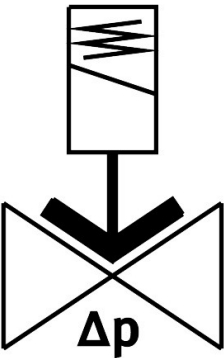


# Air solenoid valve

## VZWM-L-M22C-N2-F5-R1

Part number: 546177

**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	2 NPT
Electrical connection	Solenoid coil type MH-... , coil can be ordered as an accessory
Nominal width	50 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	0.7 bar...6 bar
Medium pressure of gaseous media	0.7 bar...10 bar
Differential pressure	0.7 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	39 m <sup>3</sup> /h
Standard nominal flow rate	31000 l/min
On switching time	62 ms
Response time "on" for liquid media	2100 ms

Feature	Value
Switching time off	21 ms
Response time "off" for liquid media	2800 ms
b-value	0.68
C value	110 l/sbar
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Housing material	Cast stainless steel
Material number of housing	1.4581
Seals material	NBR
Armature tube material	High-alloy steel
Product weight	3700 g
CE marking (see declaration of conformity)	as per EU pressure equipment directive
UKCA marking (see declaration of conformity)	according to UK regulations for pressure equipment
Corrosion resistance class (CRC)	3 - High corrosion stress
Max. torque for cover screw	30 Nm
Max. tightening torque for connecting thread	620 Nm
Max. tightening torque for coil fastening	2 Nm