

# Air solenoid valve VZWM-L-M22C-G14-F4

Part number: 546146

FESTO



 General operating condition

## 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	G1/4
Electrical connection	Solenoid coil type MD-... , coil can be ordered as an accessory
Nominal width	13.5 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
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

Feature	Value
Type of control	Piloted
Symbol	00995681
Max. viscosity	22 mm <sup>2</sup> /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	1.6 m <sup>3</sup> /h
Normal nominal flow rate (normalized to DIN 1343)	1400 l/min
On switching time	8 ms
Response time "on" for liquid media	100 ms
Switching time off	10 ms
Response time "off" for liquid media	200 ms
b-value	0.3
C value	6 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	500 g
Corrosion resistance class (CRC)	1 - Low corrosion stress
Max. torque for cover screw	20 Nm
Max. tightening torque for connecting thread	35 Nm
Max. tightening torque for coil fastening	0.5 Nm