

# Air solenoid valve

## VZWF-B-L-M22C-G14-135-1P4-10-R1

FESTO

Part number: 1492118



[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                 | In-line installation  |
| Fitting connection               | G1/4  |
| Electrical connection            | Plug<br>As per EN 175301-803<br>Rectangular design  |
| Nominal width                    | 13.5 mm   |
| Valve function                   | 2/2-way, 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: 11.0 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   |
| Temperature of medium            | -10 °C ... 80 °C  |

| <b>Feature</b>                                    | <b>Value</b>               |
|---|----------------------------|
| Ambient temperature                               | -10 °C ... 35 °C           |
| Leak rate to EN 12266-1                           | A                          |
| Flow rate Kv                                      | 1.8 m <sup>3</sup> /h      |
| Normal nominal flow rate (normalized to DIN 1343) | 1920 l/min                 |
| On switching time                                 | 130 ms                     |
| Switching time off                                | 180 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                                    | NBR                        |
| Material of screws                                | high-alloy stainless steel |
| Material number of screw                          | 1,4301                     |
| Product weight                                    | 1000 g                     |
| Degree of protection                              | IP65                       |
| Corrosion resistance class (CRC)                  | 3 - High corrosion stress  |