/3 PC SOL.-SOL. G1/4"
F5= S.V. 5/3 PC SOL.-SOL. G1/8" EXT. FEED.
T3= VALVE SPACE PLUG

Manifold layout Configuration Multi-pole

V22	M (Multi-pole)	_ _	_	_	...

LEFT ENDPLATES

P2= 25 poles (max. 11 S.E.)
P3= 37 poles (max. 16 S.E.)

LEFT BOARD SIGNALS

C= 04 positions
G= 08 positions
M= 12 positions
Q= 16 positions

RIGHT BOARD SIGNALS

C= 04 positions
G= 08 positions
M= 12 positions
Q= 16 positions
00= no board

SHORT CODE FUNCTION / CONNECTION :

A1= S.V. 5/2 SOL.-SPRING G1/8"
A2= S.V. 5/2 SOL.-SPRING G1/4"
D1= S.V. 5/2 SOL.-SPRING G1/8" EXT. FEEDING
B1= S.V. 5/2 SOL.-SOL. G1/8"
B2= S.V. 5/2 SOL.-SOL. G1/4"
E1= S.V. 5/2 SOL.-SOL. G1/8" EXT. FEEDING
C1= S.V. 5/3 CC SOL.-SOL. G1/8"
C2= S.V. 5/3 CC SOL.-SOL. G1/4"
F1= S.V. 5/3 CC SOL.-SOL. G1/8" EXT. FEEDING
C3= S.V. 5/3 OC SOL.-SOL. G1/8"
C4= S.V. 5/3 OC SOL.-SOL. G1/4"
F3= S.V. 5/3 OC SOL.-SOL. G1/8" EXT. FEEDING
C5= S.V. 5/3 PC SOL.-SOL. G1/8"
C6= S.V. 5/3 PC SOL.-SOL. G1/4"
F5= S.V. 5/3 PC SOL.-SOL. G1/8" EXT. FEEDING
T1= VALVE SPACE PLUG
+ Nr. 2 ELECTRICAL SPACE PLUGS

Serial manifold layout (for the serial system node, see the Optyma-F Series)

V22	S (Serial)	_ _	–	_ _	_	_	...

INPUT MODULE

A= None
D1= 8IN DIGITAL MODULE M8
D2= 16IN DIGITAL MODULE D-SUB 25 P
T1= 2IN ANALOG MODULE 0-5V
T2= 2IN ANALOG MODULE 0-10V
C1= 2IN ANALOG MODULE 0-20mA
C1= 2IN ANALOG MODULE 4-20mA

SERIAL NODE

C3= CANopen® 32 OUT
D3= DeviceNet 32 OUT
P3= PROFIBUS DP 32 OUT
A3= EtherCAT® 32 OUT
I3= EtherNet/IP 32 OUT
N3= PROFINET IO RT/IRT 32 OUT
L3= Powerlink 32 OUT
M3= Modbus/TCP 32 OUT

LEFT BOARD SIGNALS

C= 04 positions
G= 08 positions
M= 12 positions
Q= 16 positions

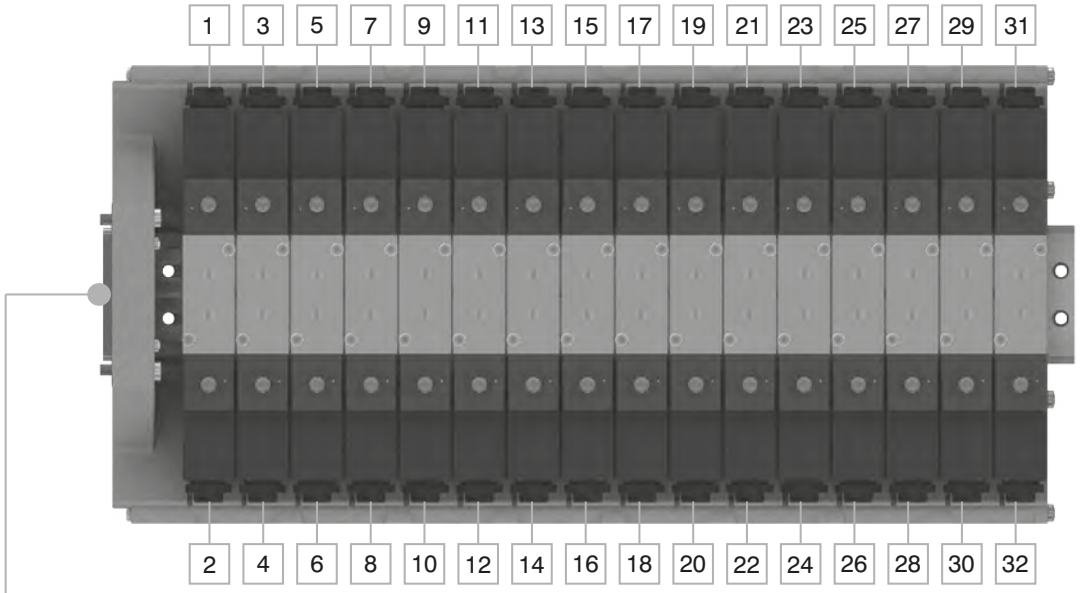
RIGHT BOARD SIGNALS

C= 04 positions
G= 08 positions
M= 12 positions
Q= 16 positions
00= no board

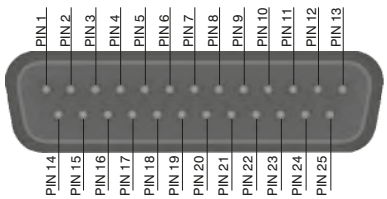
SHORT CODE FUNCTION / CONNECTION :

A1= S.V. 5/2 SOL.-SPRING G1/8"
A2= S.V. 5/2 SOL.-SPRING G1/4"
D1= S.V. 5/2 SOL.-SPRING G1/8" EXT. FEED.
B1= S.V. 5/2 SOL.-SOL. G1/8"
B2= S.V. 5/2 SOL.-SOL. G1/4"
E1= S.V. 5/2 SOL.-SOL. G1/8" EXT. FEED.
C1= S.V. 5/3 CC SOL.-SOL. G1/8"
C2= S.V. 5/3 CC SOL.-SOL. G1/4"
F1= S.V. 5/3 CC SOL.-SOL. G1/8" EXT. FEED.
C3= S.V. 5/3 OC SOL.-SOL. G1/8"
C4= S.V. 5/3 OC SOL.-SOL. G1/4"
F3= S.V. 5/3 OC SOL.-SOL. G1/8" EXT. FEED.
C5= S.V. 5/3 PC SOL.-SOL. G1/8"
C6= S.V. 5/3 PC SOL.-SOL. G1/4"
F5= S.V. 5/3 PC SOL.-SOL. G1/8" EXT. FEED.
T1= VALVE SPACE PLUG
+ Nr. 2 ELECTRICAL SPACE PLUGS

NOTE:
When constructing the configuration, please consider that the maximum number of valves that can be mounted on the manifold is 16, regardless of the valve type.
Any valve position presents two electrical connections: in case of use of monostable valves(A1-A2) it will be necessary to assemble a plug to protect the unused electrical connection.
The correspondence between the electrical signal and its location on the manifold is showed in the following diagrams.

