

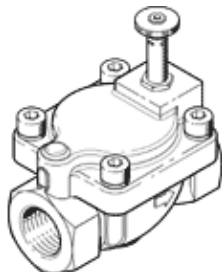
# Solenoid valve

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

Part number: 546177

FESTO

Servo-controlled, with diaphragm, NPT2" connection, stainless steel version.



### Data sheet

Feature	Value
Design structure	Diaphragm valve Servo controlled
Type of actuation	electrical
Sealing principle	soft
Assembly position	Preferably upright
Mounting type	Line installation
Process valve connection	2 NPT
Electrical connection	Solenoid coil type MH-... , coil can be ordered as an accessory
Nominal size	50 mm
Valve function	2/2 closed, monostable
Flow direction	non reversible
Medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Water Neutral fluids
Working pressure of process valve for liquid media	0.7 ... 6 bar
Working pressure of process valve for gaseous media	0.7 ... 10 bar
Differential pressure	0.7 bar
Type of piloting	Piloted
Max. viscosity	22 mm <sup>2</sup> /s
Medium temperature	-10 ... 60 °C
Temperature of liquid media	5 ... 50 °C
Ambient temperature	-10 ... 60 °C
Flow rate Kv	39 m <sup>3</sup> /h
Standard nominal flow rate	31,000 l/min
Switching time on	62 ms
Response time "on" for liquid media	2,100 ms
Switching time off	21 ms
Response time "off" for liquid media	2,800 ms
b value	0.68
C value	110 l/sbar
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III
Material housing	Stainless steel casting
Material number for housing	1.4581
Material seals	NBR
Material plunger tube	High alloy steel
Product weight	3,700 g
CE symbol (see declaration of conformity)	according to EU printing device guideline
UKCA marking (see declaration of conformity)	UK regulation for pressure equipment
Corrosion resistance classification CRC	3 - High corrosion stress
Max. torque for cover screw	30 Nm
Max. tightening torque, connecting thread	620 Nm
Max. torque for coil fastening	2 Nm