

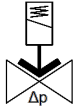
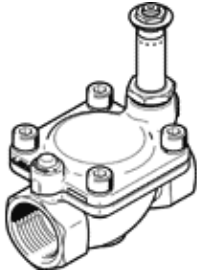
# Solenoid valve

## VZWM-L-M22C-G12-F5-R1

Part number: 546164

FESTO

Servo-controlled, with diaphragm, G1/2" connection, stainless steel version.



### Data sheet

| Feature   | Value  |
|---|--|
| Design structure                                    | Diaphragm valve<br>Servo controlled  |
| Type of actuation                                   | electrical   |
| Sealing principle                                   | soft   |
| Assembly position                                   | Preferably upright   |
| Mounting type                                       | Line installation  |
| Process valve connection                            | G1/2   |
| 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]<br>Inert gases<br>Water<br>Neutral fluids |
| Working pressure of process valve for liquid media  | 0.5 ... 6 bar  |
| Working pressure of process valve for gaseous media | 0.5 ... 10 bar   |
| Differential pressure                               | 0.5 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  | 2.4 m <sup>3</sup> /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                                      | 360 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   |