

Coils - Not For ATEX

Technical information

Type:	DIN B
Electrical standards:	EN 60335-1 EN 60730-1
Pull-in power:	Approx. 1.5 x nominal (AC)
Insulation class:	F (155°C)
Duty cycle:	Continuous 100%
Copper enamelled wire:	Temperature class H (200°C)
Bobbin materials:	PA 6.6
Electrical connections:	3 spade connectors (6.3 x 0.8 DIN 46247)



Power	Nominal resistance [Ω]	Nominal current [mA]	Return power	Pull-in/drop-out time	Voltage	Order code
(DC Version) approx. 2.5 W	56	214	0.1 W	15 - 20 ms	12	76.410.00.01
	220	109			24	76.410.00.02
	900	53			48	76.410.00.03
	4300	25.5			110	76.410.00.04
(AC Version) approx. 4.0 / 3.5 VA (50/60Hz)	56	167/146	1.5 VA	15 - 20 ms	24	76.410.02.12
	220	84/73			48	76.410.02.13
	1280	37/32			110	76.410.02.14
	4750	18/16			230	76.410.02.15

Plugs - Not For ATEX

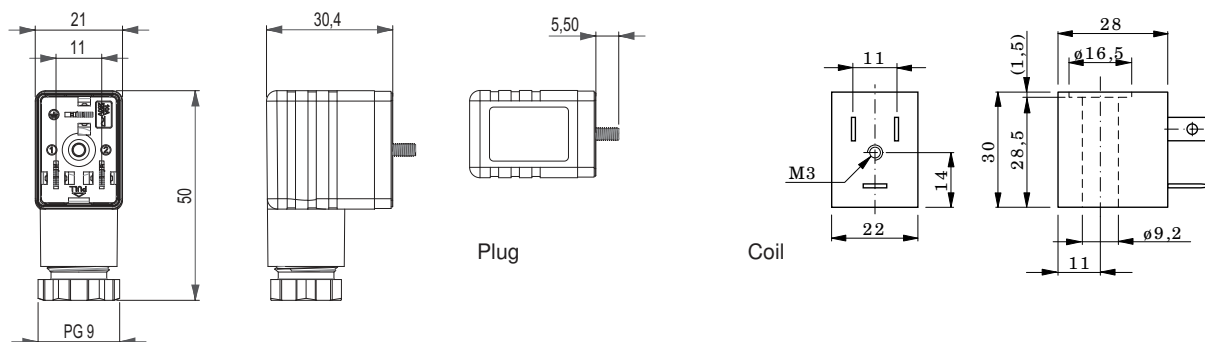
Technical information

Type:	DIN 43650 type B
Contact resistance:	≤ 5 mΩ
Cable screw connection:	Pg 9
Protection class:	IP 65 with flat gasket.



Casing/colour	LED	Wire cross section	Nominal current	Nominal voltage	Ambient temperature	No. of poles	Order code
PA6 GF/black	None	max 1.5mm²	10 A	250V AC/DC	-40°C to +100°C	2+ ground (earth position H12)	PBP.00.N000
PA12/transparent	Yellow		4 A	24V AC/DC	-20°C to +80°C		PBP.00.Y024
PA12/transparent	Yellow		4 A	115V AC	-20°C to +80°C		PBP.00.Y115
PA12/transparent	Yellow		4 A	230V AC	-20°C to +80°C		PBP.00.Y230

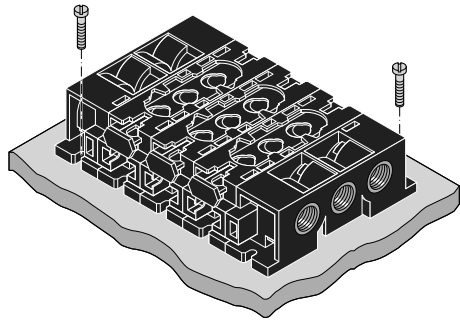
Dimensional drawings



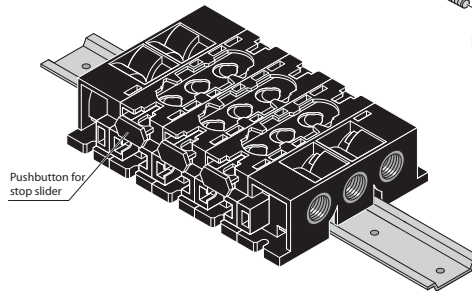
Manifolds & Subplates

Plastic Subplates

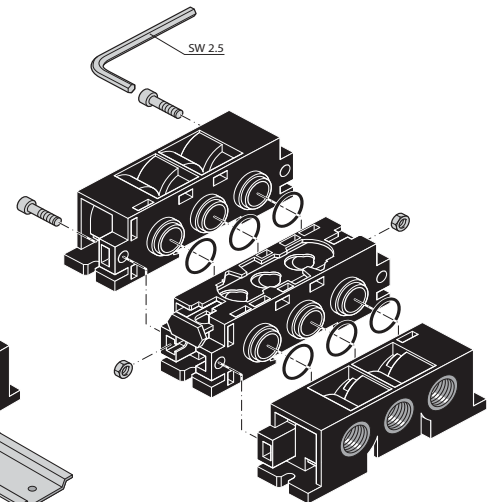
For use with 76.127/76.123 & 76.124 valves