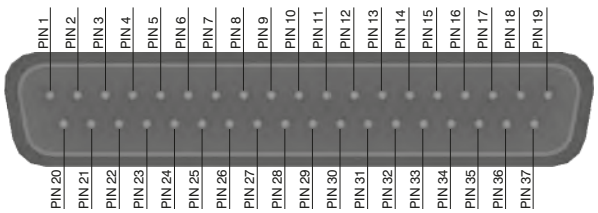


Connector 25 Poles from 1 to 11
Positions E.V. Bistable / Monostable



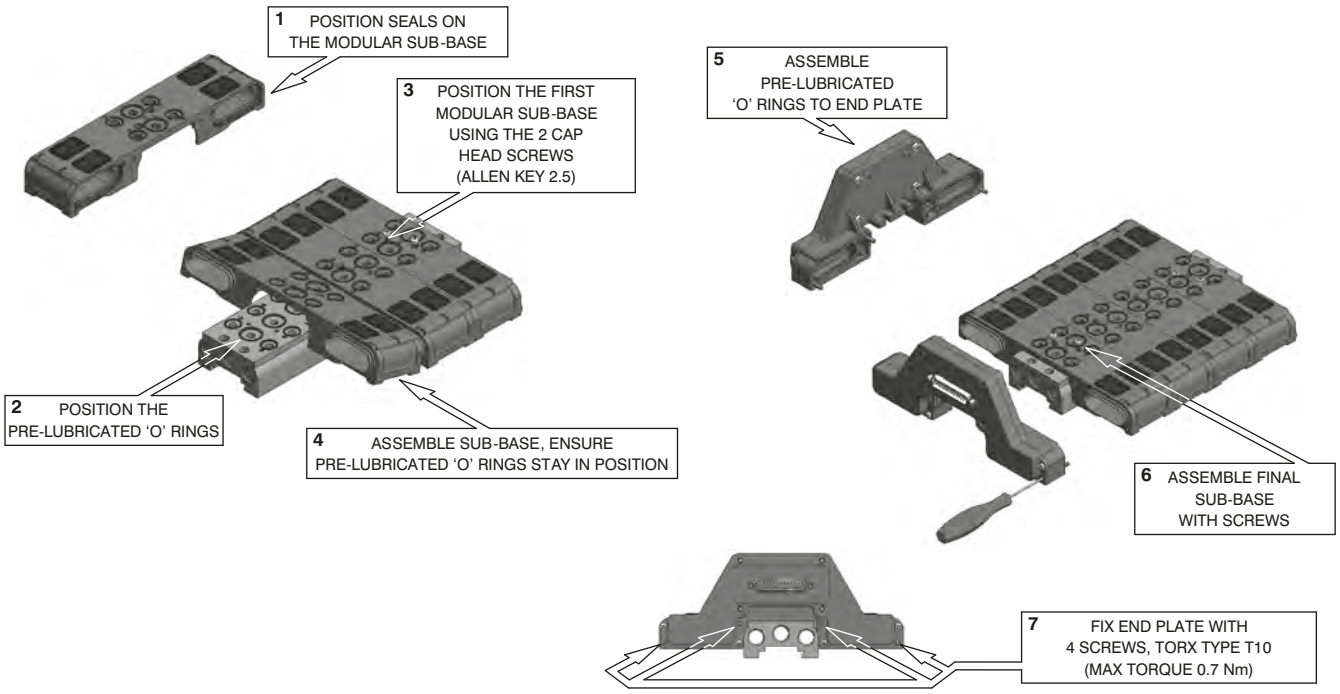
1 - 22 = SIGNALS
23 - 24 = GND
25 = NC

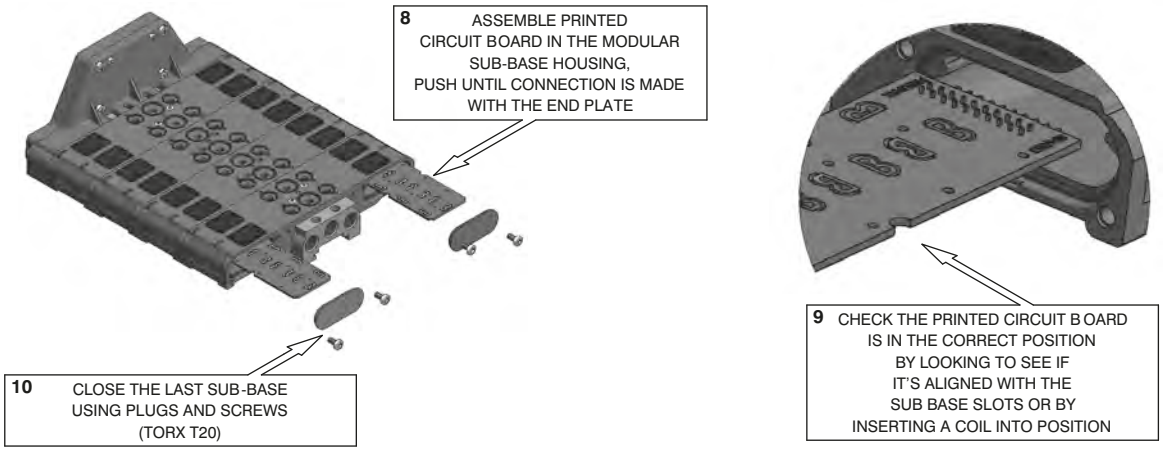
Connector 37 Poles from 1 to 16
Positions E.V. Bistable / Monostable

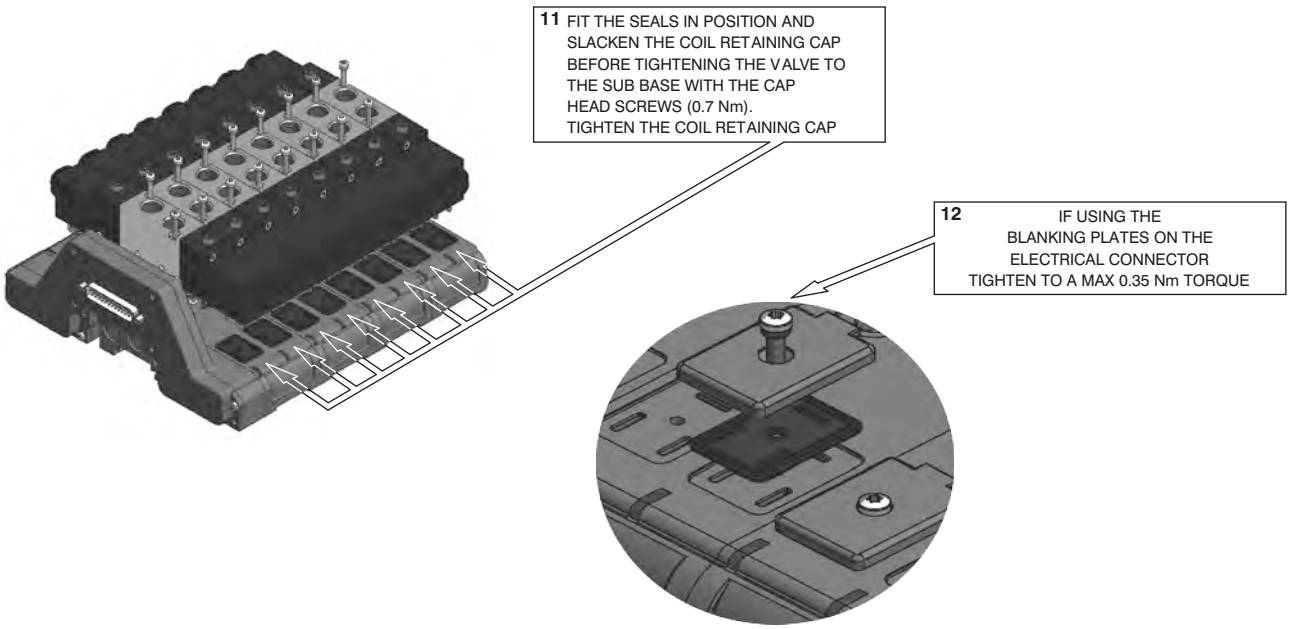


1 - 32 = SIGNALS
33 - 35 = GND
36 - 37 = NC

Assembly sequence





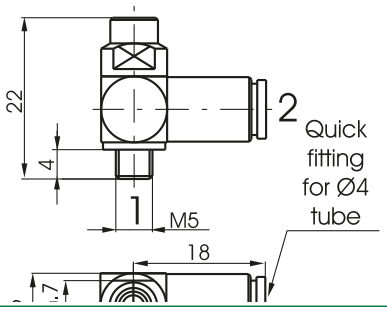


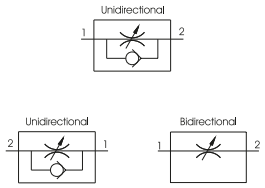
MIniature flow control valve M5 - Ø4 tube

Coding: 6.01.45.F

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	1.5

F	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional





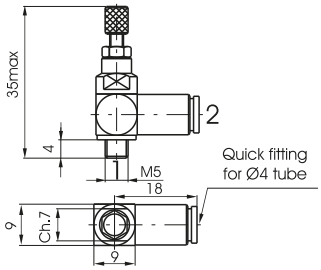
Weight 14 g

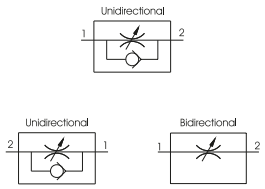
MIniature flow control valve M5 - Ø4 tube, with adjustement knob

Coding: 6.01.45.FP

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	1.5

F	FUNCTION
	1.2 = Unidirectional
	2.1 = Unidirectional
	1.1 = Bidirectional





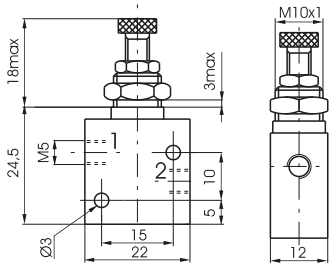
Weight 16 g

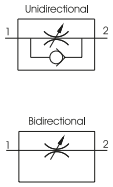
Flow control valve M5 - in line ports

Coding: 6.01.F

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	2

F	FUNCTION
	05 = Unidirectional
	05/2 = Bidirectional





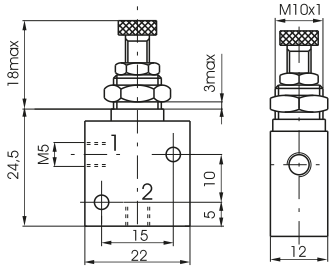
Weight 48 g

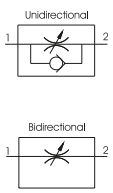
Flow control valve M5 - port at 90°

Coding: 6.01.05.F

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	2

F	FUNCTION
	90 = Unidirectional
	90/2 = Bidirectional





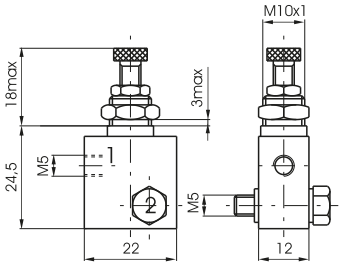
Weight 48 g

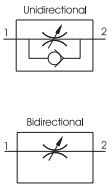
Flow control valve M5 - with a through bolt

Coding: 6.01.05.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	2

Ⓕ	FUNCTION	
	180 =	Unidirectional
	180/2 =	Bidirectional





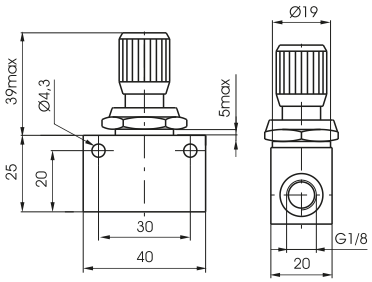
Weight 52 g

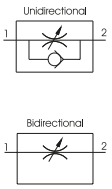
Flow control valve G1/8" - ultrasensitive

Coding: 6.01.18/Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	3

Ⓕ	FUNCTION
	4 = Unidirectional
	5 = Bidirectional





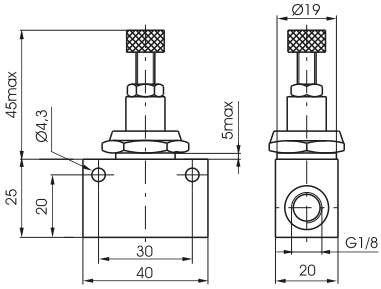
Weight 100 g

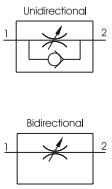
Flow control valve G1/8" - ultrasensitive with lock nut

