

08/2021



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

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

⚠ 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.

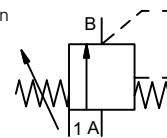
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

control valve manual

pressure range
orifice
connection
function

externally controlled

PN 0-200 bar
 DN 8 mm
 thread
 stepless pressure regulation



design

body materials

externally controlled with spring return

- | | |
|---------|---|
| ① brass | ④ |
| ② | ⑤ |
| ③ | ⑥ |

valve seat

synthetic resin on metal

seal materials

NBR FPM

ports

HPI threads G 3/8

function

stepless pressure regulation

pressure regulation range

bar 10-200

flow rate

m³/h max. 1,3

media

gaseous - liquid

abrasive media

A ⇌ B as marked

flow direction

ms < 100

settling time

°C 0 to +60

media temperature

°C 0 to +50

ambient temperature

approvals

mounting

kg 3,6

weight

additional equipment

electrical specifications

options

U _n	DC 24 V	special voltage upon request
U _n	AC 230 V 50 Hz	special voltage upon request
DC	4,8 W	2,5 W
AC	pick up 11,0 VA holding 8,5 VA	
IP65 (P54)	acc. DIN 40050	
ED	100%	
connection	plug acc. DIN EN 175301-803 form B, 3 positions x90° / wire diameter 6-8 mm	
M12x1	connector acc. DESINA	connector acc. VDMA
additional equipment	illuminated plug with varistor	
media	60°C	
ambient	50°C	
E Ex e II T5	nominal voltage U _n	DC 24 V 3,25 W
	power consumption	AC 230 V 50 Hz 2,90 W

pneumatic specifications

options

bar see actuation pressure-diagram
 DIN ISO 8573-1 grade of compressed air quality 5/4/3
 via 3/2 way pilot valve for shutt-off
 1 G 1/8

actuation pressure range

compressed air

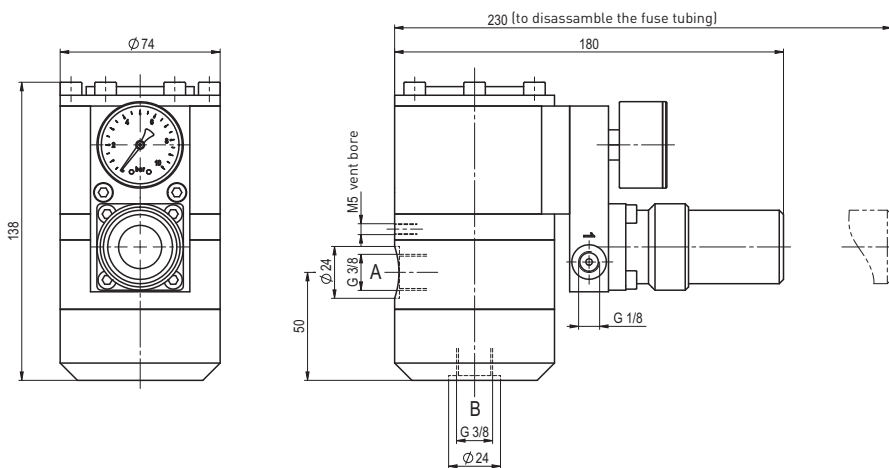
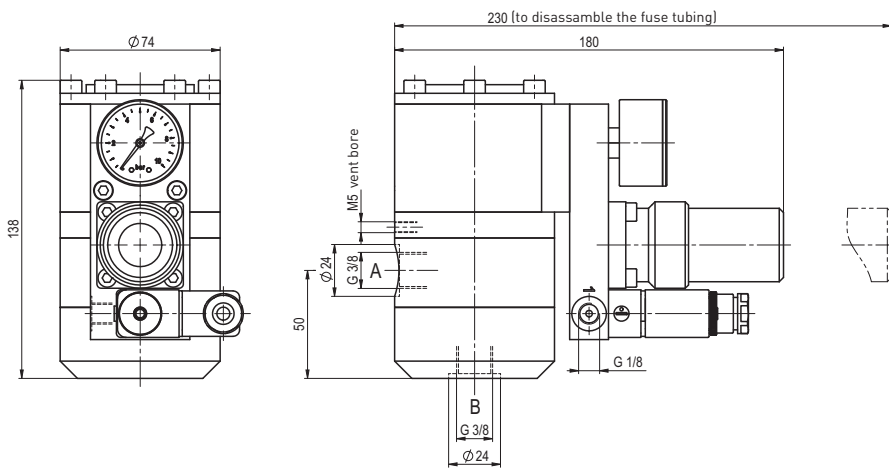
control

actuator ports

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

coax® data sheet - pressure reduction valve

type HPI 08



actuation pressure-diagram