Flat surface mounting



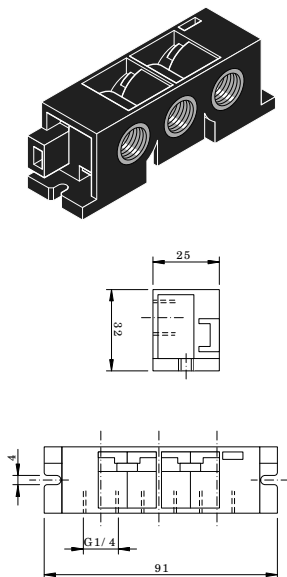
DIN rail mounting (35mm wide H type rail)



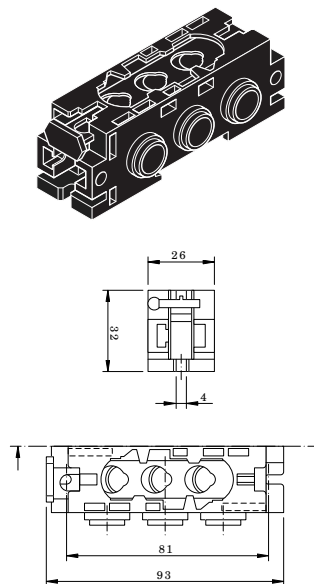
Description	Ports	Order code
Left end plate	G1/4	76.420.00.99
Right end plate, includes linking set	G1/4	76.420.00.98
Central plate for mounting valves, includes linking set	-	76.420.00.01
Intermediate blocking plate for differential pressures, includes linking set	-	76.420.00.05
Dummy Plug for unused subplates, one piece required per subplate section	-	76.420.00.06

Dimensional drawings

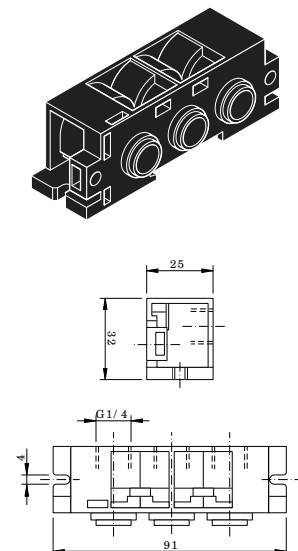
Left End Plate



Central/Blocking Plate



Right End Plate



Solenoid Operated Pneumatic Valves

5/2 & 5/3 Double Solenoid Control Valve G1/8 Ports

Technical information

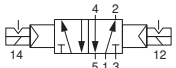
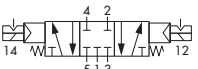
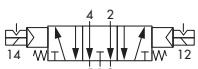
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Die cast and lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



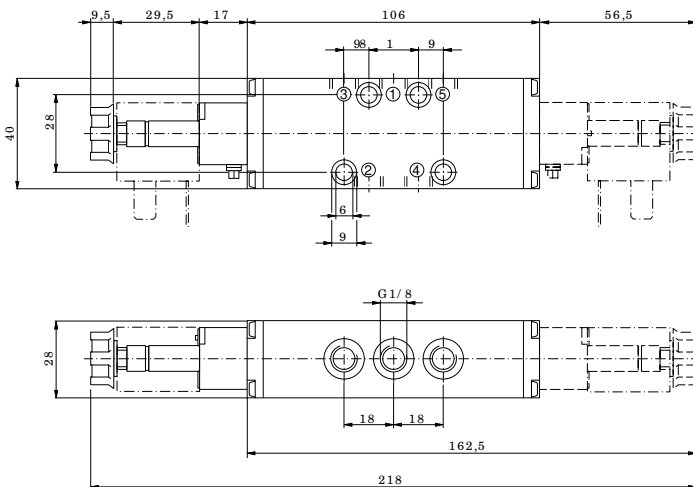
Other information



For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

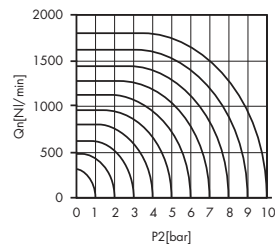
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way double solenoid	Poppet	6mm	G1/8	76.027.92.00
	5/2 way double solenoid	Spool	6mm	G1/8	76.023.92.00
	5/3 way spring return to centre all ports closed	Spool	6mm	G1/8	76.024.12.00
	5/3 way spring return to centre all ports open	Spool	6mm	G1/8	76.024.02.00

Dimensional drawings



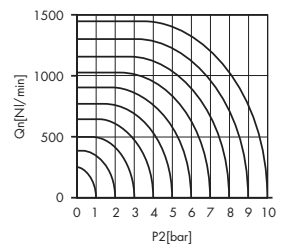
Flow rate orifice 6mm poppet type

kv=12,3 l/min



Flow rate orifice 6mm spool type

kv=9,7 l/min



Solenoid Operated Pneumatic Valves

5/2 & 5/3 Double Solenoid Control Valve G1/4 Ports

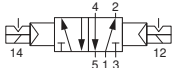
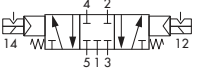
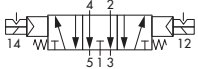
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Glass fibre reinforced PPA
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.