Coding: 6.01.18/Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	3

Ⓕ	FUNCTION
	6 = Unidirectional
	7 = Bidirectional





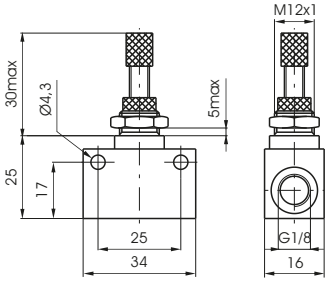
Weight 105 g

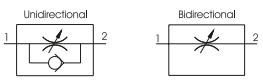
Flow control valve G1/8"

Coding: 6.01.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	4

Ⓕ	FUNCTION	
	18N =	Unidirectional
	18NE =	Bidirectional
	18/1N =	Unidirectional economic version
	18/1NE =	Bidirectional economic version



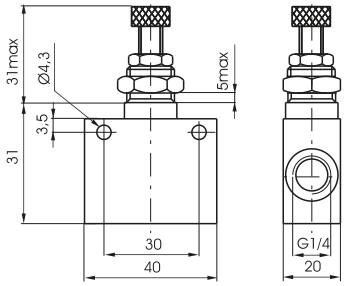


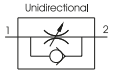
Weight 50 g

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

Coding: 6.01.14/1

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	5.5





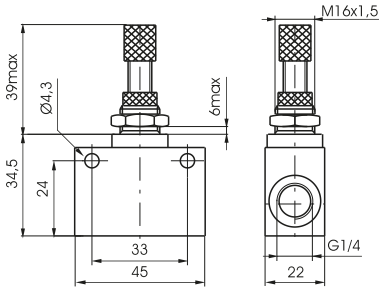
Weight 100 g

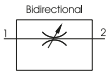
Flow control valve G1/4"

Coding: 6.01.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	7

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





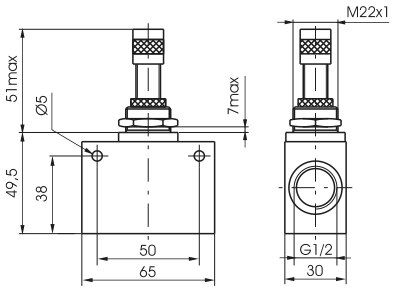
Weight 105 g

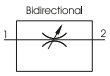
Flow control valve G1/2"

Coding: 6.01.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	12

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



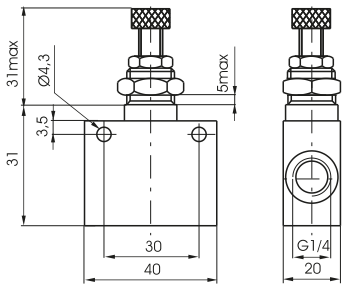


Weight 290 g

Flow control valve G3/4" - unidirectional

Coding: 6.01.34

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Orifice size (mm)	12



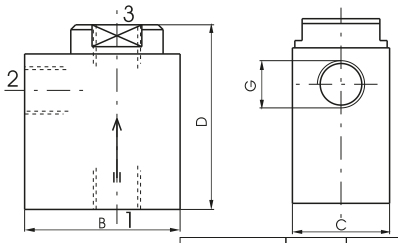
Weight 500 g

Quick exhaust valve

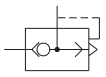
Coding: 6.02.❶

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0.5÷10
Temperature °C	-5 ÷ +70

	CONNECTION (IN)
❶	**05** = M5
	18 = G1/8"
	14 = G1/4"
	12 = G1/2"



G	M5	1/8"	1/4"	1/2"
B	22	32	35	52
C	12	20	25	37
D	28	38	50	62
Weight g	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



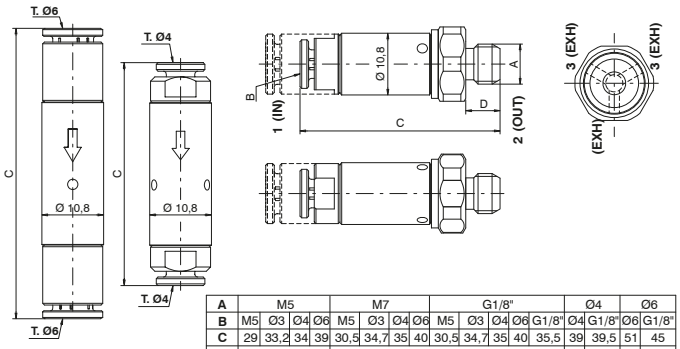
Weight "see table"

Quick exhaust in line valve

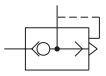
Coding: 6.02.❶.Ⓒ.L

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

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



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 (g)	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	



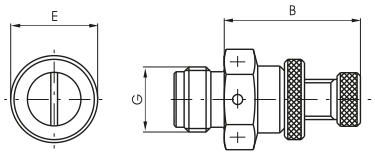
Weight "see table"

Exhaust flow control

Coding: 6.03.❶

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

	CONNECTION (IN)
❶	**05** = M5
	18 = G1/8"
	14 = G1/4"
	12 = G1/2"



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

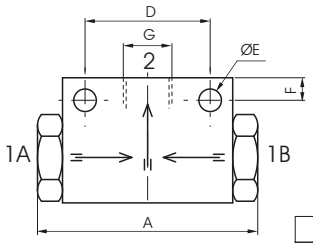
Weight "see table"

Shuttle valve "OR"

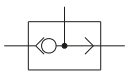
Coding: 6.04.❶

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

❶	CONNECTION (IN)
	05 = M5
	18 = G1/8"
	14 = G1/4"



G	M5	1/8"	1/4"
A	27	44	62
B	12	16	22
C	17	25	30
D	15	25	35
E	3,5	4,5	5,5
F	3,5	4,5	5,5
Weight g	33	50	110
Flow rate at 6 bar with Δp = 1 Nl/min.	110	700	2200

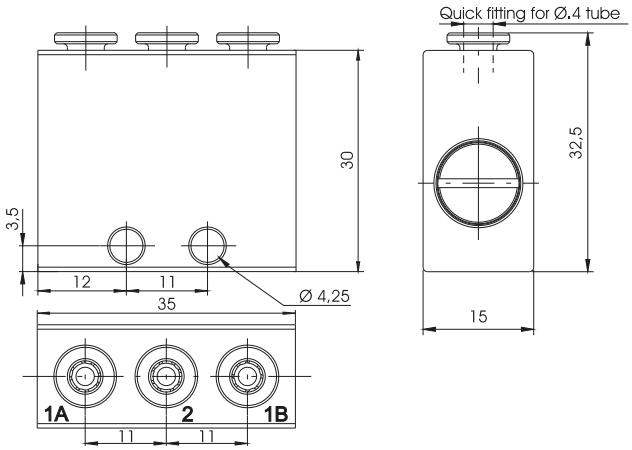


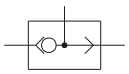
Weight "see table"

Shuttle valve "OR" - T=4

Coding: 6.04.04

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	105
Orifice size (mm)	2.5
Working ports size	Fitting T=4





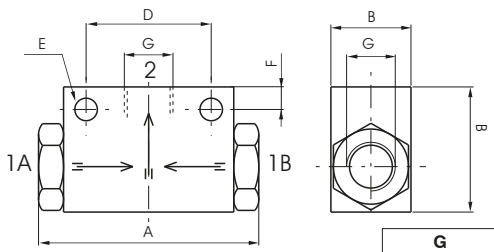
Weight 50 g

Shuttle valve "AND"-M5-G1/8"

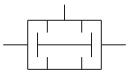
Coding: 6.04.❶/1

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

❶	CONNECTION (IN)
	05 = M5
	18 = G1/8"



G	M5	1/8"
A	36	44
B	12	16
C	22	45
D	20	25
E	3,2	4,5
F	3,5	4,5
Weight g	30	50
Flow rate at 6 bar with Δp = 1 Nl/min.	100	480

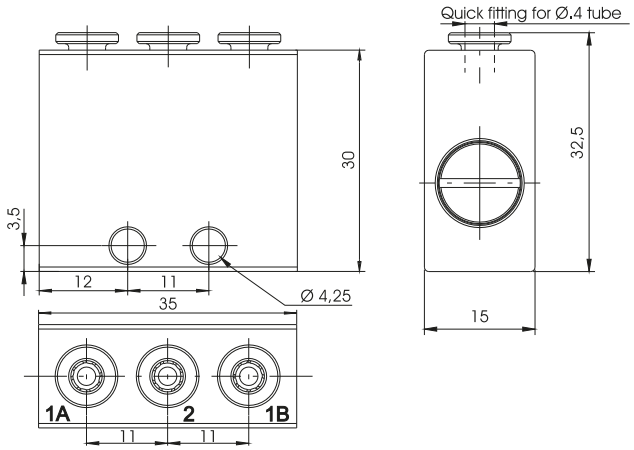


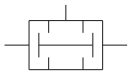
Weight "see table"

Shuttle valve "AND" - T=4

Coding: 6.04.04/1

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	105
Orifice size (mm)	2.5
Working ports size	Fitting T=4





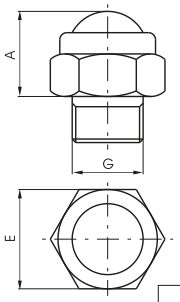
Weight 50 g

Silencers steel wool

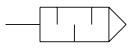
Coding: 6.05.❶

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

❶	CONNECTION (IN)
	18 = G1/8"
	14 = G1/4"
	38 = G3/8"
	12 = G1/2"



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



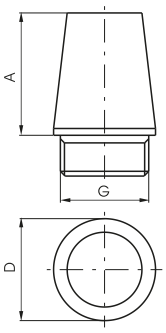
Weight "see table"

