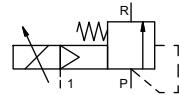


pressure limitation valve

type SPB 65



control valve proportional	externally controlled
pressure range	PN 0-64 bar
orifice	DN 65 mm
connection	flange
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	① ② steel, galvanized ③
	④ ⑤ ⑥
valve seat	metal on metal
seal materials	NBR
	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

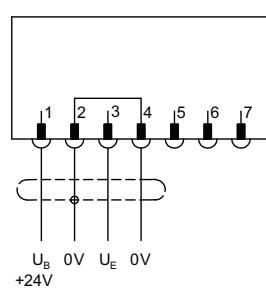
	general specifications		options
ports	SPB	flanges PN 64	
function		stepless regulation	
pressure regulation range	bar	5-64	
flow rate	m³/h	max. 60	
media		liquid - highly viscous - contaminated	
abrasive media			
flow direction	P \Rightarrow R	as marked	
settling time	ms	< 400	
media temperature	°C	0 to +60	
ambient temperature	°C	0 to +50	
approvals			
mounting			
weight	kg	42,6	
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.



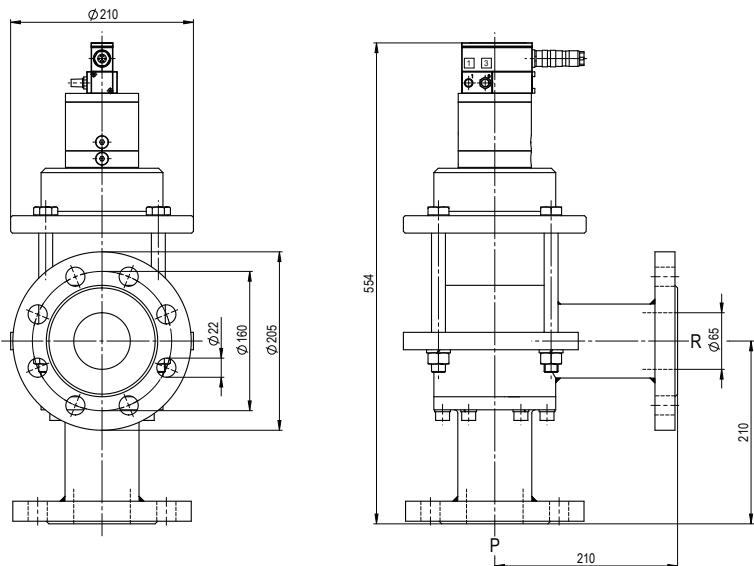
connection conditions

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

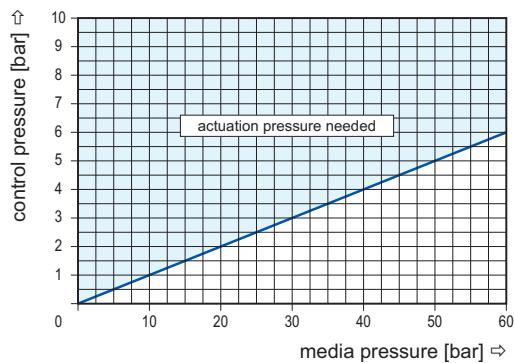
arbitrarily, but regulator not downwards.

type SPB 65



position of installation: as shown

actuation pressure-diagram



pressureless circulation mode

