

# Solenoid valve

## VZWF-L-M22C-N112-400-V-2AP4-10-R1

Part number: 1492300

**FESTO**



## Data sheet

| Feature                          | Value                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Design                           | Diaphragm valve<br>Force pilot operated                                                                                     |
| Type of actuation                | Electrical                                                                                                                  |
| Sealing principle                | Soft                                                                                                                        |
| Mounting position                | Magnet upright                                                                                                              |
| Type of mounting                 | Inline installation                                                                                                         |
| Connection Process valve         | 1 1/2 NPT                                                                                                                   |
| Electrical connection            | Type A<br>Plug<br>To EN 175301-803<br>Square design                                                                         |
| Nominal size                     | 40 mm                                                                                                                       |
| Valve function                   | 2/2-way, single solenoid, closed                                                                                            |
| Manual override                  | None                                                                                                                        |
| Flow direction                   | Non-reversible                                                                                                              |
| Medium                           | Compressed air to ISO 8573-1:2010 [7:::]<br>Inert gases<br>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure PN              | 40                                                                                                                          |
| Pressure difference              | 0 MPa<br>0 bar<br>0 psi                                                                                                     |
| Characteristic coil data         | 110 V AC: 50/60 Hz, pick-up power 30.0 VA, holding power 30.0 VA                                                            |
| Permissible voltage fluctuations | +/-10%                                                                                                                      |
| Medium pressure                  | 0 MPa...1 MPa<br>0 bar...10 bar<br>0 psi...145 psi                                                                          |

| Feature                                               | Value                                                                             |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|
| Max. viscosity                                        | 22 mm <sup>2</sup> /s                                                             |
| Media temperature                                     | -10 °C...80 °C                                                                    |
| Ambient temperature                                   | -10 °C...35 °C                                                                    |
| Leakage rate to EN 12266-1                            | A                                                                                 |
| Flow rate Kv                                          | 22.5 m <sup>3</sup> /h                                                            |
| Standard nominal flow rate (standardised to DIN 1343) | 23500 l/min                                                                       |
| Switching time on                                     | 620 ms                                                                            |
| Switching time off                                    | 1140 ms                                                                           |
| Note on materials                                     | RoHS compliant                                                                    |
| LABS (PWIS) conformity                                | VDMA24364 zone III                                                                |
| Material housing                                      | Cast stainless steel                                                              |
| Material number housing                               | 1,4581                                                                            |
| Material seals                                        | Fluoro rubber                                                                     |
| Material screws                                       | High-alloy stainless steel                                                        |
| Material number screw                                 | 1,4301                                                                            |
| Product weight                                        | 4500 g                                                                            |
| CE mark (see declaration of conformity)               | In accordance with EU Pressure Equipment Directive<br>To EU Low Voltage Directive |
| UKCA marking (see declaration of conformity)          | To UK regulations for electrical equipment                                        |
| Degree of protection                                  | IP65                                                                              |
| Corrosion resistance class CRC                        | 3 - high corrosion stress                                                         |