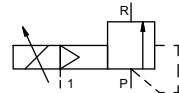


pressure limitation valve

type SPB 08



control valve proportional externally controlled
pressure range PN 0-200 bar
orifice DN 8 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 without spring return
body materials ② steel, galvanized ④
 ① brass ⑤
 ③ ⑥
valve seat metal on metal
seal materials NBR synthetic resin on metal
 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

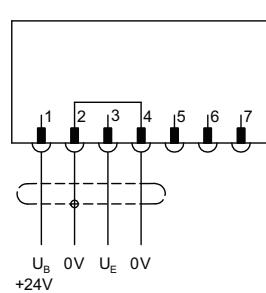
	general specifications		options
ports	SPB	threads G 3/8	
function	stepless regulation		
pressure regulation range	bar 10-200	10-160	
flow rate	m³/h max. 1,1		
media	gaseous - liquid		
abrasive media			
flow direction	P \Rightarrow R as marked		
settling time	ms < 200		
media temperature	°C 0 to +60		
ambient temperature	°C 0 to +50		
approvals			
mounting			
weight	kg 3,7		
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.



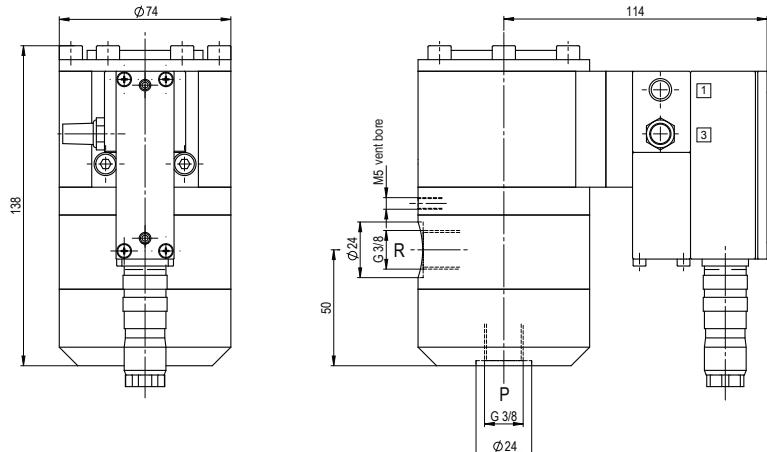
connection conditions

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

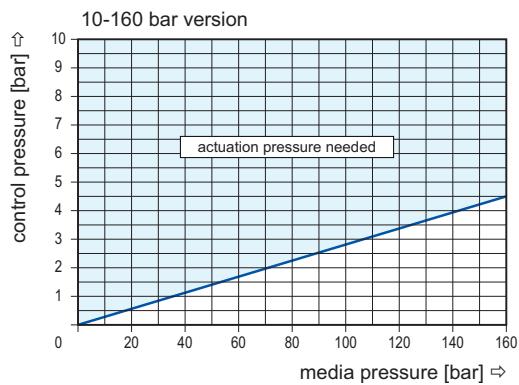
position of installation

arbitrarily, but regulator not downwards.

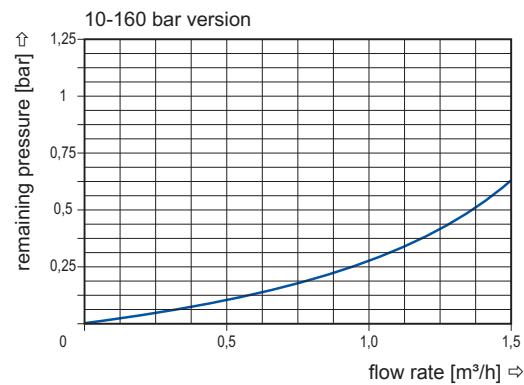
type SPB 08



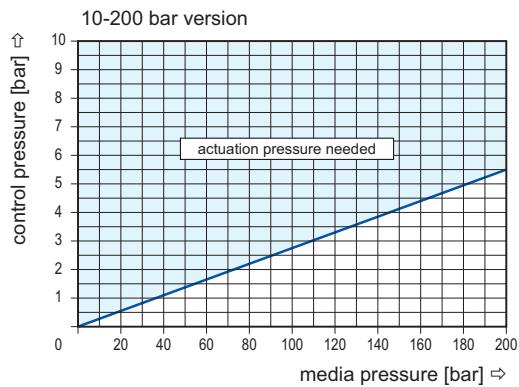
actuation pressure-diagram



pressureless circulation mode



actuation pressure-diagram



pressureless circulation mode

