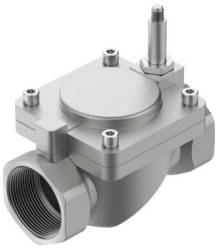
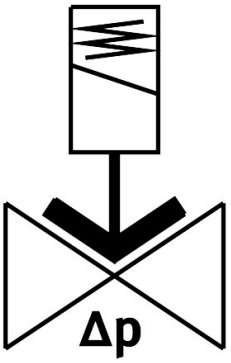
Air solenoid valve
VZWM-L-M22C-N2-F5-R1

Part number: 546177





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	2 NPT
Electrical connection	Solenoid coil type MH-... , coil can be ordered as an accessory
Nominal width	50 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	0.07 MPa...0.6 MPa 0.7 bar...6 bar 10.15 psi...87 psi
Medium pressure of gaseous media	0.07 MPa...1 MPa 0.7 bar...10 bar 10.15 psi...145 psi
Burst pressure	4 MPa 40 bar 580 psi
Overload pressure	2.5 MPa 25 bar 362.5 psi
Pressure difference	0.07 MPa 10.15 psi
Differential pressure	0.7 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	39 m³/h
Normal nominal flow rate (normalized to DIN 1343)	31000 l/min
On switching time	62 ms
Response time "on" for liquid media	2100 ms
Switching time off	21 ms
Response time "off" for liquid media	2800 ms
b-value	0.68
C value	110 l/sbar
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 Zone III
Housing material	Cast stainless steel
Material number of housing	1,4581
Seals material	NBR
Armature tube material	High-alloy steel
Product weight	3700 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)	3 - High corrosion stress
Max. torque for cover screw	30 Nm
Max. tightening torque for connecting thread	620 Nm
Max. tightening torque for coil fastening	2 Nm