Silencers brass

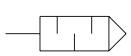
Coding: 6.06.❶

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70

❶	CONNECTION (IN)
	05 = M5
	18 = G1/8"
	14 = G1/4"
	38 = G3/8"
	12 = G1/2"
	34 = G3/4"
	01 = G1"



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 g	4	8	15	35	50	92	182



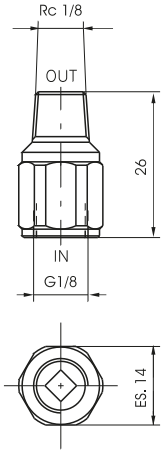
Weight "see table"

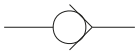
G 1/8" compact check valves

Coding: 6.07.18.G

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	2,5 ÷ 10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	100

G	SEALS
	R = NBR
	VR = FPM





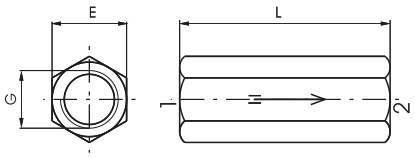
Weight 50 g

Non return valve

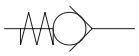
Coding: 6.07.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70 (+150°C FPM)

T	SEALS
	05 = NBR-M5
	18 = NBR-G1/8"
	14 = NBR-G1/4"
	38 = NBR-G3/8"
	12 = NBR-G1/2"
	18V = FPM-G1/8"
	14V = FPM-G1/4"
	38V = FPM-G3/8"
	12V = in FPM-G1/2"



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



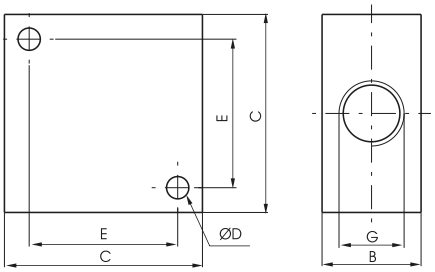
Weight "see table"

Manifold 4 ports

Coding: 6.08.C/4

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	20
Temperature °C	-5 ÷ +70

C	WORKING PORTS SIZE
	05 = M5
	18 = G1/8"
	14 = G1/4"
	38 = G3/8"
	12 = G1/2"



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 g	28	38	68	54	135

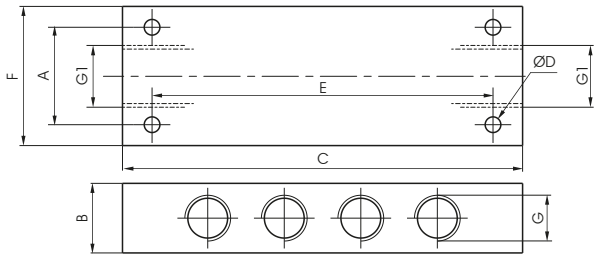
Weight "see table"

Manifold 10 ports

Coding: 6.08.Ⓒ/8

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	20
Temperature °C	-5 ÷ +70

Ⓒ	WORKING PORTS SIZE
	05 = M5
	18 = G1/8"
	14 = G1/4"
	38 = G3/8"
	12 = G1/2"



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 g	92	110	185	165	460

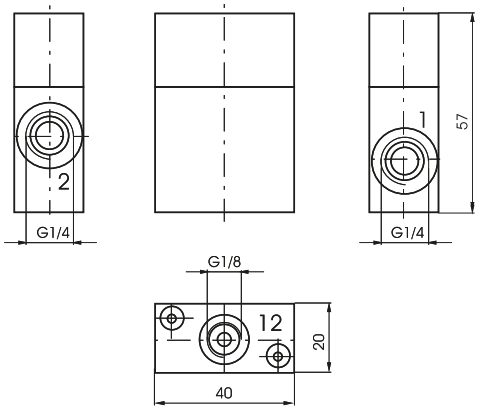
Weight "see table"

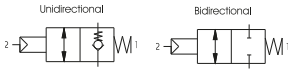
Block valve G1/4"

Coding: 6.09.14.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Maximum piloting pressure (bar)	4
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	700
Orifice size (mm)	7

Ⓕ	FUNCTION		
	UN	=	Unidirectional
	BN	=	Bidirectional





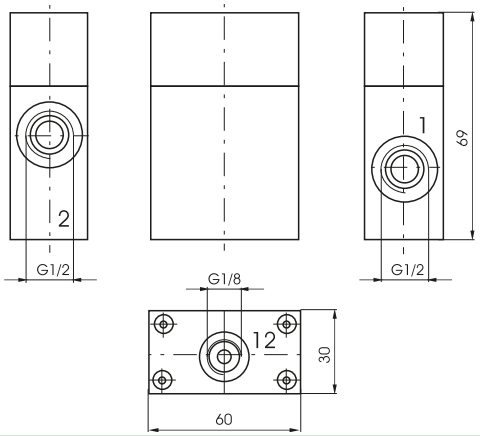
Weight 122 g

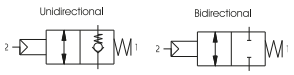
Block valve G1/2"

Coding: 6.09.12.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Maximum piloting pressure (bar)	4
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	2000
Orifice size (mm)	12

Ⓕ	FUNCTION		
	UN	=	Unidirectional
	BN	=	Bidirectional





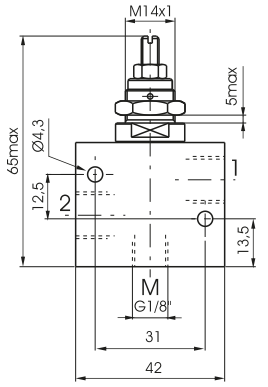
Weight 305 g

Economizer

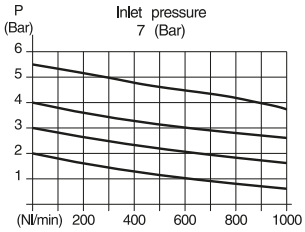
Coding: 6.11.©

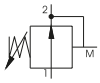
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Pressure range (bar)	0 ÷ 5,5
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	860
Orifice size (mm)	6

©	WORKING PORTS SIZE
	18 = G1/8"
	14 = G1/4"



FLOW RATE CURVES
FROM 1 TO 2



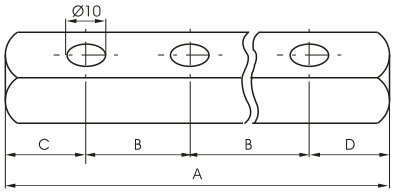


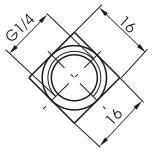
Weight 85 g

Gang mounting manifold for valves and solenoid valves G1/8"

Coding: 6.10.18.Ⓢ/Ⓟ

Ⓢ	VALVE SIZE
	18 = 18 mm
	25 = 25 mm
	26 = 26 mm
	30 = 30 mm
	32 = 32 mm
	35 = 35 mm
Ⓟ	N. 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





6.10.18.18/Ⓟ
Weight "see table"

	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 g	55	80	105	130	155	180	205	230	255

6.10.18.25/Ⓟ
Weight "see table"

	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 g	80	115	150	185	220	255	290	325	360

6.10.18.26/Ⓟ
Weight "see table"

	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 g	70	110	145	185	220	260	300	340	375

6.10.18.30/Ⓟ
Weight "see table"

	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 g	100	140	180	220	260	300	340	380	420

6.10.18.32/Ⓟ
Weight "see table"

	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 g	100	145	190	235	280	325	370	415	460

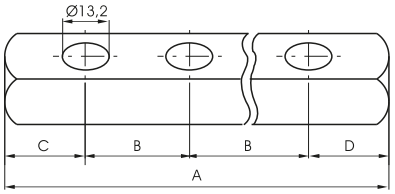
6.10.18.35/Ⓟ
Weight "see table"

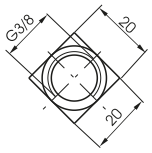
	N. OF POSITIONS								
	2	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
A	89	124	159	194	229	264	299	334	369
B	35	35	35	35	35	35	35	35	35
C	27	27	27	27	27	27	27	27	27
D	27	27	27	27	27	27	27	27	27
Weight g	110	160	210	260	310	360	410	460	510

Gang mounting manifold for valves and solenoid valves G1/4"

Coding: 6.10.14.Ⓢ/Ⓟ

Ⓢ	VALVE SIZE
	20 = 20 mm
	25 = 25 mm
	30 = 30 mm
	35 = 35 mm
	45 = 45 mm
Ⓟ	N. 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





6.10.14.20/Ⓟ
Weight "see table"

	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 g	130	150	190	190	210	230	250	270	290

6.10.14.25/Ⓟ
Weight "see table"

	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 g	140	170	200	230	260	290	320	350	380

6.10.14.30/Ⓟ
Weight "see table"

	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 g	150	190	230	270	310	350	390	430	470

6.10.14.35/Ⓟ
Weight "see table"

	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 g	160	210	260	310	360	410	460	510	560

6.10.14.45/Ⓟ
Weight "see table"

	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 g	200	275	350	425	500	575	650	725	800

