# coax® data sheet - pressure limitation valve

# type HPB-H 15



03/2022



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

#### details needed for main valve

orific

- 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

control valve manual pressure range

orifice

connection

function

externally controlled

PN 5-120 bar

DN 15 mm

thread

stepless pressure regulation



operating principle

body material

valve seat

seal materials

externally controlled with spring return

metal on metal

FPM, PTFE

ports

function

pressure regulation range flow rate

abrasive media flow direction

settling time media temperature

ambient temperature approvals

mounting

weight

additional equipment

nominal voltage

power consumption

protection energized duty rating

connection optional

additional equipment max. temperature

explosion proof

actuation pressure range compressed air control actuator ports

4 ② steel galvanized (5) (6)

options

options

general specifications SAE connections DIN ISO 6162 threads G 1

stepless pressure regulation

bar

m³/h liquid - highly viscous - contaminated

P⇒T as marked

< 900 0 to +60

0 to +50

mounting holes

2,6

security valve

electrical specifications

special voltage upon request special voltage upon request 2,5 W DC 24 V

AC 230 V 50 Hz

DC 4,8 W

AC pick up 11,0 VA holding 8,5 VA

IP65 (P54) acc. DIN 40050

plug acc. DIN EN 175301-803 form B, 3 positions x90° / wire diameter 6-8 mm

M12x1 connector acc. DESINA connector acc. VDMA

illuminated plug with varistor media

ambient E Ex e II T5 50°C nominal voltage Un

power consumption

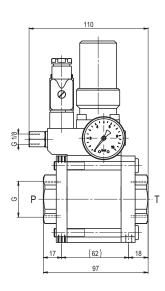
pneumatic specifications

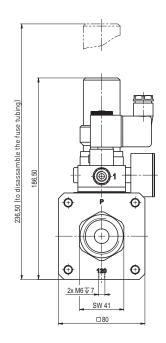
see actuation pressure-diagram
DIN ISO 8573-1 grade of compressed air quality 5/4/3
preferably 3/2 way pilot valve during low pressure circulation mode

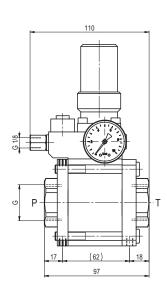
specifications not highlighted are standard specifications highlighted in grey are optional

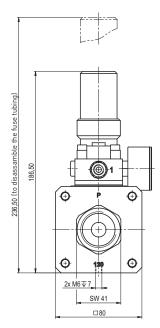
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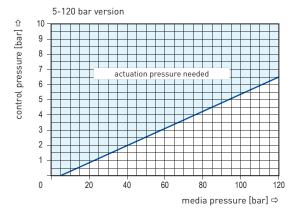








### actuation pressure-diagram



#### Sound creation during low pressure circulation mode and flow $Q=6~m^3/h$ ca. 70 dbA

## pressureless circulation mode

