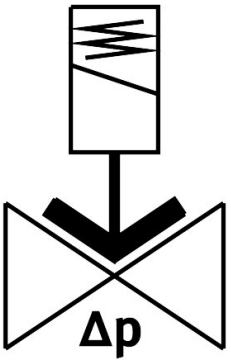
Solenoid valve
VZWM-L-M22C-N14-F5-R1

Part number: 546170





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	1/4 NPT
Electrical connection	Solenoid coil type MH-... , coil can be ordered as an accessory
Nominal size	13 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	4 MPa 40 bar 580 psi
Pressure difference	0.05 MPa 0.5 bar 7.25 psi

Feature	Value
Type of piloting	Pilot actuated
Max. viscosity	22 mm²/s
Media temperature	-10 °C...60 °C
Media temperature for fluids	5 °C...50 °C
Ambient temperature	-10 °C...60 °C
Flow rate Kv	1.6 m³/h
Standard nominal flow rate (standardised to DIN 1343)	1400 l/min
Switching time on	8 ms
Switch-on time for fluids	80 ms
Switching time off	10 ms
Switch-off time for fluids	210 ms
b value	0.3
C value	6 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	400 g
Corrosion resistance class CRC	3 - high corrosion stress
Max. tightening torque for cover screw	20 Nm
Max. tightening torque for connecting thread	35 Nm
Max. tightening torque for coil fastening	2 Nm