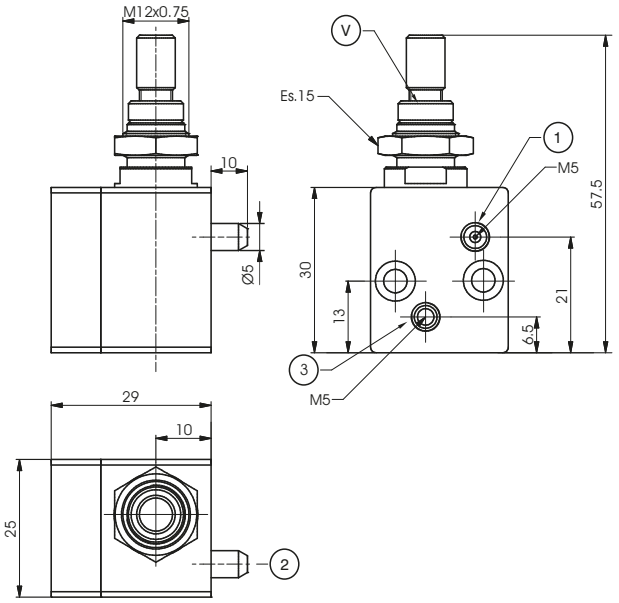
Spry valves

Coding: 6.13.00

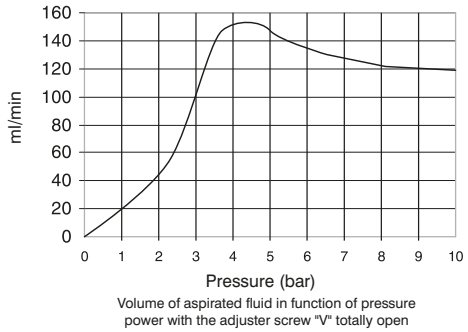
Construction characteristics

- 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 characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Liquid	Water and oil (Liquid viscosity 3°E-5°E)
Working pressure (bar)	3 ÷ 10
Temperature °C	-5 ÷ +70
Weight (g)	85

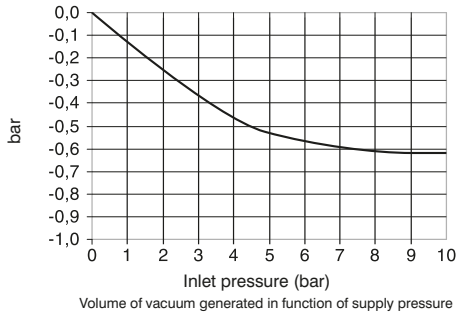


Liquid consumption diagram

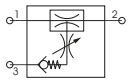


Volume of aspirated fluid in function of pressure power with the adjuster screw "V" totally open

Vacuum diagram



Volume of vacuum generated in function of supply pressure



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

Series 900

General

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 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. This simple operation it should be carried out by a competent person.

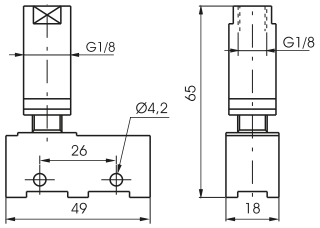
ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).

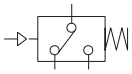
Pressure switch G 1/8" - screw connections

Coding: 900.18.1-Ⓟ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate microswitch	13 (3) A to 220V~
Pilot ports size	G1/8"

Ⓟ	PRESSURE
	1 = Min. switch pressure 1 bar
	4 = Min. switch pressure 4 bar





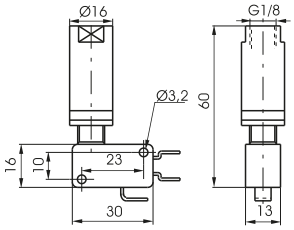
Weight 75 g

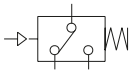
Pressure switch G 1/8" - spade connections

Coding: 900.18.1/Ⓟ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate microswitch	16 (5) A to 220V~
Pilot ports size	G1/8"

Ⓟ	PRESSURE
	1 = Min. switch pressure 1 bar
	4 = Min. switch pressure 4 bar

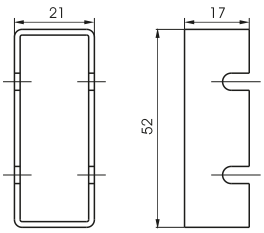




Weight 60 g

Switch protection

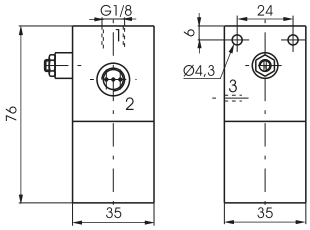
Coding: 900.18.0

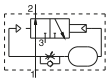


Weight 6 g

Impulse generator

Coding: 900.18.2N





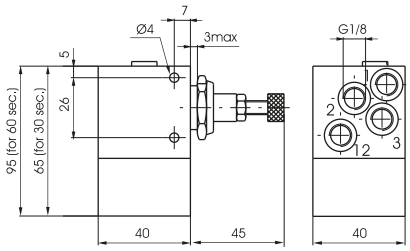
Weight 325 g

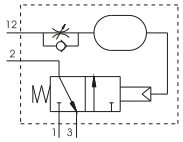
Pneumatic timer N.C. - G 1/8"

Coding: 900.18.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	3 ÷ 10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	130
Orifice size (mm)	2.5

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





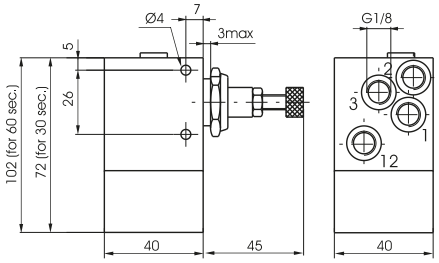
Weight 290 (30 sec.) g
weight 350 g (60 sec.)

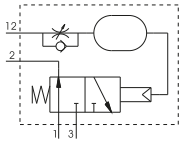
Pneumatic timer N.O. - G 1/8"

Coding: 900.18.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	4 ÷ 10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	130
Orifice size (mm)	2.5

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



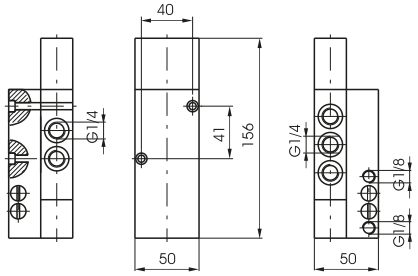


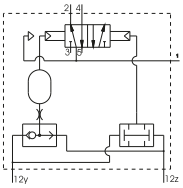
Weight 320 (30 sec.) g
weight 380 g (60 sec.)

Two hands safety valve G 1/4"

Coding: 900.52.1.1

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	1030
Orifice size (mm)	7
Working ports size	G1/4"
Pilot ports size	G1/8"



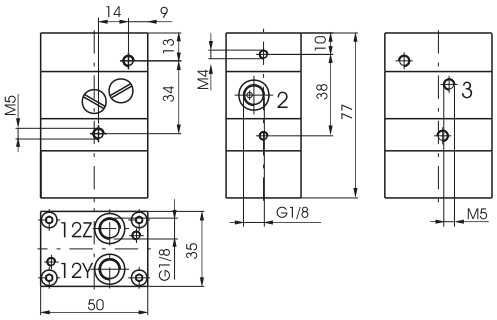


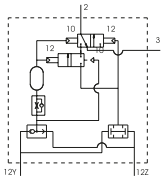
Weight 780 g

Two hands safety valve III A class certification (according to EN 574 standard)

Coding: 900.18.9

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	3 ÷ 8
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	40
Orifice size (mm)	2.5
Working ports size	G1/8"
Pilot ports size	G1/8"



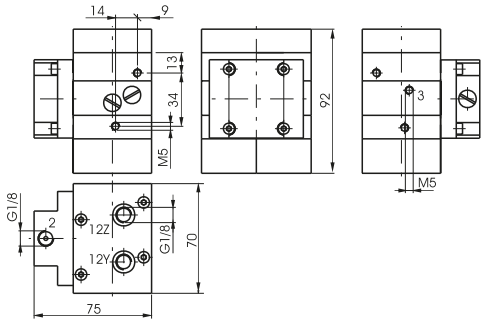


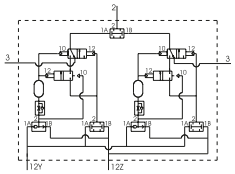
Weight 340 g

Two hands safety valve III B class certification (according to EN 574 standard)

Coding: 900.18.10

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	3 ÷ 8
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	40
Orifice size (mm)	2.5
Working ports size	G1/8"
Pilot ports size	G1/8"

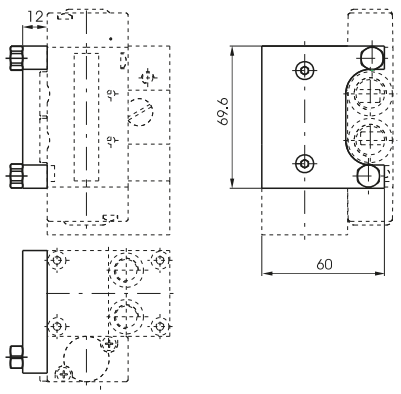




Weight 980 g

Power valve adaptor (Series 2400)

Coding: 900.18.11

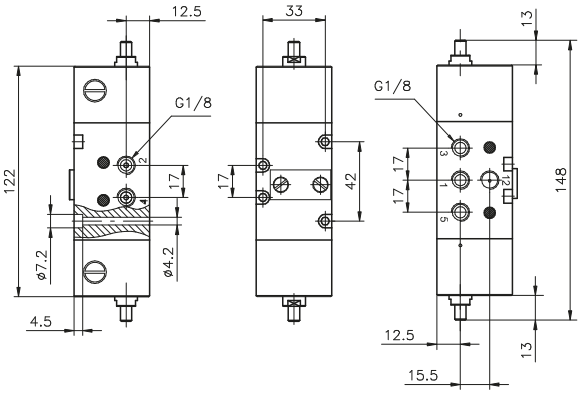


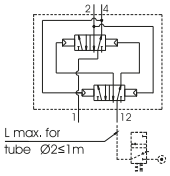
Weight 75 g

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

Coding: 900.52.1.3

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	540
Orifice size (mm)	6
Working ports size	G1/8"





