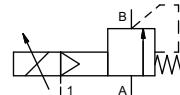


pressure reduction valve

type **SPP-1 15 PC**
SPP-2 15 PC

control valve proportional externally controlled
pressure range PN 0-80 bar
orifice DN 15 mm
connection thread/cartridge
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 brass
- ⑥ stainless steel

valve seat synthetic resin on metal / metal 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

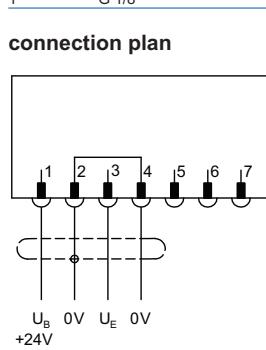
general specifications		options
ports	SPP-1 with valve body thread G 1/2 - G 3/4	without valve body
function	SPP-2 with valve body thread G 1/2 - G 3/4	without valve body
pressure regulation range	stepless regulation	
bar	SPP-1 5-40	SPP-2 5-80
flow rate	max. 6,0	
media	gaseous - liquid - highly viscous - contaminated	
abrasive media		version available
flow direction	A ⇄ B as marked	
settling time	ms < 200	
media temperature	°C 0 to +60	
ambient temperature	°C 0 to +50	
approvals		WAZ
mounting		mounting holes
weight	kg SPP-1 4,2 SPP-2 4,5	SPP-1 3,1 SPP-2 3,4
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).

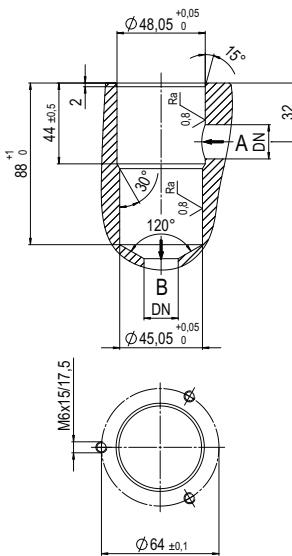
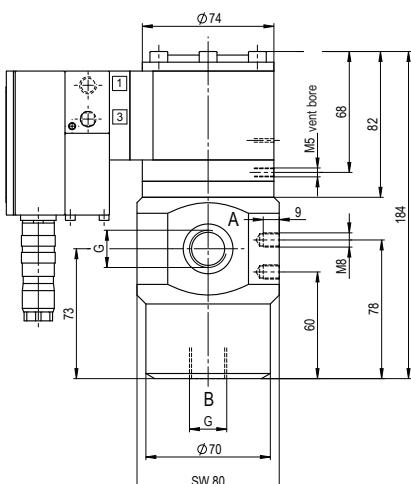
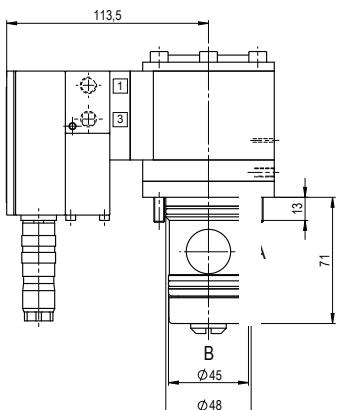
position of installation

arbitrarily, but regulator not downwards.

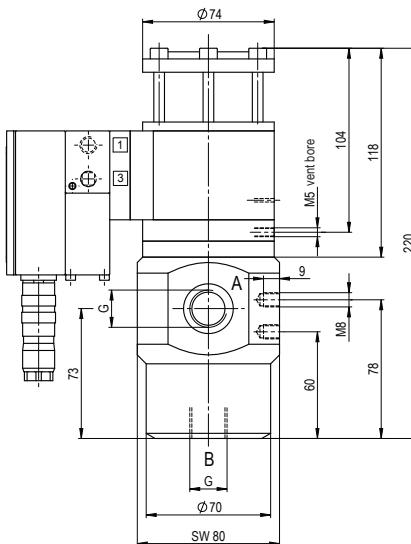
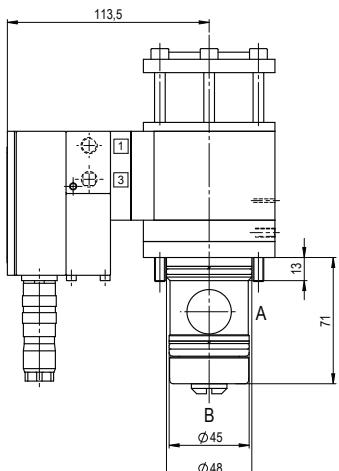
■ specifications not highlighted are standard
 specifications highlighted in grey are optional

type **SPP-1 15 PC**

drilling design for cartridge



type **SPP-2 15 PC**



actuation pressure-diagram

