

# Solenoid valve VZWM-L-M22C-G12-F4

Part number: 546148

FESTO



 General operating condition

## Data sheet

Feature	Value
Design	Diaphragm valve servo-controlled
Type of actuation	Electrical
Sealing principle	Soft
Mounting position	Preferably upright
Type of mounting	Inline installation
Connection Process valve	G1/2
Electrical connection	Solenoid coil type MD-... , coil can be ordered as an accessory
Nominal size	13.5 mm
Valve function	2/2-way, single solenoid, closed
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
Medium pressure, valve for liquid media	0.5 bar ... 6 bar
Medium pressure, valve for liquid media	7.25 psi ... 87 psi
Medium pressure, valve for gaseous media	0.05 MPa ... 1 MPa
Medium pressure, valve for gaseous media	0.5 bar ... 10 bar
Medium pressure, valve for 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
Pressure difference	0.5 bar
Pressure difference	7.25 psi

Feature	Value
Type of piloting	Piloted
Symbol	00995681
Max. viscosity	22 mm <sup>2</sup> /s
Media temperature	-10 °C ... 60 °C
Media temperature for fluids	5 °C ... 50 °C
Ambient temperature	-10 °C ... 60 °C
Flow rate Kv	2.4 m <sup>3</sup> /h
Standard nominal flow rate (standardised to DIN 1343)	2400 l/min
Switching time on	8 ms
Switch-on time for fluids	110 ms
Switching time off	10 ms
Switch-off time for fluids	220 ms
b value	0.37
C value	9.8 l/sbar
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	Brass
Material number housing	2,0402
Material seals	NBR
Material plunger tube	High-alloy steel
Product weight	450 g
Corrosion resistance class CRC	1 - Low corrosion stress
Max. tightening torque for cover screw	20 Nm
Max. tightening torque for connecting thread	105 Nm
Max. tightening torque for coil fastening	0.5 Nm