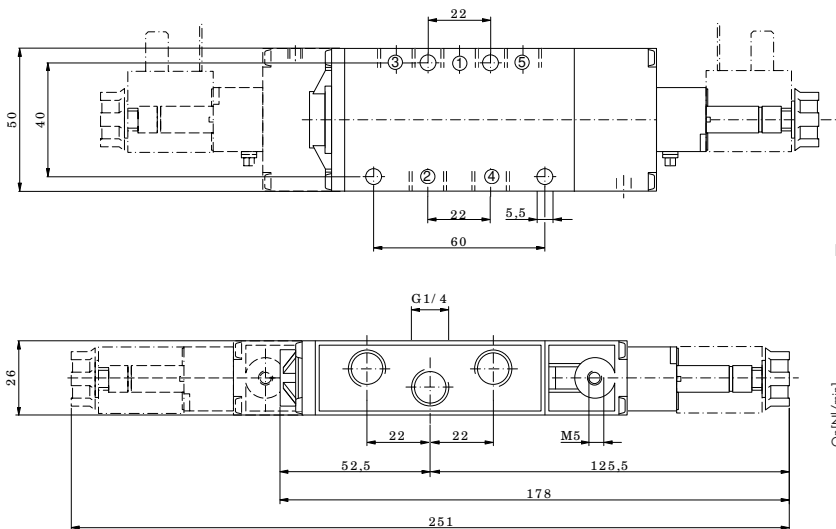


Other information

For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

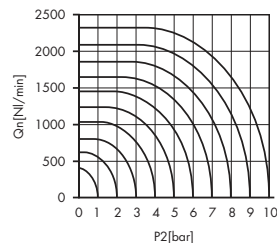
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way double solenoid	Poppet	8mm	G1/4	76.147.92.00
	5/2 way double solenoid	Spool	8mm	G1/4	76.143.92.00
	5/3 way spring return to centre all ports closed	Spool	8mm	G1/4	76.144.12.00
	5/3 way spring return to centre all ports open	Spool	8mm	G1/4	76.144.02.00

Dimensional drawings



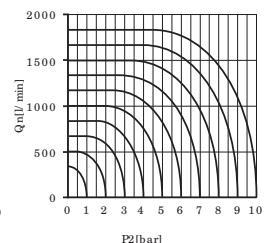
Flow rate orifice 8mm poppet type

kv=15,8 l/min



Flow rate orifice 8mm spool type

kv=12,40 l/min



Solenoid Operated Pneumatic Valves

5/2 & 5/3 Double Solenoid Control Valve G1/8 Ports

Technical information

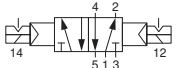
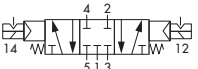
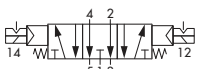
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Die cast and lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



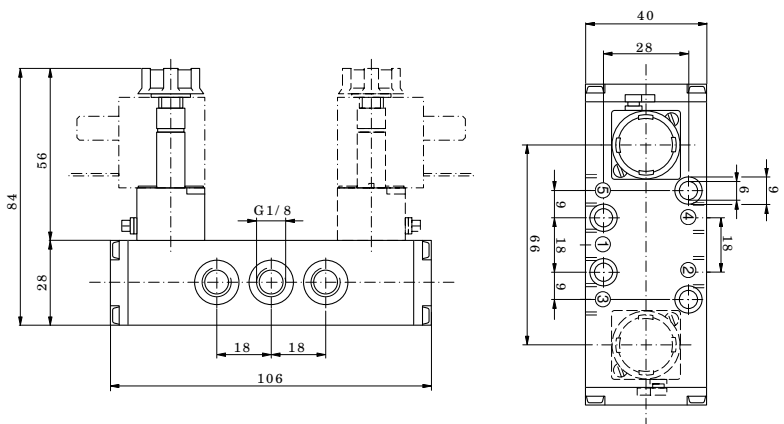
Other information



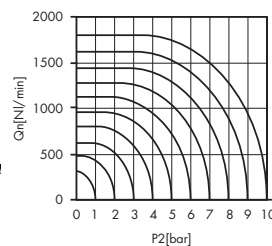
For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way double solenoid	Poppet	6mm	G1/8	76.027.95.00
	5/2 way double solenoid	Spool	6mm	G1/8	76.023.95.00
	5/3 way spring return to centre all ports closed	Spool	6mm	G1/8	76.024.15.00
	5/3 way spring return to centre all ports open	Spool	6mm	G1/8	76.024.05.00

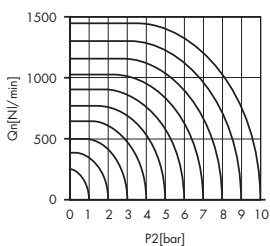
Dimensional drawings



Flow rate orifice 6mm poppet type
k_v=12,3 l/min



Flow rate orifice 6mm spool type
k_v=9,7 l/min



Solenoid Operated Pneumatic Valves

5/2 & 5/3 Way Double Solenoid Control Valve G1/4 Ports

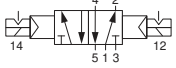
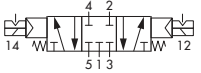
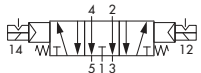
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Glass fibre reinforced PPA
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.

