

Pinch valve VZQA-C-M22C-...

Part number: 3174282

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, closed |
| Flow direction | Reversible |
| Medium pressure | 0 bar ... 6 bar |
| 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 | 3.5 bar ... 6 bar |
| Nominal pressure PN | 10 |
| Burst pressure | 16 bar |
| Type of reset | Mechanical spring |
| Type of piloting | Externally actuated |
| Auxiliary pilot air port 12 | M3 M5 |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:1] |
| Symbol | 00992981 |

| Feature | Value |
|-------------------------------|-------------------------------------------------------------------------|
| Medium | Compressed air to ISO 8573-1:2010 [-:::1] Water |
| Max. viscosity | 4000 mm ² /s |
| Media temperature | -5 °C ... 100 °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 ... 400 ms |
| Note on materials | RoHS compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Material housing | High-alloy stainless steel |
| Material number housing | 1,4301 |
| Material housing cover | High-alloy stainless steel Wrought aluminium alloy |
| Material number housing cover | 1.4404 / AISI 316L |
| Material seals | Fluoro rubber |
| Material shut-off element | EPDM VMQ (silicone) |
| Product weight | 137 g ... 2408 g |
| Suitable for use with food | See supplementary material information See declaration of conformity |
| Material bowl | PA6 PPS |