

Pinch valve

VZQA-C-M22U-15-GG-V4V4S1-4

Part number: 3022835

FESTO

Pneumatically actuated pinch valve in stainless steel, safety position open, G thread, DN15.



Data sheet

| Feature | Value |
|-----------------------------------|--|
| Design structure | Pneumatically actuated pinch valve |
| Type of actuation | pneumatic |
| Sealing principle | soft |
| Assembly position | Any |
| Mounting type | Line installation |
| Process valve connection | G1/2 |
| Nominal diameter DN | 15 |
| Valve function | 2/2 open, monostable |
| Flow direction | reversible |
| Pressure of medium | 0 ... 0.4 MPa |
| Medium pressure | 0 ... 4 bar |
| Pressure of medium psi | 0 ... 58 psi |
| Operating pressure MPa | 0.1 ... 0.65 MPa |
| Operating pressure | 1 ... 6.5 bar 14.5 ... 94.25 psi |
| Nominal pressure of process valve | 10 |
| Differential pressure (MPa) | 0.25 MPa |
| Differential pressure | 2.5 bar |
| Differential pressure (psi) | 36.25 psi |
| Burst pressure | 1.6 MPa |
| Bursting pressure | 16 bar |
| Burst pressure | 232 psi |
| Overload pressure | 0.78 MPa 7.8 bar |
| Overload pressure (psi) | 113.1 psi |
| Type of reset | Rebound resilience |
| Type of piloting | With external control |
| Auxiliary pilot air port 12 | G1/8 |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Medium | Compressed air in accordance with ISO8573-1:2010 [-:-:-] |
| Max. viscosity | 4,000 mm ² /s |
| Medium temperature | -5 ... 150 °C |
| Ambient temperature | -5 ... 60 °C |
| Storage temperature | 5 ... 30 °C |
| Flow rate Kv | 5 m ³ /h |
| Switching time on | 250 ms |
| Switching time off | 250 ms |
| Materials note | Conforms to RoHS |
| PWIS conformity | VDMA24364 zone III |
| RSBP classification to CD-0033 | F1a |
| Material housing | High alloy steel, non-corrosive |
| Material number for housing | 1.4404 |
| Material housing cover | High alloy steel, non-corrosive |

| Feature | Value |
|---------------------------|-------------------------------|
| Material seals | FPM |
| Material shut-off element | VMQ (silicon) |
| Product weight | 431 g |
| Food-safe | See declaration of conformity |
| Material bowl | PA6 |