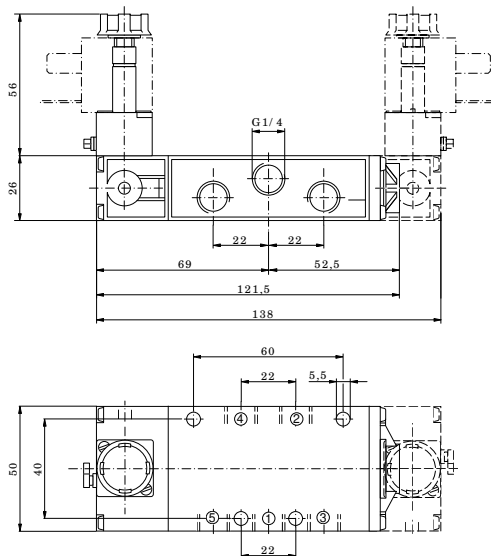
Other information

For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.



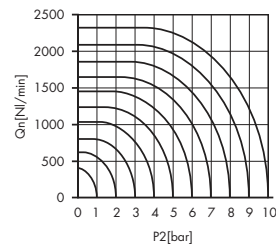
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way double solenoid	Poppet	8mm	G1/4	76.147.95.00
	5/2 way double solenoid	Spool	8mm	G1/4	76.143.95.00
	5/3 way spring return to centre all ports closed	Spool	8mm	G1/4	76.144.15.00
	5/3 way spring return to centre all ports open	Spool	8mm	G1/4	76.144.05.00

Dimensional drawings



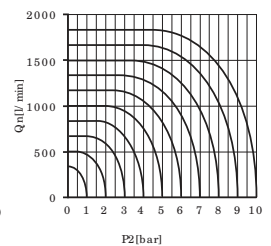
Flow rate orifice 8mm poppet type

kv=15,8 l/min



Flow rate orifice 8mm spool type

kv=12,40 l/min



Solenoid Operated Pneumatic Valves

3/2 Way Single Solenoid Control Valve G1/8 & G1/4 Ports

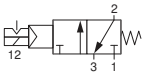
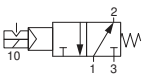
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Glass fibre reinforced PPA
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.

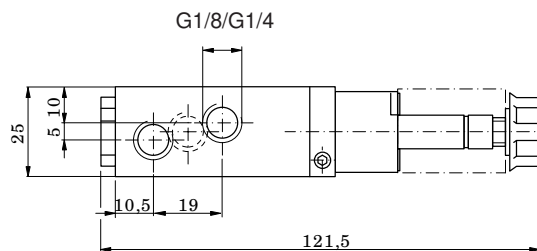
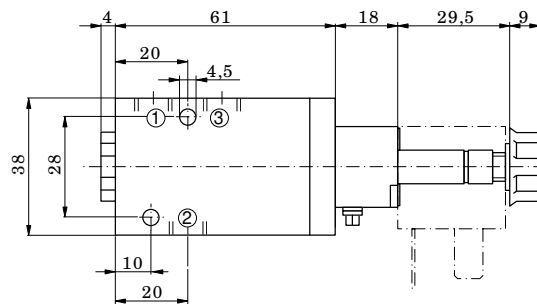
Other information

For NPT ports use prefix code "75" for example 75.XXX.XX.XX
 For vacuum please use code 76.7XX.XX.XX
 Order coils & connecting plugs separately, see data sheet M1002.



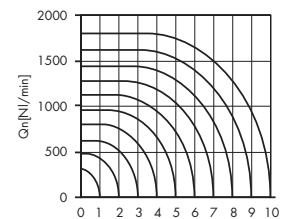
Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way normally closed spring return	Poppet	6mm	G1/8	76.126.01.00
	3/2 way normally closed spring return	Poppet	8mm	G1/4	76.146.01.00
	3/2 way normally open spring return	Poppet	6mm	G1/8	76.126.11.00
	3/2 way normally open spring return	Poppet	8mm	G1/4	76.146.11.00

Dimensional drawings



Flow rate orifice 6mm poppet type

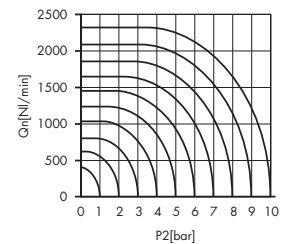
kv=12,3 l/min



P2[bar]

Flow rate orifice 8mm poppet type

kv=15,8 l/min



P2[bar]

Solenoid Operated Pneumatic Valves

3/2 Way Single Solenoid Control Valve G1/2 Ports

Technical information

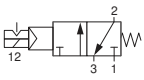
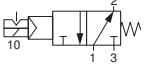
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



