

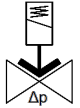
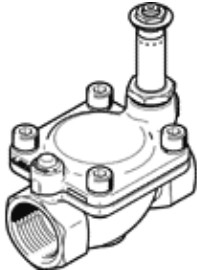
# solenoid valve

## VZWM-L-M22C-N14-F5-R1

Part number: 546170

FESTO

Servo-controlled, with diaphragm, NPT1/4" 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                              | 1/4 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]<br>Inert gases<br>Water<br>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 <sup>2</sup> /s  |
| Medium temperature                                    | -10 ... 60 °C  |
| Temperature of liquid media                           | 5 ... 50 °C  |
| Ambient temperature                                   | -10 ... 60 °C  |
| Flow rate Kv  | 1.6 m <sup>3</sup> /h  |
| Standard nominal flow rate                            | 1,400 l/min  |
| Switching time on                                     | 8 ms   |
| Response time "on" for liquid media                   | 80 ms  |
| Switching time off                                    | 10 ms  |
| Response time "off" for liquid media                  | 210 ms   |
| b value   | 0.3  |
| C value   | 6 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             | 35 Nm  |
| Max. torque for coil fastening                        | 2 Nm   |