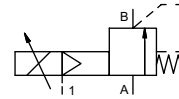


pressure reduction valve

type **SPI-1 32**
SPI-2 32



control valve proportional
pressure range PN 0-100 bar
orifice DN 32 mm
connection thread
function stepless
pressure regulation
inline-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 brass ④
② ⑤
③ ⑥
valve seat metal on metal
seal materials 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	SPI-1	G 1 1/2	
	SPI-2	G 1 1/2	
function		stepless regulation	
pressure regulation range	bar	SPI-1 5-40	SPI-2 5-100
	m ³ /h	max. 24,3	
Kv value			
media		gaseous - liquid - highly viscous - contaminated	
abrasive media			
flow direction	A ⇌ B	as marked	
operating time	ms	SPI-1 < 200	SPI-2 < 400
media temperature	°C	0 to +60	
ambient temperature	°C	0 to +50	
approvals			
mounting		mounting bracket	
weight	kg	SPI-1 15,2	SPI-2 16,3
additional equipment			

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

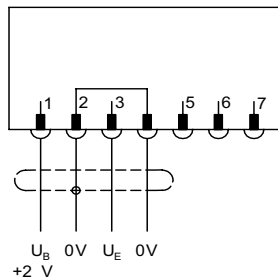
pneumatic specifications

		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

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 plan



connection conditions

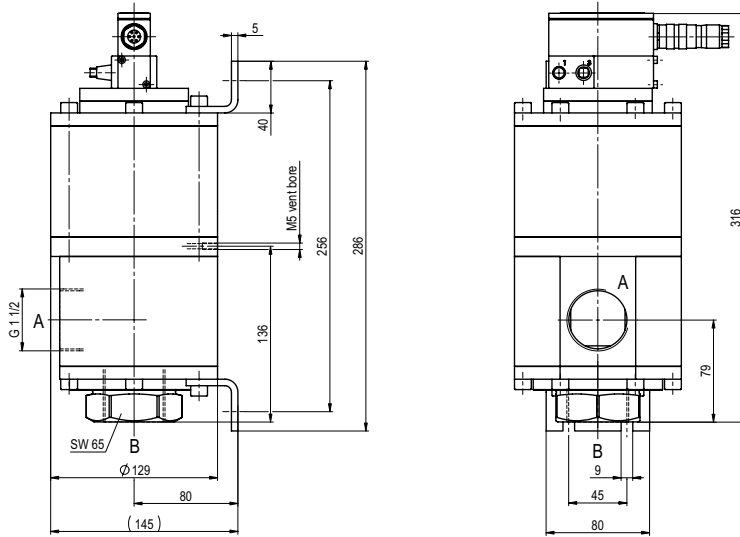
When supplying the electrical set point signal to the proportional valve, the actuating air must already be present. (see actuation pressure-diagram)

position of installation

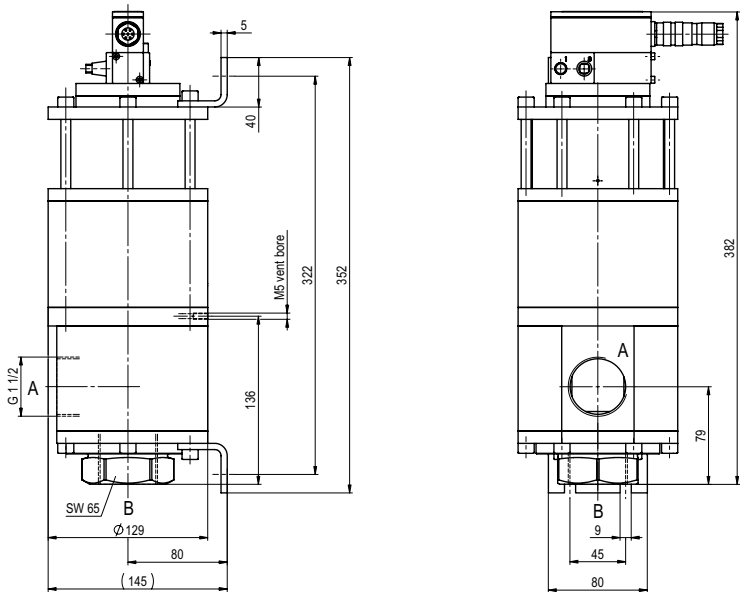
arbitrarily, but regulator not downwards

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

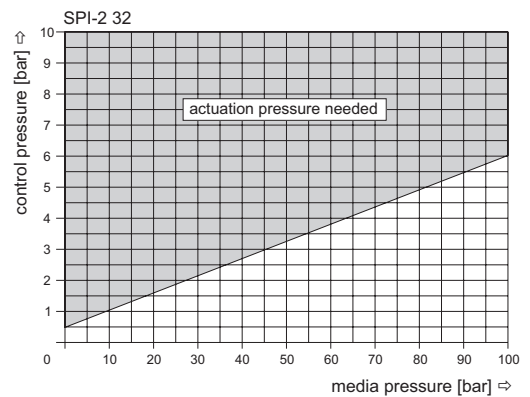
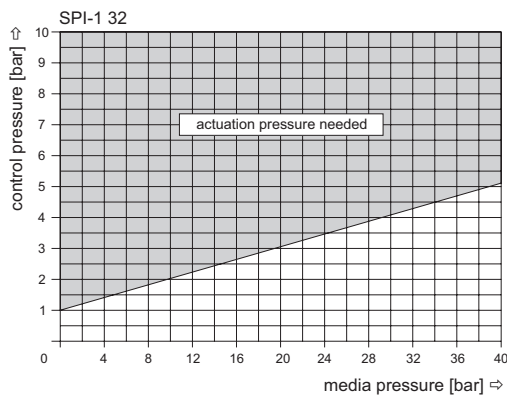
type SPI-1 32



type SPI-2 32



actuation pressure-diagram



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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