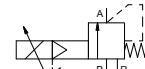


3/2 way pressure control valve

type SPP-1 15 DR SPP-2 15 DR



control valve proportional externally controlled
pressure range PN 0-100 bar
orifice DN 15 mm
connection thread
function stepless
 pressure regulation
 bypass version



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

design externally controlled with spring return
body materials ④ aluminium
 ⑤
 ⑥
valve seat synthetic resin on metal
seal materials EPDM, PU, HNBR FPM

details needed for main valve
 ■ orifice
 ■ port
 ■ pressure regulating range
 ■ flow rate
 ■ media
 ■ media temperature
 ■ ambient temperature

details needed for proportional valve
 ■ nominal voltage
 ■ actuation pressure range min/max

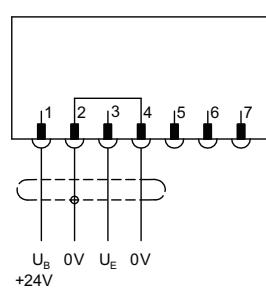
general specifications		options	
ports	SPP	threads G 3/4	
function	stepless regulation		
pressure regulation range	bar 5-40	SPP-2 5-100	
flow rate	m³/h max. 6,0		
media	gaseous - liquid		
abrasive media			
flow direction	P: supply pressure	A: control pressure	R: venting
settling time	ms < 200		
media temperature	°C 0 to +60		
ambient temperature	°C 0 to +50		
approvals		WAZ	
mounting		mounting bracket	
weight	kg 7,5	7,9	
additional equipment			

electrical specifications		options	
nominal voltage	U _B DC 24 V (max. residual ripple 10 %)		
current consumption	DC < 0,7 A		
control signals	U _E 0-10 V (R _E 10 kΩ)		
protection	IP65 (P54) acc. DIN 40050		
energized duty rating	ED 100 % (observe the connection conditions accordingly)		
connection	plug with 7 contacts / wire diameter 6-8 mm		

pneumatic specifications		options	
actuation pressure range	bar see actuation pressure-diagram		
compressed air	DIN ISO 8573-1 grade of compressed air quality 5/4/3		
control	by 3/2 way proportional valve		
actuator ports	1 G 1/8		

⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.



connection conditions

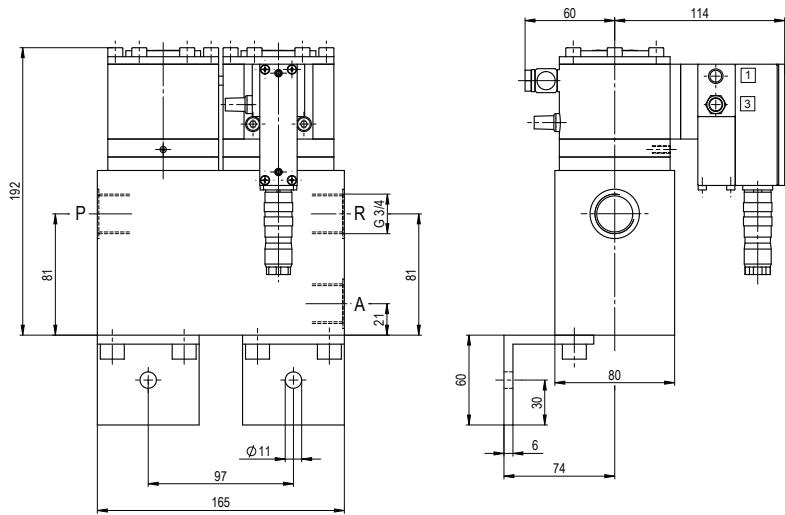
When supplying the electrical set point signal to the proportional valve, the actuating air must already be present. (see actuation pressure-diagram).

position of installation

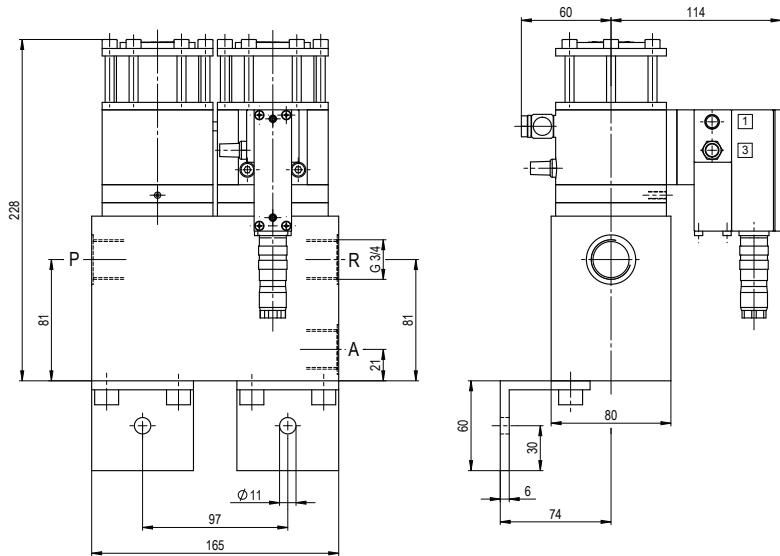
arbitrarily, but regulator not downwards.

■ specifications not highlighted are standard
 ■ specifications highlighted in grey are optional

type SPP-1 15 DR



type SPP-2 15 DR



actuation pressure-diagram

