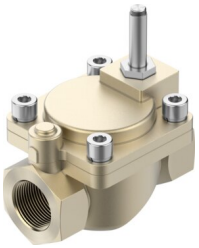
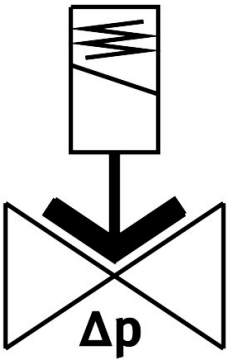
Air solenoid valve
VZWM-L-M22C-N1-F4

Part number: 546158





Data sheet

Feature	Value
Structural design	Diaphragm valve Servo-controlled
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Preferably upright
Type of mounting	In-line installation
Fitting connection	1 NPT
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] Inert gas Water Neutral liquids
Medium pressure of liquid media	0.05 MPa...0.6 MPa 0.5 bar...6 bar 7.25 psi...87 psi
Medium pressure of 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 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	930 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