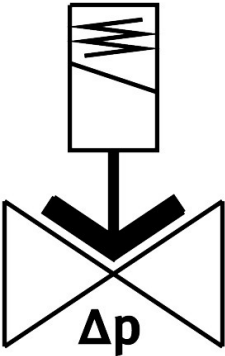


# Air solenoid valve VZWM-L-M22C-G14-F4

Part number: 546146

**FESTO**



## Data sheet

Feature	Value
Structural design	Diaphragm valve servo-controlled
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Preferably upright
Type of mounting	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, 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	0.5 bar...6 bar
Medium pressure of gaseous media	0.5 bar...10 bar
Differential pressure	0.5 bar
Type of control	Pilot-controlled
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
Standard nominal flow rate	1400 l/min
On switching time	8 ms
Response time "on" for liquid media	100 ms

Feature	Value
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