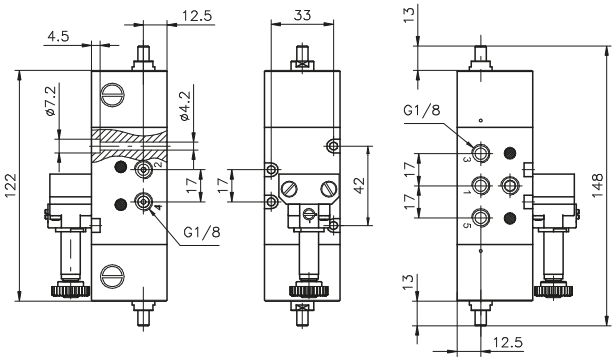
Weight 550 g

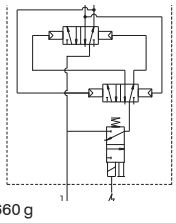
Attention : Pressure of signal "12" must be the same or higher than device inlet pressure. The maximum distance between the pilot valve and the device must not exceed 1Mtr. (see pneumatic scheme). Should be necessary to work at a greater distance it is advisable to use a pneumatic-spring shut-off valve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

Flip-flop valve - Electric command with M2 mechanic

Coding: 900.52.1.4

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	540
Orifice size (mm)	6
Working ports size	G1/8"



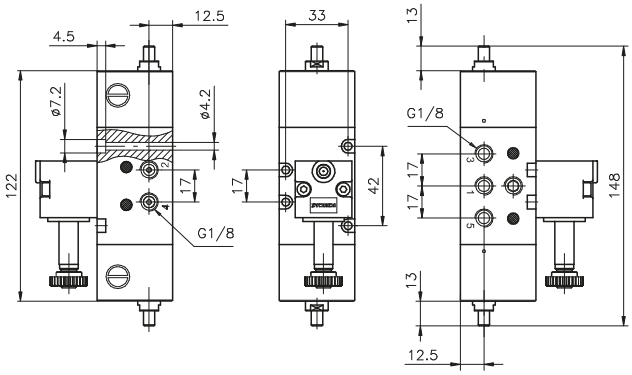


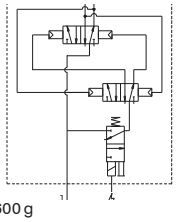
Weight 660 g

Flip-flop valve - Electric command with M3P CNOMO

Coding: 900.52.1.5

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	540
Orifice size (mm)	6
Working ports size	G1/8"





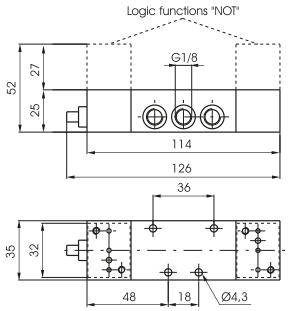
Weight 600 g

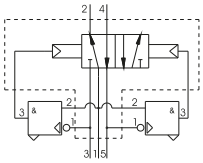
Oscillator valve G 1/8"

Coding: 900.52.Ⓕ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	8
Min working pressure	2
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	540
Orifice size (mm)	6
Working ports size	G1/8"

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



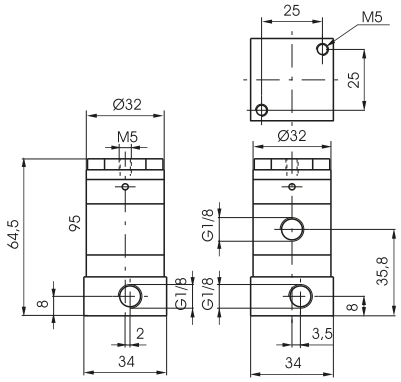


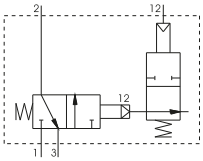
Weight 600 g

Signal amplifier G 1/8"

Coding: 900.32.6

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Min working pressure	0.05
Temperature °C	-5 ÷ +70
Flow rate at 6 bar with Δp=1 (Nl/min)	130
Orifice size (mm)	3
Working ports size	G1/8"



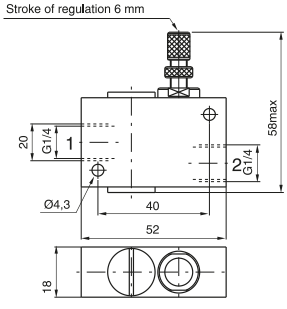


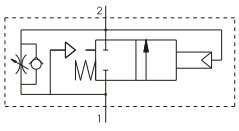
Weight 170 g

Progressive start-up valve G 1/4"

Coding: 900.14.7

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	2,5 ÷ 10
Temperature °C	-5 ÷ +70
Flow rate from 1 to 2 (Nl/min)	760
Flow rate from 2 to 1 (Nl/min)	900
Orifice size (mm)	6



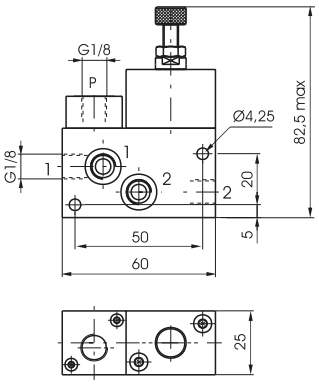


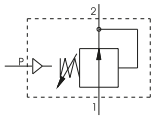
Weight 100 g
Flow rate needle fully open from port 1 to 2 (Nl/min.) = 200

High-low pressure device

Coding: 900.18.8.P

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Pressure range (bar)	1 ÷ 4
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	650
Working ports size	G1/8"



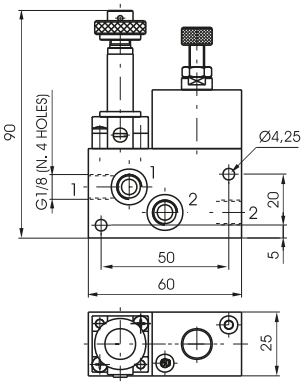


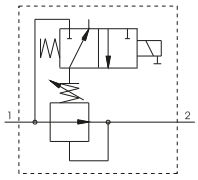
Weight 240 g
with pneumatic pilot

High-low pressure device

Coding: 900.18.8.E

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Pressure range (bar)	1 ÷ 4
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	650
Working ports size	G1/8"

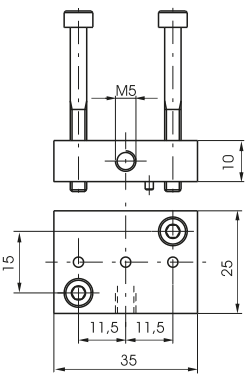




Weight 280 g
with M2 mechanic

External feeding base "NOT" logical element

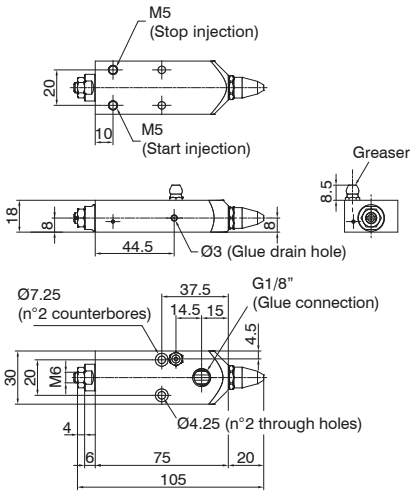
Coding: 900.005



Weight 35 g

Pneumatic glue injector

Coding: 900.19.01



Construction characteristics

- External components: nickel-plated brass / stainless steel
- Piloting connections: M5
- Glue connection: G1/8"
- Glue Seal: special PTFE
- Pneumatic seals: NBR
- Grease nipple: Stainless steel
- Spray intensity adjustment screw: Stainless steel

Technical characteristics	
Injection fluid	Vinyl glue
Pressure Glue (bar)	7
Pneumatic fluid piloting	Filtered air. No lubrication needed, if applied it shall be continuous
Opening pilot (bar)	3 ÷ 6
Closing pilot (bar)	3 ÷ 6 (or spring)
Temperature °C	-5 ÷ +70
Weight (g)	285

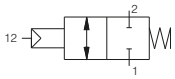
Series 50

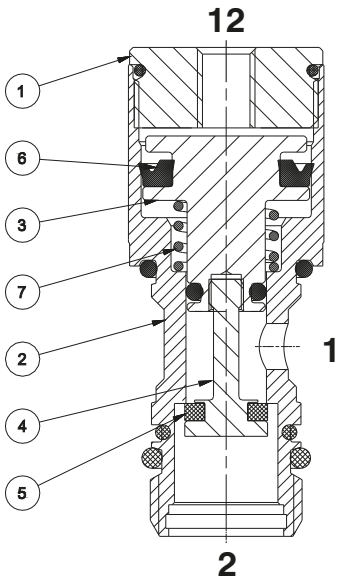
General

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

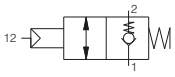
UNIDIRECTIONAL VERSION

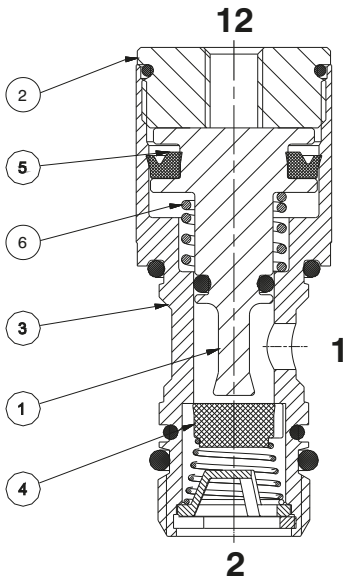




1 - Aluminium piston
2 - Brass plug
3 - Brass body
4 - FPM poppet (1/8" and 1/4" version) PUR poppet
5 - NBR seal
6 - Steel spring

