

type HPI-1 32
HPI-2 32

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

- 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.

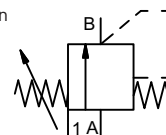
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application. 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 0-100 bar
DN 32 mm
thread
stepless pressure regulation



operating principle

body material

externally controlled with spring return

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

valve seat

metal on metal

seal materials

PU, NBR **FPM**

ports

HPI-1 threads G 1 1/2
HPI-2 threads G 1 1/2

function

stepless pressure regulation

pressure regulation range

bar HPI-1 5-40 **HPI-2 5-100**

flow rate

m³/h max. 24,3

media

gaseous - liquid - highly viscous - contaminated

abrasive media

A ⇌ B as marked

flow direction

ms HPI-1 < 200 **HPI-2 < 400**

settling time

media temperature

°C 0 to +60

ambient temperature

°C 0 to +50

approvals

mounting

kg **mounting brackets**

weight

HPI-1 15,1 **HPI-2 16,2**

additional equipment

electrical specifications

options

nominal voltage

U_n DC 24 V **special voltage upon request**
U_n AC 230 V 50 Hz **special voltage upon request**

power consumption

DC 4,8 W **2,5 W**

protection

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

energized duty rating

IP65 (P54) acc. DIN 40050

connection

ED 100%

optional

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

additional equipment

M12x1 connector acc. DESINA **connector acc. VDMA**

max. temperature

illuminated plug with varistor

media 60°C

ambient 50°C

explosion proof

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

actuation pressure range

bar see actuation pressure-diagram

compressed air

DIN ISO 8573-1 grade of compressed air quality 5/4/3

control

via 3/2 way pilot valve for shutt-off

actuator ports

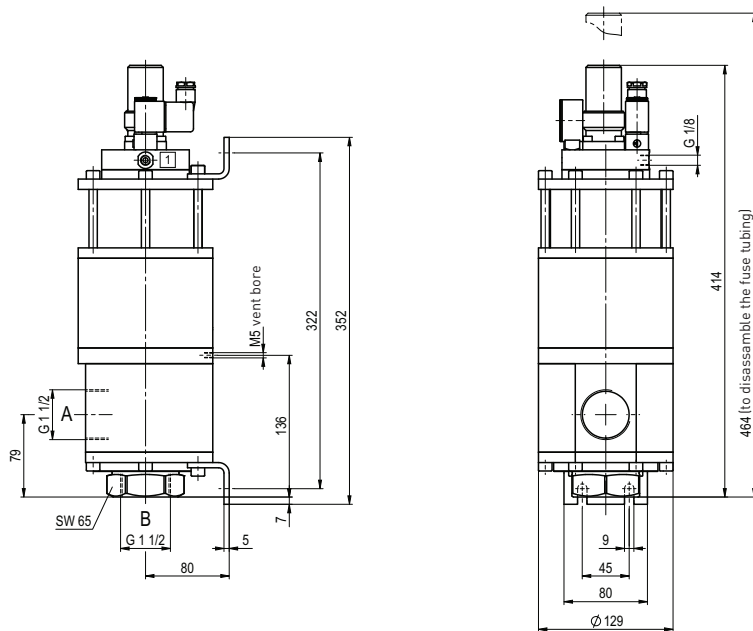
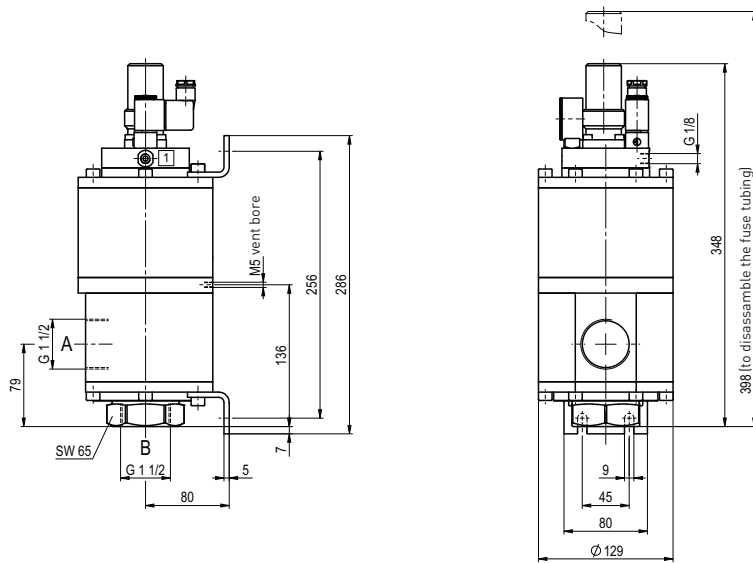
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specifications not highlighted are standard
 specifications highlighted in grey are optional

coax® data sheet - pressure reduction valve

type HPI-1 32

HPI-2 32



actuation pressure-diagram

