

solenoid valve

VZWM-L-M22C-N12-F5-R1

Part number: 546172

FESTO

Servo-controlled, with diaphragm, NPT1/2" 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	1/2 NPT
Electrical connection	Solenoid coil type MH-... , coil can be ordered as an accessory
Nominal size	13 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
Operating pressure of process valve for liquid media	0.5 ... 6 bar
Operating pressure of process valve for gaseous media	0.5 ... 10 bar
Differential pressure	0.5 bar
Type of piloting	Piloted
Max. viscosity	22 mm ² /s
Medium temperature	-10 ... 60 °C
Temperature of liquid media	5 ... 50 °C
Ambient temperature	-10 ... 60 °C
Flow rate Kv	2.4 m ³ /h
Standard nominal flow rate	2,400 l/min
Switching time on	8 ms
Response time "on" for liquid media	110 ms
Switching time off	10 ms
Response time "off" for liquid media	200 ms
b value	0.37
C value	9.8 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	400 g
Corrosion resistance classification CRC	3 - High corrosion stress
Max. torque for cover screw	20 Nm
Max. tightening torque, connecting thread	105 Nm
Max. torque for coil fastening	2 Nm