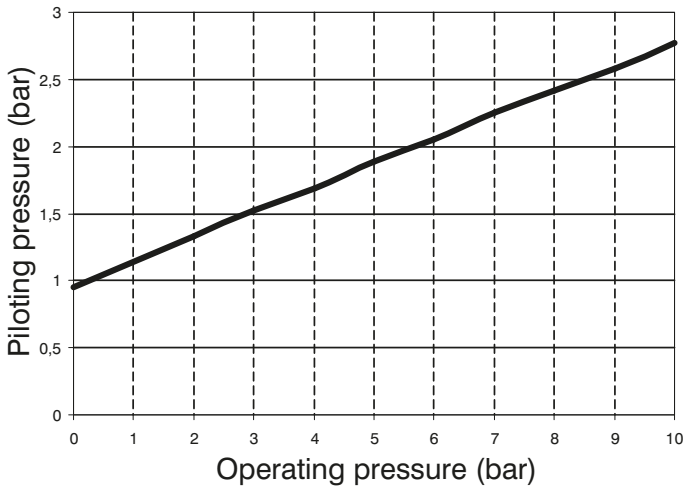
BIDIRECTIONAL VERSION





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

Working curves

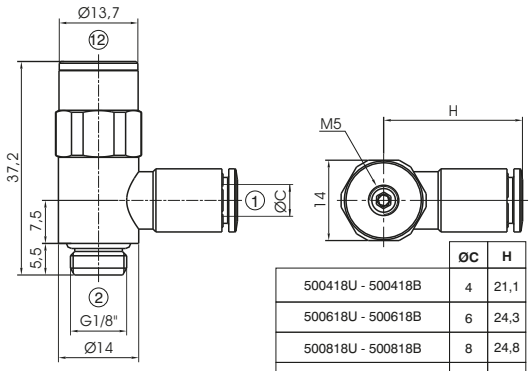


Blocking valves metal type - Size 1/8"

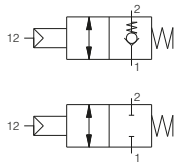
Coding: 50 T 18 V

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	285
Flow rate with free exhaus (Nl/min)	450

T	METAL TYPE
	A = Banjo only
	04 = Banjo Ø4
	06 = Banjo Ø6
	08 = Banjo Ø8
	18 = Banjo G1/8"
V	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

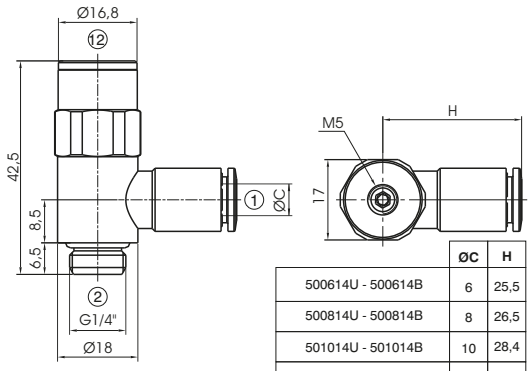


Blocking valves metal type - Size 1/4"

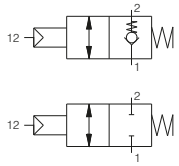
Coding: 50 T 14 V

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	530
Flow rate with free exhaus (Nl/min)	800

T	METAL TYPE
	A = Banjo only
	06 = Banjo Ø6
	08 = Banjo Ø8
	10 = Banjo Ø10
	14 = Banjo G1/4"
V	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

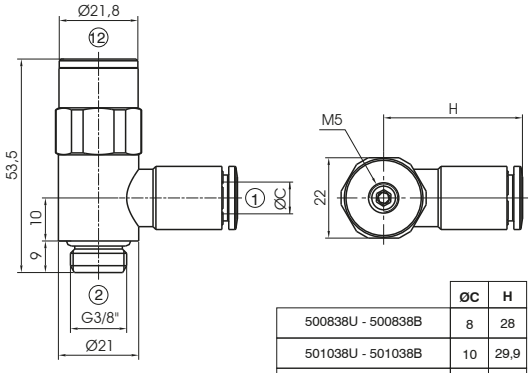


Blocking valves metal type - Size3/8"

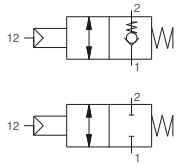
Coding: 50 T 38 V

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	1000
Flow rate with free exhaus (Nl/min)	1600

T	METAL TYPE
	A = Banjo only
	08 = Banjo Ø8
	10 = Banjo Ø10
	12 = Banjo Ø12
	38 = Banjo G3/8"
V	VERSION
	U = Unidirectional
	B = Bidirectional



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

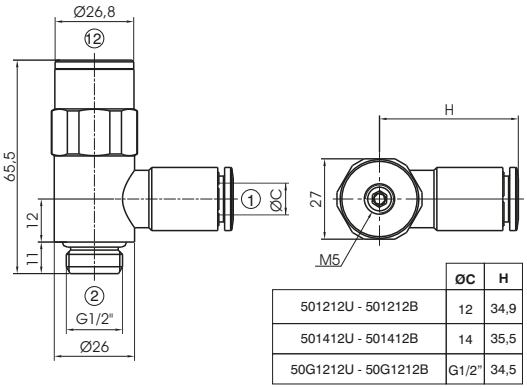


Blocking valves metal type - Size1/2"

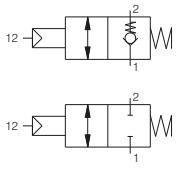
Coding: 50Ⓣ12Ⓥ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	1300
Flow rate with free exhaus (Nl/min)	2600

Ⓣ	METAL TYPE
	A = Banjo only
	12 = Banjo Ø12
	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

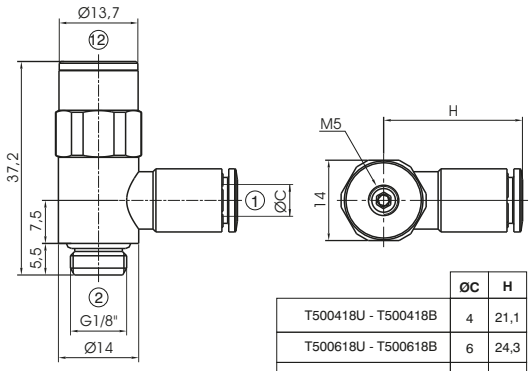


Blocking valves technopolymer type - Size 1/8"

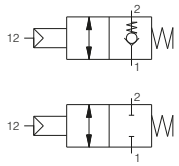
Coding: T50(T)18(V)

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	285
Flow rate with free exhaus (Nl/min)	450

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



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

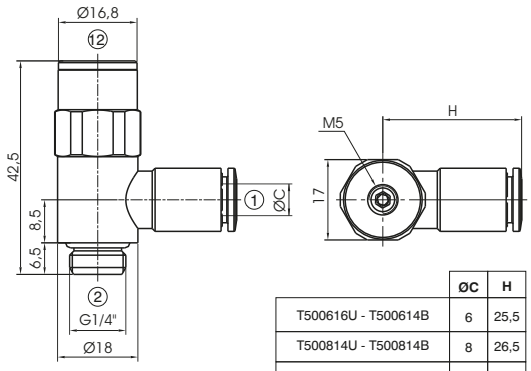


Blocking valves technopolymer type - Size 1/4"

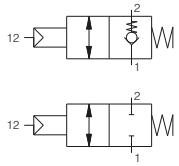
Coding: T50(T)14(V)

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	530
Flow rate with free exhaus (Nl/min)	800

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



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

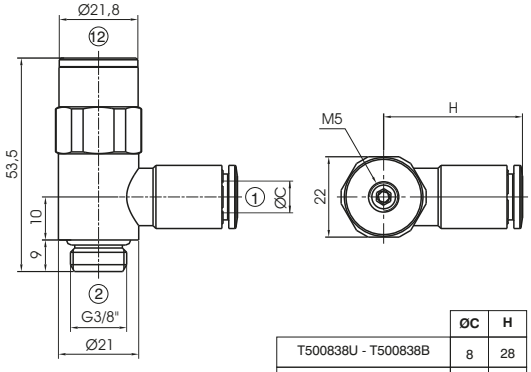


Blocking valves technopolymer type - Size 3/8"

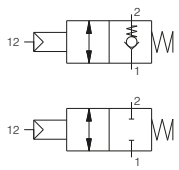
Coding: T50(T)38(V)

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	1000
Flow rate with free exhaus (Nl/min)	1600

(T)	METAL TYPE
	A = Banjo only
	08 = Banjo Ø8
	10 = Banjo Ø10
	12 = Banjo Ø12
(V)	VERSION
	U = Unidirectional
	B = Bidirectional



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

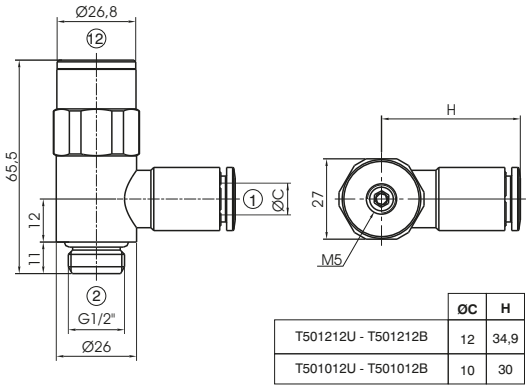


Blocking valves technopolymer type - Size 1/2"

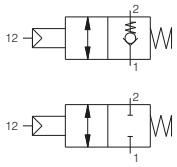
Coding: T50Ⓣ12Ⓥ

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	0,5 ÷ 10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	1300
Flow rate with free exhaus (Nl/min)	2600

Ⓣ	METAL TYPE
	A = Banjo only
	10 = Banjo Ø10
	12 = Banjo Ø12
Ⓥ	VERSION
	U = Unidirectional
	B = Bidirectional



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

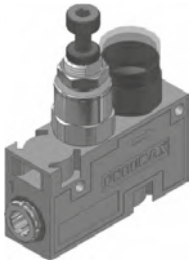


Series 1750-1760

General

This new type of miniaturised pressure regulators are mostly indicated for the use on the secondary level of the pneumatic circuits. Thanks to the contained dimensions are particularly indicated to be used very closely or directly mounted onto the consumption. Three versions are available.