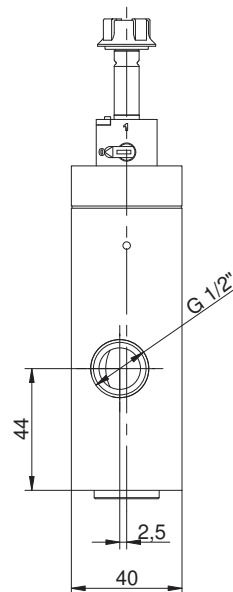
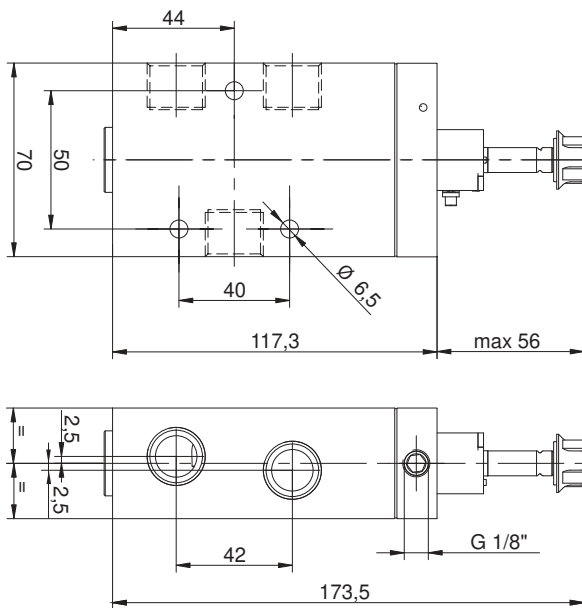
Other information



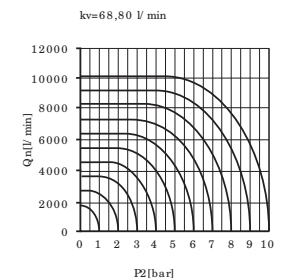
For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
For vacuum please use code 76.2XX.XX.XX **this version only.
Order coils & connecting plugs separately, see data sheet M1002.

Symbol	Description	Type	Orifice	Ports	Order code
	3/2 way normally closed spring return**	Poppet	15mm	G1/2	76.066.01.00
	3/2 way normally open spring return	Poppet	15mm	G1/2	76.066.11.00

Dimensional drawings



Flow rate orifice 15mm poppet type



Solenoid Operated Pneumatic Valves

5/2 Way Single Solenoid Control Valve G1/8 Ports

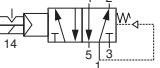
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Plastic material (IXEF)
Seals:	NBR
Lubricant:	Not required.
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.

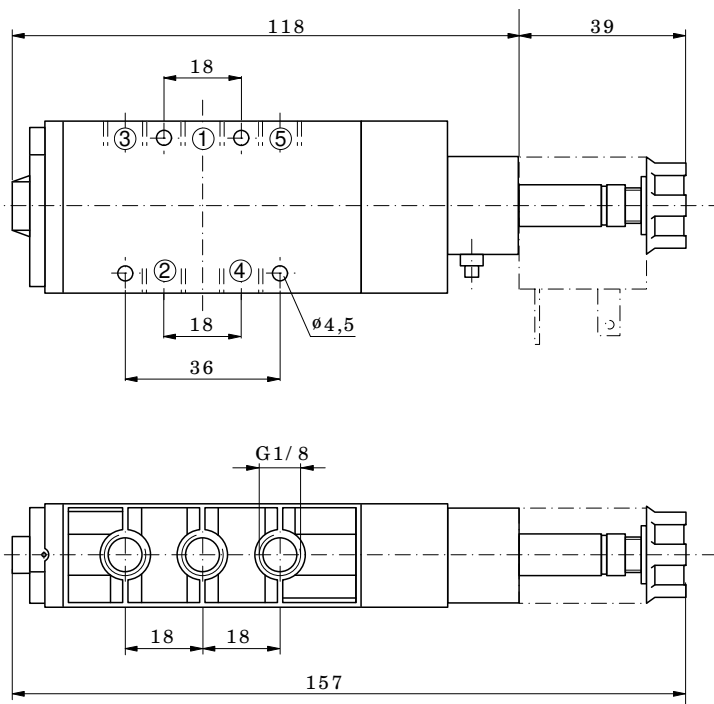


Other information

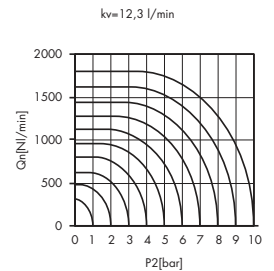
Subplates are available for this product, see data sheet M1001.
Order coils & connecting plugs separately, see data sheet M1002.

Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	6mm	G1/8	76.127.91.00
	5/2 way spring return	Spool	6mm	G1/8	76.123.91.00

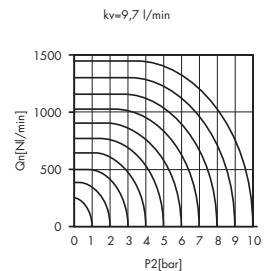
Dimensional drawings



Flow rate orifice 6mm poppet type



Flow rate orifice 6mm spool type



Solenoid Operated Pneumatic Valves

5/2 Way Single Solenoid Control Valve G1/8 Ports

Technical information

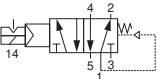
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Die cast and lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



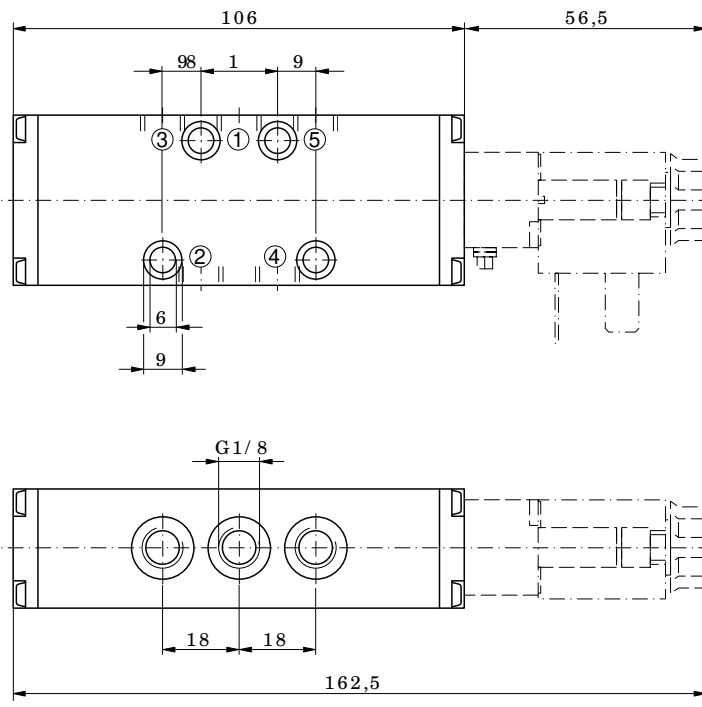
Other information



For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
 For NPT ports use prefix code "75" for example 75.XXX.XX.XX
 Order coils & connecting plugs separately, see data sheet M1002.

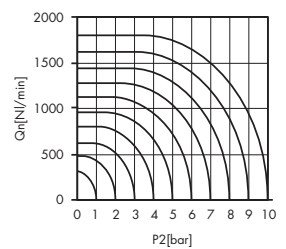
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	6mm	G1/8	76.027.91.00
	5/2 way spring return	Spool	6mm	G1/8	76.023.91.00

Dimensional drawings



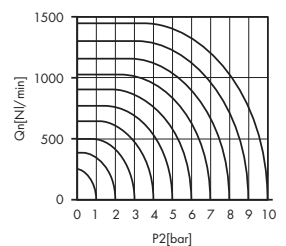
Flow rate orifice 6mm poppet type

$k_v=12,3 \text{ l/min}$



Flow rate orifice 6mm spool type

$k_v=9,7 \text{ l/min}$



Solenoid Operated Pneumatic Valves

5/2 Way Single Solenoid Control Valve G1/4 Ports

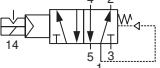
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Glass fibre reinforced PPA
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.

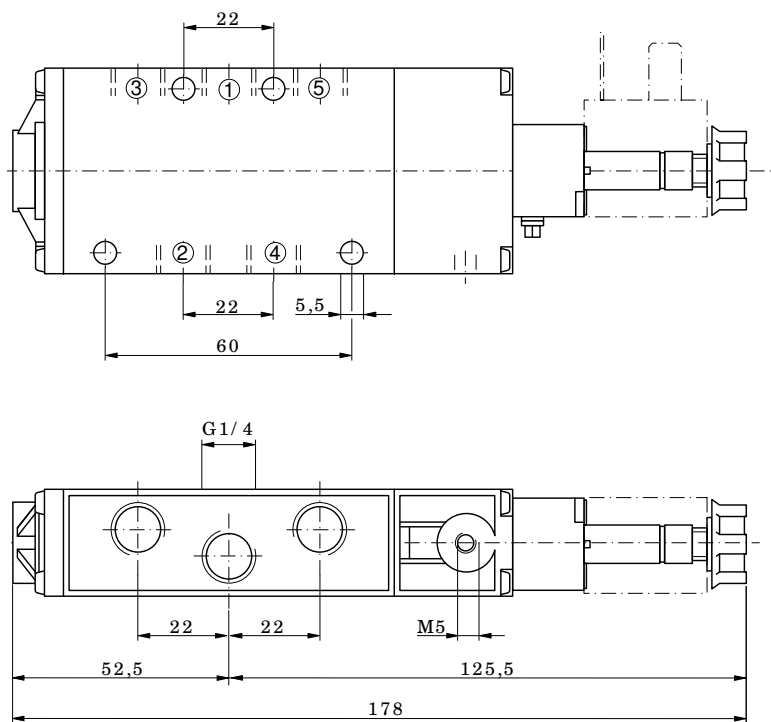


Other information

For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

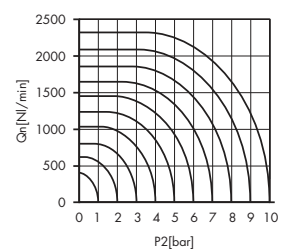
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	8mm	G1/4	76.147.91.00
	5/2 way spring return	Spool	8mm	G1/4	76.143.91.00

