

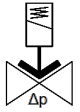
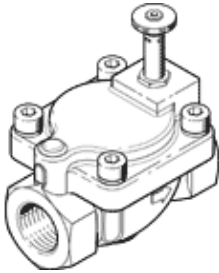
# Solenoid valve

## VZWM-L-M22C-N34-F4

Part number: 546157

FESTO

Servo-controlled, with diaphragm, NPT3/4" connection.



### 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                            | 3/4 NPT  |
| Electrical connection                               | Solenoid coil type MD-... , coil can be ordered as an accessory                                    |
| Nominal size  | 27.5 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  | 8.5 m <sup>3</sup> /h  |
| Standard nominal flow rate                          | 10,000 l/min   |
| Switching time on                                   | 15 ms  |
| Response time "on" for liquid media                 | 400 ms   |
| Switching time off                                  | 12 ms  |
| Response time "off" for liquid media                | 930 ms   |
| b value   | 0.5  |
| C value   | 39 l/sbar  |
| Materials note                                      | Conforms to RoHS   |
| PWIS conformity                                     | VDMA24364 zone III   |
| Material housing                                    | Brass  |
| Material number for housing                         | 2.0402   |
| Material seals                                      | NBR  |
| Material plunger tube                               | High alloy steel   |
| Product weight                                      | 1,220 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             | 1 - Low corrosion stress   |
| Max. torque for cover screw                         | 30 Nm  |
| Max. tightening torque, connecting thread           | 200 Nm   |
| Max. torque for coil fastening                      | 0.5 Nm   |