Version rod G1/8" swivel ring with female thread G 1/8" and G 1/4" or push-in fitting for tube Ø4, Ø6 and Ø8



model with body in technopolymer integrated gauge and quick coupling fittings for tube Ø4 and Ø6.

G/1/8" model to be directly mounted onto the valve

Compact design to be directly mounted onto the valves uses standard swivel rings with G1/8" female thread (ref 41218) or quick coupling fittings for tube sizes. It is also possible to supply the regulating shaft without the swivel ring.

Model with body in technopolymer and integrated gauge

is the more complete solution, comprises a movable gauge which enables to check the regulated pressure.

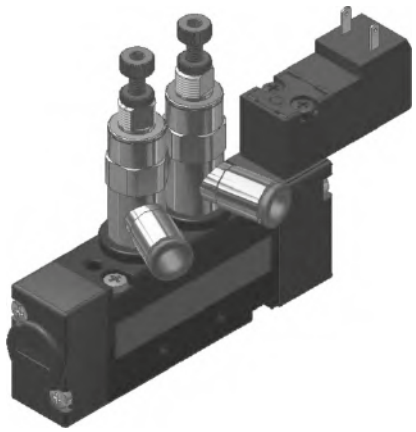
Is manufactured using the same regulating unit as the base model fitted into a technopolymer body on which are inserted two quick coupling cartridges, 4mm or 6mm tube for inlet and outlet connections; two side plates lock the cartridges and gauge in position.

It is possible to join together more than one regulator by means of a dedicated adaptor made of technopolymer which must be inserted in the appropriate slot. (the air must be supplied independently to each regulator.)

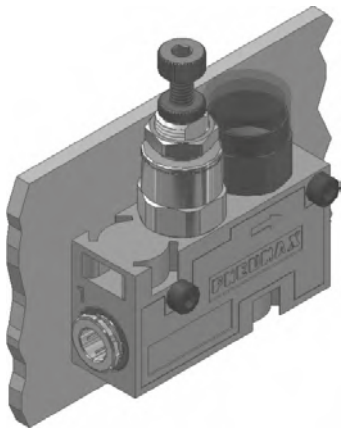
Several mounting solutions are available: wall mounting via two mounting holes, on DIN rail using the specific accessories or on panels.

Mounting solutions

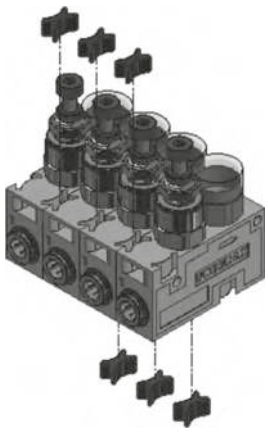
G/1/8" model to be directly mounted onto the valve:
Directly mounted onto the valves threaded connections (consumptions)



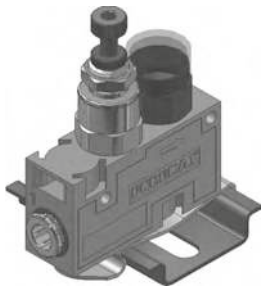
Model with body in technopolymer and integrated gauge:
Panel mounting via the locking nut



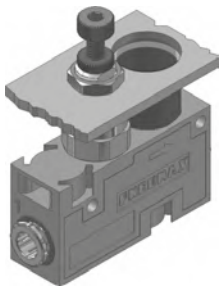
Model with body in technopolymer and integrated gauge:
Wall mounting via the mounting holes on the body



Model with body in technopolymer and integrated gauge:
On DIN rail using the specific accessories



Model with body in technopolymer and integrated gauge:
Panel mounting via the locking nut



Miniaturised pressure regulators - with technopolymer body

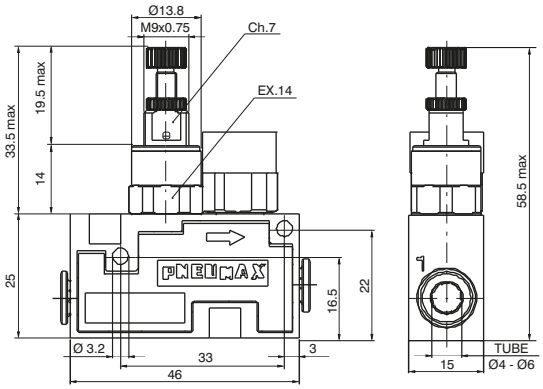
Coding: 17522AⒸ.Ⓖ

Construction characteristics

- Regulating cartridge = Nickel-plated brass
- Regulator body = Technopolymer
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Operational characteristics	
Max working pressure (bar)	10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	120
Working ports size	Ø4-Ø6
Inlet connections sizes	Ø4-Ø6
Mounting positioning	Any

Ⓒ	CONNECTIONS
	4 = Tube Ø4
	6 = Tube Ø6
Ⓖ	REGULATION RANGE
	C = 0÷8bar
	B = 0÷4bar
	A = 0÷2bar



Miniaturised pressure regulators, rod G1/8"

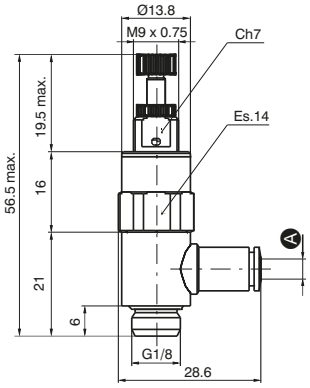
Coding: 17602AⒶ.Ⓖ

Construction characteristics

- Regulating cartridge = Nickel-plated brass
- Regulator body = Nickel-plated brass
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Operational characteristics	
Max working pressure (bar)	10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	120
Working ports size	G1/8"
Inlet connections sizes	G1/8"-Ø4-Ø6-Ø8
Mounting positioning	Any

Ⓐ	SWIVEL RING
	0 = None
	1 = Swivel ring G1/8" female
	4 = Tube Ø4
	6 = Tube Ø6
	8 = Tube Ø8
Ⓖ	REGULATION RANGE
	C = 0÷8bar
	B = 0÷4bar
	A = 0÷2bar



Miniaturised pressure regulators, rod G1/4"

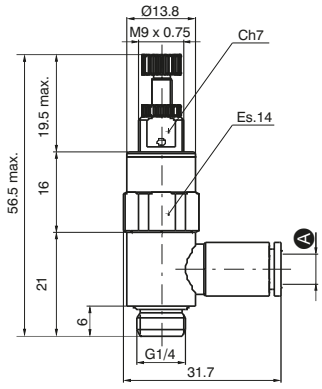
Coding: 17602BⒶ.Ⓖ

Construction characteristics

- Regulating cartridge = Nickel-plated brass
- Regulator body = Nickel-plated brass
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Operational characteristics	
Max working pressure (bar)	10
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	120
Working ports size	G1/4"
Inlet connections sizes	G1/4"-Ø4-Ø6-Ø8
Mounting positioning	Any

Ⓐ	SWIVEL RING
	0 = None
	1 = Swivel ring G1/4" female
	6 = Tube Ø6
	8 = Tube Ø8
Ⓖ	REGULATION RANGE
	C = 0÷8bar
	B = 0÷4bar
	A = 0÷2bar



Series Mini-RAP

Technical data

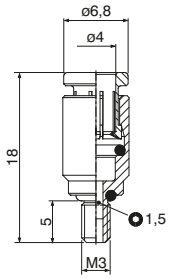
Working temperature: -20°C +70°C
Maximum working pressure: 10 bar
Fluid: Compressed air (others fluids on requests)
Nichel-plated brass body, Brass grip, Silicone free NBR gaskets
Thread: Cylindrical with O-Ring
Maximum fixing torque for fittings
Thread: M3: 0,4 Nm
Thread: M6 and M6x0,75: 1,3 Nm

Main characteristics

1. Can be inserted and extracted with one hand
2. Suitable for tube Rilsan, Polyurethane, Nylon, Polyethylene
3. Supercompact
4. Extremely lightweight yet sturdy
5. O-Ring provided with his own seat to ensure seal with polished surface
6. Suitable for vacuum applicatio

RDR Straight male adaptor (parallel)

Coding: RDR3.40-MH05

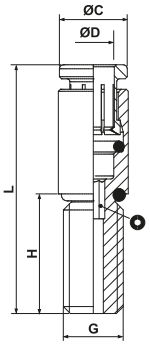


RDR3.40-MH05

RDR Straight male adaptor (parallel)

Coding: RDR6.40-Ⓥ

Ⓥ	VERSION		
	MH12	=	M6, H=12mm
	FH12	=	M6x0,75, H=12mm

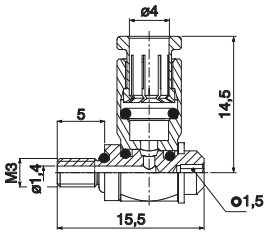


CODE	ØD	G	ØC	H	L	O
RDR6.40-MH12	4	M6	6,8	12	25	2
RDR6.40-FH12	4	M6x0,75	6,8	12	25	2

RDR6.40-Ⓥ

RGR Complete single banjo with stem

Coding: RGR3.40-MH05

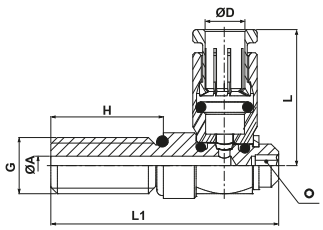


RGR3.40-MH05

RGR Complete single banjo with stem

Coding: RGR6.40-Ⓥ

Ⓥ	VERSION		
	MH12	=	M6, H=12mm
	FH12	=	M6x0,75, H=12mm



CODE	ØD	G	ØA	H	L1	L	O
RGR6.40-MH12	4	M6	2	12	24,3	14,5	2
RGR6.40-FH12	4	M6x0,75	2	12	24,3	14,5	2

RGR6.40-Ⓥ