

pressure reduction valve

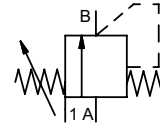
type HPI 08


3-HPI 08

valve type with pilot valve



control valve manual externally controlled
pressure range PN 0-200 bar
orifice DN 8 mm
connection thread
function manual stepless pressure regulation



 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 ②
 ② ⑤
 ③ ⑥

valve seat synthetic resin 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 pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max

general specifications

ports	HPI	threads G 3/8
function		stepless regulation
pressure regulation range	bar	10-200
Kv value	m ³ /h	max. 1,3
media		gaseous - liquid
abrasive media		
flow direction	A ⇌ B	as marked
operating time	ms	< 100
media temperature	°C	0 to +60
ambient temperature	°C	0 to +50
approvals		
mounting		
weight	kg	3,6
additional equipment		

options

electrical specifications


nominal voltage	U _n	24 V DC	special voltage upon request
	U _n	230 V 50 Hz AC	special voltage upon request
power consumption	DC	4,8 W	2,5 W
	AC	pick up 11,0 VA holding 8,5 VA	
protection	IP 65 (P54)	acc. DIN 40 050	
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form B	
additional equipment		illuminated plug with varistor	
optional	M12x1	connector acc. DESINA	connector acc. VDMA
coil		3 positions x 90° / wire diameter 6-8 mm	
max. temperature	media	60°C	
	ambient	50°C	
explosion proof	EEx m II T5	nominal voltage U _n	direct current 24 V 3,25 W
		power consumption	alternating current 230 V 50 Hz 2,90 W


options

pneumatic specifications

actuation pressure range	bar	see actuation pressure-diagram
air consumption		DIN ISO 8573-1 grade of compressed air quality 5/4/3
control		preferably 3/2-way pilot valve during low pressure circulation mode
actuator ports	1	G 1/8

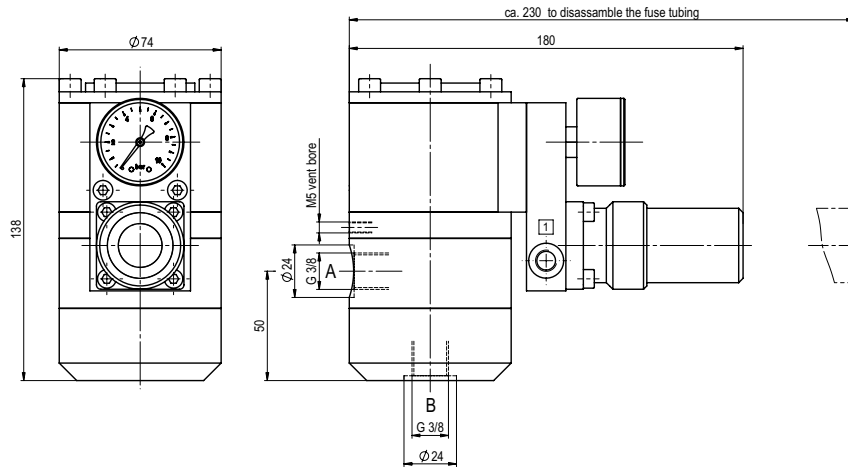
options

 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.

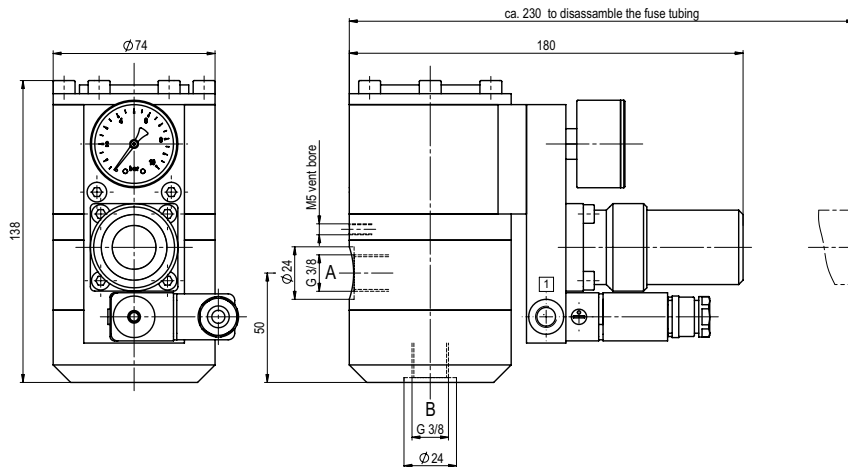
 If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

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

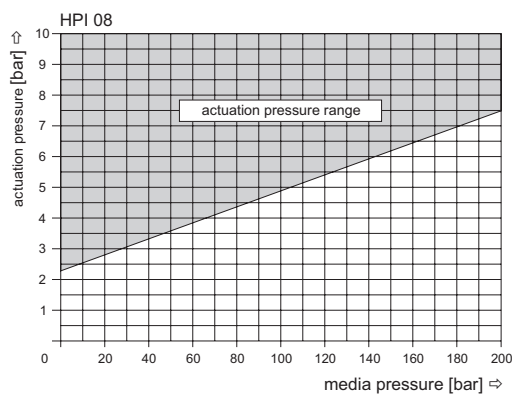
type HPI 08



type 3-HPI 08



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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