Dimensional drawings



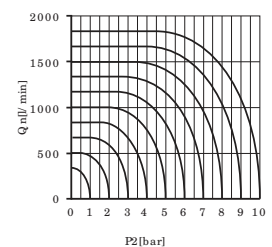
Flow rate orifice 8mm poppet type

kv=15,8 l/min



Flow rate orifice 8mm spool type

kv=12,40 l/min



Solenoid Operated Pneumatic Valves

5/2 Way Single & Double Solenoid Control Valve G1/2 Ports

Technical information

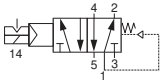
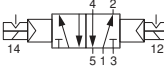
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



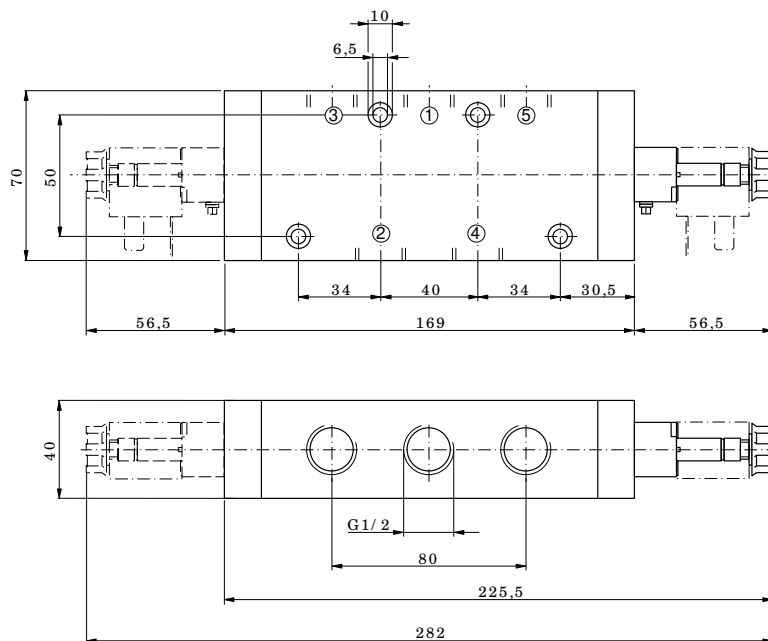
Other information



For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

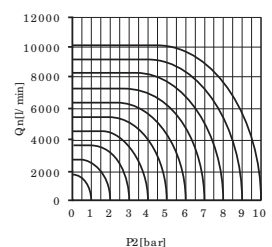
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	15mm	G1/2	76.067.91.00
	5/2 way double solenoid	Poppet	15mm	G1/2	76.067.92.00

Dimensional drawings



Flow rate orifice 15mm poppet type

kv=68,80 l/min



Solenoid Operated Pneumatic Valves

5/2 Way Single & Double Solenoid Control Valve G1/2 Ports

Technical information

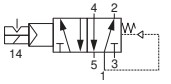
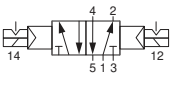
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



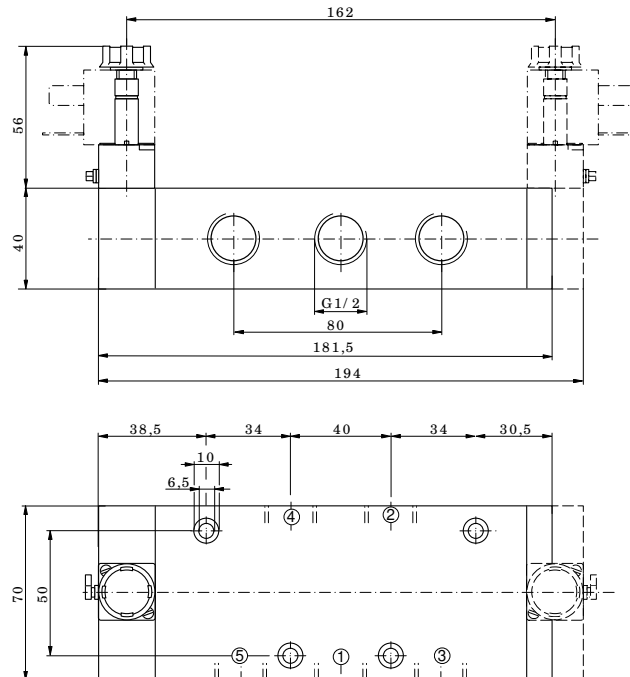
Other information



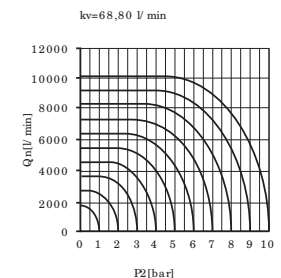
For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	15mm	G1/2	76.067.94.00
	5/2 way double solenoid	Poppet	15mm	G1/2	76.067.95.00

Dimensional drawings



Flow rate orifice 15mm poppet type



Solenoid Operated Pneumatic Valves

5/2 Way Single Solenoid Control Valve G1/8 Ports

Technical information

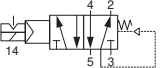
Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Die cast and lacquered aluminium alloy
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



