

# Air solenoid valve

## VZWF-L-M22C-G114-400-E-1P4-10-R1

FESTO

Part number: 1492139



[PDF](#) General operating condition

## Data sheet

| Feature                          | Value  |
|----------------------------------|--|
| Structural design                | Diaphragm valve<br>Force pilot operated  |
| Actuation type                   | Electrical   |
| Sealing principle                | Soft   |
| Mounting position                | Magnet, upright  |
| Type of mounting                 | Line installation  |
| Fitting connection               | G1 1/4   |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design   |
| Nominal width                    | 40 mm  |
| Valve function                   | 2/2, closed, monostable  |
| Manual override                  | None   |
| Flow direction                   | Non-reversible   |
| Medium                           | Compressed air as per ISO 8573-1:2010 [7:-:-]<br>Inert gas<br>Mineral oil<br>Water<br>Neutral liquids<br>Other flow media on request |
| Nominal pressure of fitting PN   | 40   |
| Pressure difference              | 0 MPa  |
| Differential pressure            | 0 bar  |
| Pressure difference              | 0 psi  |
| Coil characteristics             | 24 V DC: 30.0 W  |
| Permissible voltage fluctuations | +/- 10 %   |
| Symbol                           | 00992976   |
| Medium pressure                  | 0 MPa ... 1 MPa  |
| Medium pressure                  | 0 bar ... 10 bar   |
| Medium pressure                  | 0 psi ... 145 psi  |
| Max. viscosity                   | 22 mm <sup>2</sup> /s  |

| Feature                                    | Value                                  |
|--|--|
| Temperature of medium                      | -10 °C ... 80 °C                       |
| Ambient temperature                        | -10 °C ... 35 °C                       |
| Leak rate to EN 12266-1                    | A                                      |
| Flow rate Kv                               | 20 m <sup>3</sup> /h                   |
| Standard nominal flow rate                 | 21370 l/min                            |
| On switching time                          | 620 ms                                 |
| Switching time off                         | 1140 ms                                |
| Note on materials                          | RoHS-compliant                         |
| LABS (PWIS) conformity                     | VDMA24364 zone III                     |
| Housing material                           | Cast stainless steel                   |
| Material number of housing                 | 1.4581                                 |
| Seals material                             | EPDM                                   |
| Material of screws                         | High-alloy stainless steel             |
| Material number of screw                   | 1.4301                                 |
| Product weight                             | 4500 g                                 |
| CE marking (see declaration of conformity) | as per EU pressure equipment directive |
| Degree of protection                       | IP65                                   |
| Corrosion resistance class (CRC)           | 3 - High corrosion stress              |