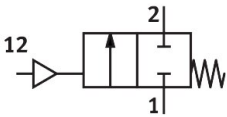


# Angle seat valve

## VZXF-L-M22C-M-B-G114-310-M1-V4ANT-80-10

Part number: 3540818

**FESTO**



### Data sheet

| Feature                | Value                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design                 | Poppet valve with piston drive                                                                                                                              |
| Type of actuation      | Pneumatic                                                                                                                                                   |
| Sealing principle      | Soft                                                                                                                                                        |
| Mounting position      | optional                                                                                                                                                    |
| Type of mounting       | In-line installation                                                                                                                                        |
| Line connection        | Threaded coupling G1 1/4 to DIN ISO 228                                                                                                                     |
| Nominal size           | 31 mm                                                                                                                                                       |
| Valve function         | 2/2-way, closed, monostable                                                                                                                                 |
| Flow direction         | Non-reversible                                                                                                                                              |
| Medium pressure        | 0 MPa...1 MPa<br>0 bar...10 bar                                                                                                                             |
| Nominal pressure PN    | 40                                                                                                                                                          |
| Exhaust-air function   | Without flow control option                                                                                                                                 |
| Type of reset          | Mechanical spring                                                                                                                                           |
| Type of piloting       | Externally controlled                                                                                                                                       |
| Pneumatic connection   | Female thread G1/8                                                                                                                                          |
| Operating pressure     | 0.6 MPa...1 MPa<br>6 bar...10 bar<br>87 psi...145 psi                                                                                                       |
| Medium                 | Vapour<br>Mineral oil-based hydraulic fluid<br>Inert gases<br>Mineral oil<br>Water<br>Filtered compressed air, grade of filtration 200 µm<br>Neutral fluids |
| Direction of flow      | Below valve seat, for gaseous and liquid media                                                                                                              |
| Operating medium       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                                   |
| Max. viscosity         | 600 mm²/s                                                                                                                                                   |
| Media temperature      | -40 °C...200 °C                                                                                                                                             |
| Ambient temperature    | -10 °C...60 °C                                                                                                                                              |
| Flow rate Kv           | 17.5 m³/h                                                                                                                                                   |
| Note on materials      | RoHS-compliant                                                                                                                                              |
| LABS (PWIS) conformity | VDMA24364 zone III                                                                                                                                          |

| Feature                                      | Value                                              |
|----------------------------------------------|----------------------------------------------------|
| Material process valve housing               | Stainless steel casting                            |
| Material number process valve housing        | 1.4408                                             |
| Material spindle seal                        | PTFE                                               |
| Material seat seal                           | PTFE                                               |
| Product weight                               | 3800 g                                             |
| CE mark (see declaration of conformity)      | In accordance with EU Pressure Equipment Directive |
| UKCA marking (see declaration of conformity) | to UK Pressure Equipment Regulations               |
| Corrosion resistance class CRC               | 1 - Low corrosion stress                           |
| Material drive housing                       | Aluminium, nickel-plated                           |