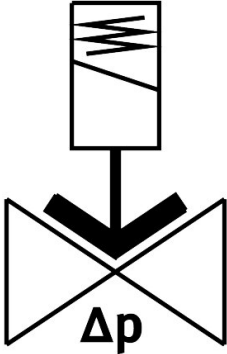


Solenoid valve

VZWM-L-M22C-N1-F5-R1

Part number: 546174

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | Diaphragm valve servo-controlled |
| Type of actuation | Electric |
| Sealing principle | Soft |
| Mounting position | Preferably vertical |
| Type of mounting | In-line installation |
| Connection Process valve | 1 NPT |
| Electrical connection | Solenoid coil type MH-... , coil can be ordered as an accessory |
| Nominal size | 25 mm |
| Valve function | 2/2-way, closed, monostable |
| Flow direction | Non-reversible |
| Medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Water Neutral fluids |
| Medium pressure, valve for liquid media | 0.05 MPa...0.6 MPa 0.5 bar...6 bar 7.25 psi...87 psi |
| Medium pressure, valve for gaseous media | 0.05 MPa...1 MPa 0.5 bar...10 bar 7.25 psi...145 psi |
| Burst pressure | 4 MPa 40 bar 580 psi |
| Overload pressure | 3.5 MPa 35 bar 507.5 psi |
| Pressure difference | 0.05 MPa 0.5 bar 7.25 psi |

| Feature | Value |
|---|--|
| Type of piloting | Pilot actuated |
| Max. viscosity | 22 mm ² /s |
| Media temperature | -10 °C...60 °C |
| Media temperature for fluids | 5 °C...50 °C |
| Ambient temperature | -10 °C...60 °C |
| Flow rate Kv | 10.7 m ³ /h |
| Standard nominal flow rate (standardised to DIN 1343) | 11700 l/min |
| Switching time on | 15 ms |
| Switch-on time for fluids | 300 ms |
| Switching time off | 12 ms |
| Switch-off time for fluids | 950 ms |
| b value | 0.57 |
| C value | 41 l/sbar |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Material housing | Stainless steel casting |
| Material number housing | 1.4581 |
| Material seals | NBR |
| Material plunger tube | High-alloy steel |
| Product weight | 1100 g |
| CE mark (see declaration of conformity) | In accordance with EU Pressure Equipment Directive |
| UKCA marking (see declaration of conformity) | to UK Pressure Equipment Regulations |
| Corrosion resistance class CRC | 3 - high corrosion stress |
| Max. tightening torque for cover screw | 30 Nm |
| Max. tightening torque for connecting thread | 350 Nm |
| Max. tightening torque for coil fastening | 2 Nm |