

Directional valves → Supplementary products

5/2-way valve, Series 740 CP

► Qn = 950 l/min ► pipe connection ► compressed air connection output: Ø 10x1 ► Electr. connection: Plug, EN 175301-803, form A ► with throttle ► corrosion-protected ► Can be assembled into blocks ► Manual override: with detent, without detent



Version	Diaphragm poppet valve
Pilot	internal
Sealing principle	soft sealing
Blocking principle	Plate principle, Single base plate principle
Mounting on manifold strip	PRS strip
Working pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Connector standard	EN 175301-803:2006
Degree of protection with electrical connector/plug	IP 65
Compatibility index	See table below
Duty cycle	100 %
Switch-on time	16 ms
Switch-off time	36 ms
Materials:	
Housing	Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber
Front plate	Polyarylamide

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Operating voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	2.1	6.6	5.5	4.18	3.3
-	-	-	-	-	-	2.1	-	-	-	-

	MO	Compressed air connection			Operating voltage			Holding power	Holding power	Switch-on power		Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
		Ø 10x1	Ø 10x1	M14x1	24 V	-	-	-	-	-	-	5727940220
					-	230 V	230 V	4.18	3.3	6.6	5.5	5727945280



Supplementary products

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information
Pneumatics catalog, online PDF, as of 2012-11-16, © Bosch Rexroth AG, subject to change

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	MO	Compressed air connection			Operating voltage			Holding power	Holding power	Switch-on power		Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
		Ø 10x1	Ø 10x1	M14x1	-	-	-	-	-	-	-	5727945302

Part No.	Flow rate value	Compatibility index	Weight	Note
	Qn			
	[l/min]		[kg]	
5727940220		13, 14	0.326	
5727945280	950	14	0.328	1); 3)
5727945302	950	14	0.228	2); 4)

MO = Manual override

1) without electrical connector

2) Basic valve without coil

3) Protected against polarity reversal

4) ATEX optional

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

Dimensions

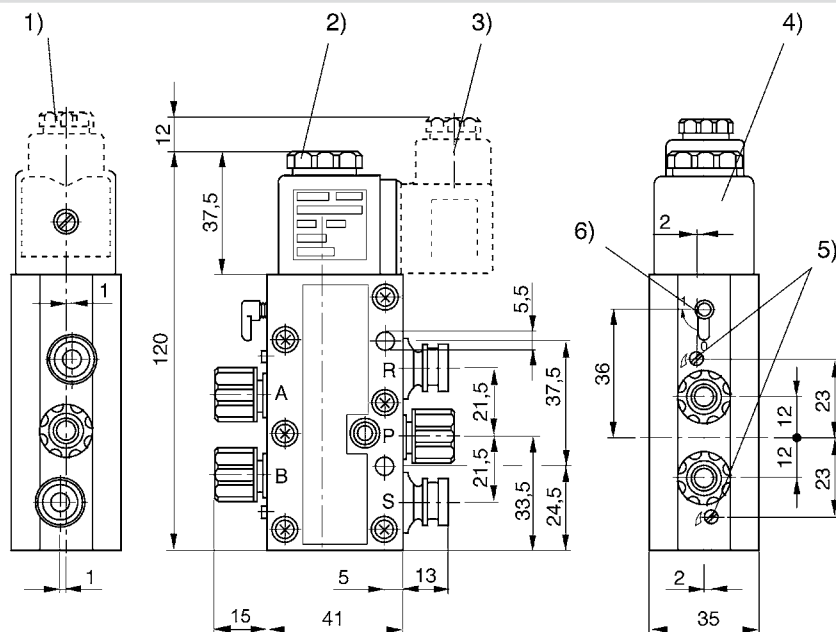
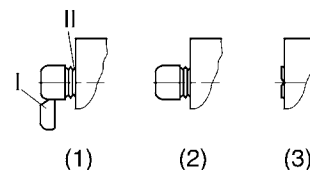


Fig. 1



- 1) gland fitting M16x1,5
- 2) M5 internal thread accessible under cap
- 3) el. connector can be rotated at 90° intervals
- 4) coil can be plugged at 45° intervals
- 5) throttle screw for exhausts 5 (R) and 3 (S) (S)
- 6) manual override and position indicator

Fig. 1: manual override:

manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment 1 - push only

actuation by tool: (3) with detent - remove segments up to II - push with tool and turn into position 1

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