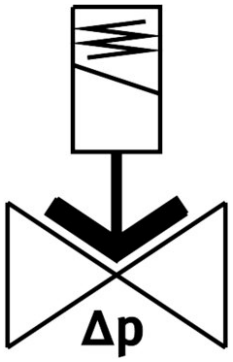
Air solenoid valve
VZWM-L-M22C-G12-F4

Part number: 546148





General operating condition

Data sheet

Feature	Value
Structural design	servo-controlled
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Preferably upright
Type of mounting	Line installation
Fitting connection	G1/2
Electrical connection	Solenoid coil type MD-... , coil can be ordered as an accessory
Nominal width	13.5 mm
Valve function	2/2, 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
Medium pressure of liquid media	0.5 bar ... 6 bar
Medium pressure of liquid media	7.25 psi ... 87 psi
Medium pressure of gaseous media	0.05 MPa ... 1 MPa
Medium pressure of gaseous media	0.5 bar ... 10 bar
Medium pressure of gaseous media	7.25 psi ... 145 psi
Burst pressure	4 MPa
Burst pressure	40 bar
Burst pressure	580 psi
Overload pressure	4 MPa
Overload pressure	40 bar
Overload pressure	580 psi
Pressure difference	0.05 MPa
Differential pressure	0.5 bar
Pressure difference	7.25 psi
Type of control	Pilot-controlled

Feature	Value
Symbol	00995681
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	2.4 m³/h
Standard nominal flow rate	2400 l/min
On switching time	8 ms
Response time "on" for liquid media	110 ms
Switching time off	10 ms
Response time "off" for liquid media	220 ms
b-value	0.37
C value	9.8 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	450 g
Corrosion resistance class (CRC)	1 - Low corrosion stress
Max. torque for cover screw	20 Nm
Max. tightening torque for connecting thread	105 Nm
Max. tightening torque for coil fastening	0.5 Nm