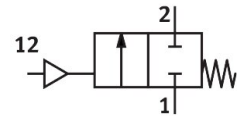


# Angle seat valve VZXF-L-M22C-M-B-N12-120-H3B1-50-16

Part number: 1002534

**FESTO**



General operating condition

## Data sheet

| Feature                          | Value                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structural design                | Poppet valve with piston actuator                                                                                                                    |
| Actuation type                   | Pneumatic                                                                                                                                            |
| Sealing principle                | Soft                                                                                                                                                 |
| Mounting position                | Any                                                                                                                                                  |
| Type of mounting                 | In-line installation                                                                                                                                 |
| Cable connection                 | Threaded sleeve 1/2 NPT as per ANSI/ASME B 1.20.1                                                                                                    |
| Nominal width                    | 12 mm                                                                                                                                                |
| Valve function                   | 2/2-way, closed, monostable                                                                                                                          |
| Flow direction                   | Non-reversible                                                                                                                                       |
| Medium pressure                  | 0 MPa ... 1.6 MPa                                                                                                                                    |
| Medium pressure                  | 0 bar ... 16 bar                                                                                                                                     |
| Nominal pressure of fitting PN   | 16                                                                                                                                                   |
| Exhaust air function             | Cannot be throttled                                                                                                                                  |
| Reset method                     | Mechanical spring                                                                                                                                    |
| Type of control                  | Externally controlled                                                                                                                                |
| Pneumatic connection             | Internal thread G1/8                                                                                                                                 |
| Operating pressure               | 0.6 MPa ... 1 MPa                                                                                                                                    |
| Operating pressure               | 6 bar ... 10 bar                                                                                                                                     |
| Operating pressure               | 87 psi ... 145 psi                                                                                                                                   |
| Symbol                           | 00991367                                                                                                                                             |
| Medium                           | Vapor<br>Hydraulic fluid based on mineral oil<br>Inert gas<br>Mineral oil<br>Water<br>Filtered compressed air, 200 µm filter mesh<br>Neutral liquids |
| Flow direction                   | Under valve seat, for gaseous and liquid media                                                                                                       |
| Operating medium                 | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                        |
| Max. viscosity                   | 600 mm <sup>2</sup> /s                                                                                                                               |
| Temperature of medium            | -10 °C ... 80 °C                                                                                                                                     |
| Ambient temperature              | -10 °C ... 60 °C                                                                                                                                     |
| Flow rate Kv                     | 3.7 m <sup>3</sup> /h                                                                                                                                |
| Note on materials                | RoHS compliant                                                                                                                                       |
| LABS (PWIS) conformity           | VDMA24364 Zone III                                                                                                                                   |
| Valve housing material           | Gunmetal                                                                                                                                             |
| Material number, fitting housing | CC499K                                                                                                                                               |

| Feature                          | Value                    |
|----------------------------------|--------------------------|
| Spindle seal material            | NBR                      |
| Seat seal material               | PTFE                     |
| Product weight                   | 1200 g                   |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Drive housing material           | Brass                    |