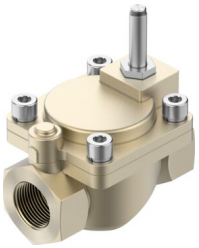
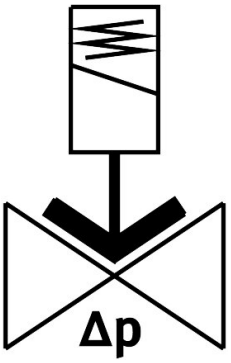
# Air solenoid valve
# VZWM-L-M22C-G1-F4

Part number: 546150






## Data sheet

| Feature | Value |
|---|---|
| Structural design | Diaphragm valve<br>Servo-controlled |
| Actuation type | Electrical |
| Sealing principle | Soft |
| Mounting position | Preferably upright |
| Type of mounting | In-line installation |
| Fitting connection | G1 |
| Electrical connection | Solenoid coil type MD-... , coil can be ordered as an accessory |
| Nominal width | 27.5 mm |
| Valve function | 2/2-way, closed, monostable |
| Flow direction | Non-reversible |
| Medium | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas<br>Water<br>Neutral liquids |
| Medium pressure of liquid media | 0.05 MPa...0.6 MPa<br>0.5 bar...6 bar<br>7.25 psi...87 psi |
| Medium pressure of gaseous media | 0.05 MPa...1 MPa<br>0.5 bar...10 bar<br>7.25 psi...145 psi |
| Burst pressure | 4 MPa<br>40 bar<br>580 psi |
| Overload pressure | 3.5 MPa<br>35 bar<br>507.5 psi |
| Pressure difference | 0.05 MPa<br>7.25 psi |
| Differential pressure | 0.5 bar |

| Feature | Value |
|---|---|
| Type of control | Piloted |
| Max. viscosity | 22 mm²/s |
| Temperature of medium | -10 °C...60 °C |
| Temperature of liquid media | 5 °C...50 °C |
| Ambient temperature | -10 °C...60 °C |
| Flow rate Kv | 10.7 m³/h |
| Normal nominal flow rate (normalized to DIN 1343) | 11700 l/min |
| On switching time | 15 ms |
| Response time "on" for liquid media | 400 ms |
| Switching time off | 12 ms |
| Response time "off" for liquid media | 750 ms |
| b-value | 0.57 |
| C value | 41 l/sbar |
| Note on materials | RoHS compliant |
| LABS (PWIS) conformity | VDMA24364 Zone III |
| Housing material | Brass |
| Material number of housing | 2,0402 |
| Seals material | NBR |
| Armature tube material | High-alloy steel |
| Product weight | 1200 g |
| CE marking (see declaration of conformity) | as per EU pressure equipment directive |
| UKCA marking (see declaration of conformity) | according to UK regulations for pressure equipment |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Max. torque for cover screw | 30 Nm |
| Max. tightening torque for connecting thread | 350 Nm |
| Max. tightening torque for coil fastening | 0.5 Nm |