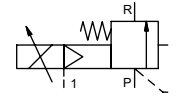


pressure limitation valve

type **SPB 65**



control valve proportional
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 ④
 ② steel, galvanized ⑤
 ③ 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

ports SPB flanges PN 64
function stepless regulation
pressure regulation range bar 5-64
Kv value m³/h max. 60
media liquid - highly viscous - contaminated
abrasive media
flow direction P ⇌ R as marked
operating time ms < 400
media temperature °C 0 to +60
ambient temperature °C 0 to +50
approvals
mounting
weight kg 42,6
additional equipment

general specifications

options

electrical specifications

options

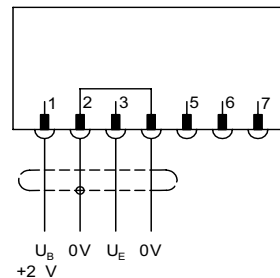
nominal voltage U_B DC 24 V (max. residual ripple 10%)
power consumption DC < 0,7 A
control signals U_E 0-10 V (R_E 10KΩ)
protection IP65 acc. DIN 40 050
energized duty rating ED 100% (observe the connection conditions accordingly)
connection plug with 7 contacts / wire diameter 6-8 mm

pneumatic specifications

options

actuation pressure range bar see actuation pressure-diagram
air consumption 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

connection plan



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

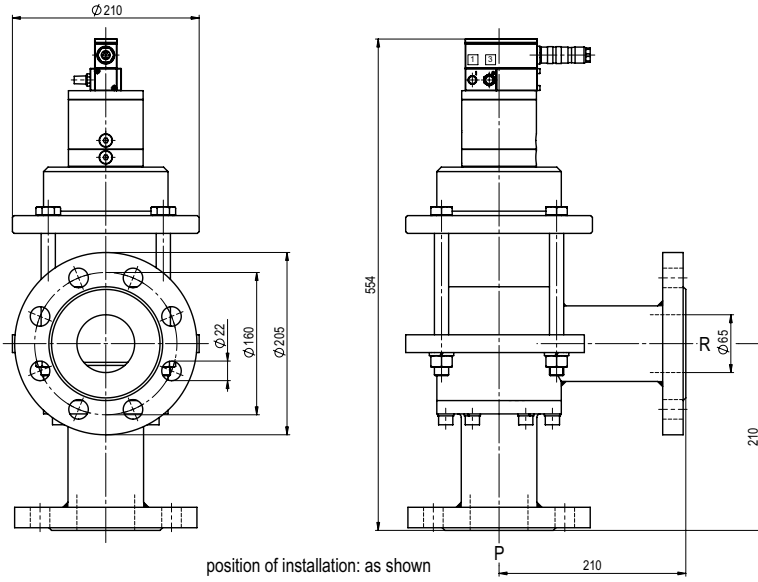
arbitrarily, but regulator not downwards

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.

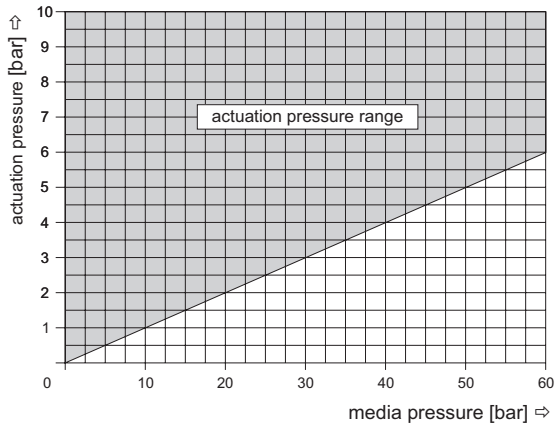
If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

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

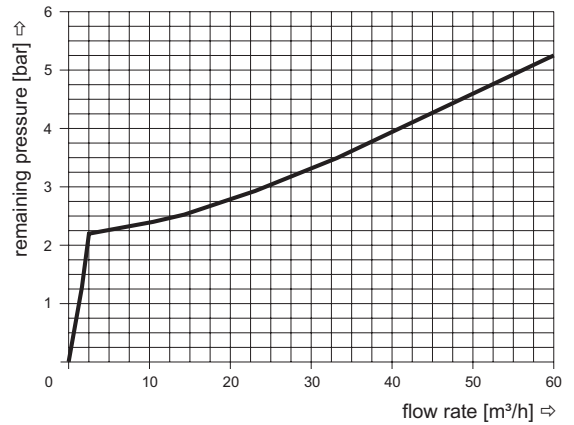
type SPB 65



actuation pressure-diagram



pressureless circulation mode



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

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