

Pinch valve VZQA-C-M22U-...

Part number: 2037881

FESTO



[PDF](#) [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|-----------------------------|---|
| Design | Pinch valve, pneumatically actuated |
| Type of actuation | Pneumatic |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of mounting | Inline installation |
| Connection Process valve | Clamp according to ASME-BPE Type A Clamp according to ASME-BPE type B Clamp to DIN 32676 series A G1/4 G1/2 G1 1/4 NPT 1/2 NPT 1 NPT |
| Nominal size DN | 6 15 25 |
| Valve function | 2/2-way, single solenoid, open |
| Flow direction | Reversible |
| Medium pressure | 0 MPa ... 0.4 MPa |
| Medium pressure | 0 bar ... 4 bar |
| Medium pressure | 0 psi ... 58 psi |
| Note on the medium pressure | Use in the vacuum range was tested up to -0.09 MPa with the air at room temperature. Depending on the application, a counter-vacuum may have to be created on the control side to guarantee the media flow. |
| Operating pressure | 0.1 MPa ... 0.65 MPa |
| Operating pressure | 1 bar ... 6.5 bar |
| Operating pressure | 14.5 psi ... 94.25 psi |
| Nominal pressure PN | 10 |
| Burst pressure | 1.6 MPa |
| Burst pressure | 16 bar |
| Burst pressure | 232 psi |

| Feature | Value |
|--|---|
| Overload pressure | 0.78 MPa |
| Overload pressure | 7.8 bar |
| Overload pressure | 113.1 psi |
| Type of reset | Rebound resilience |
| Type of piloting | Externally actuated |
| Auxiliary pilot air port 12 | M5 G1/8 |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:1] Compressed air to ISO 8573-1:2010 [7:4:4] |
| Symbol | 00995245 |
| Medium | Compressed air to ISO 8573-1:2010 [:-:-] Compressed air to ISO 8573-1:2010 [:-:1] Water |
| Max. viscosity | 4000 mm ² /s |
| Media temperature | -5 °C ... 150 °C |
| Ambient temperature | -5 °C ... 60 °C |
| Storage temperature | 5 °C ... 30 °C |
| Flow rate Kv | 0.7 m ³ /h ... 18 m ³ /h |
| Switching time on | 125 ms ... 250 ms |
| Switching time off | 125 ms ... 250 ms |
| Note on materials | RoHS compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Material housing | High-alloy stainless steel |
| Material housing cover | POM High-alloy stainless steel Wrought aluminium alloy |
| Material seals | Fluoro rubber |
| Material shut-off element | EPDM NBR VMQ (silicone) |
| Product weight | 56.5 g ... 1876 g |
| Suitable for use with food | See supplementary material information See declaration of conformity |
| Material bowl | PA6 |