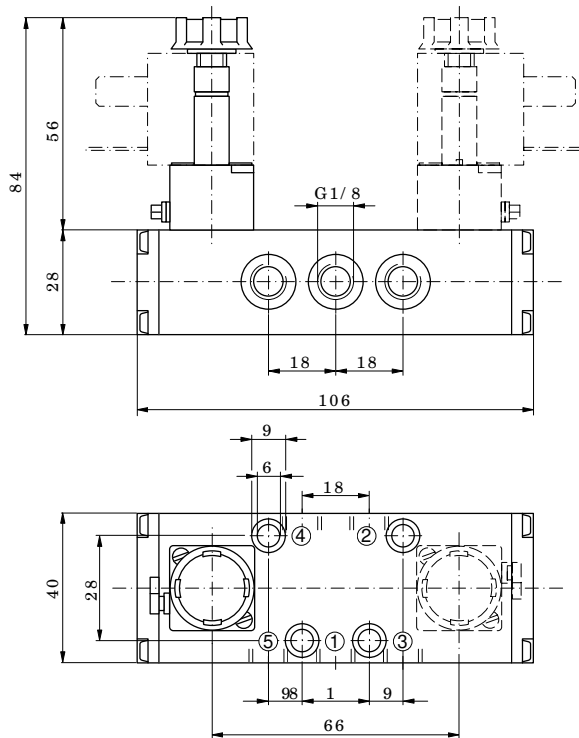
Other information



For ATEX certification use suffix code "EX" for example 76.XXX.XX.XX.EX
For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

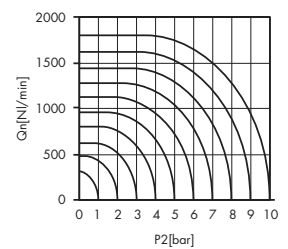
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	6mm	G1/8	76.027.94.00
	5/2 way spring return	Spool	6mm	G1/8	76.023.94.00

Dimensional drawings



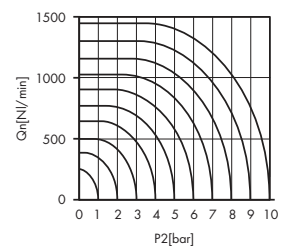
Flow rate orifice 6mm poppet type

$k_v = 12,3 \text{ l/min}$



Flow rate orifice 6mm spool type

$k_v = 9,7 \text{ l/min}$



Solenoid Operated Pneumatic Valves

5/2 Way Single Solenoid Control Valve G1/4 Ports

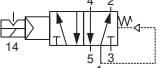
Technical information

Pressure range:	2.5-10 bar
Temperature range:	-15°C...+50°C
Housing:	Glass fibre reinforced PPA
Seals:	NBR
Lubricant:	Not required
Earthing contact:	Part of the standard device.
Operating medium:	5 micron filtered , lubricated or non-lubricated compressed air.

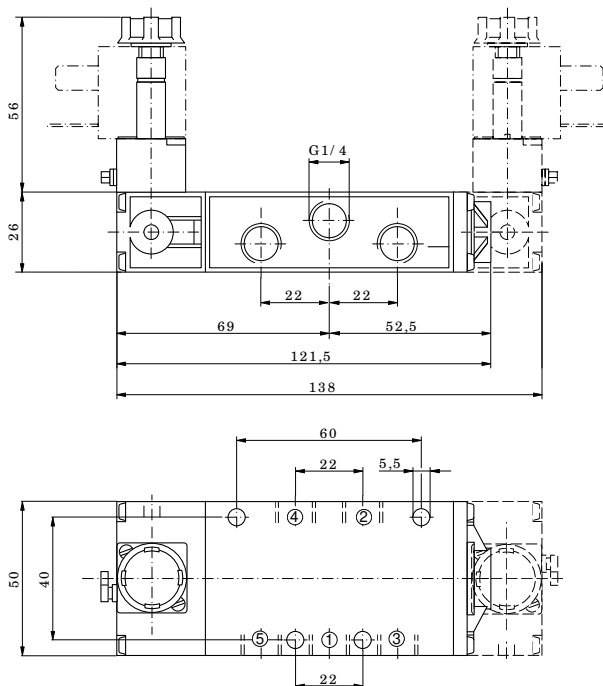


Other information

For NPT ports use prefix code "75" for example 75.XXX.XX.XX
Order coils & connecting plugs separately, see data sheet M1002.

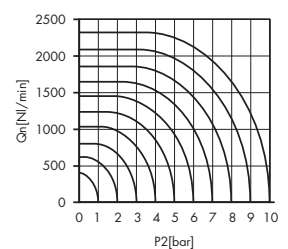
Symbol	Description	Type	Orifice	Ports	Order code
	5/2 way spring return	Poppet	8mm	G1/4	76.147.94.00
	5/2 way spring return	Spool	8mm	G1/4	76.143.94.00

Dimensional drawings



Flow rate orifice 8mm poppet type

kv=15,8 l/min



Flow rate orifice 8mm spool type

kv=12,40 l/min

