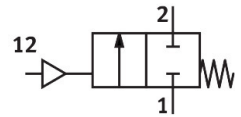


# Angle seat valve VZXF-L-M22C-M-B-G2-450-M1-V4B2T-50-3

FESTO

Part number: 3540146



General operating condition

## 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 G2 to DIN ISO 228                                                                                                                         |
| Nominal size                          | 45 mm                                                                                                                                                       |
| Valve function                        | 2/2-way, closed, monostable                                                                                                                                 |
| Flow direction                        | Non-reversible                                                                                                                                              |
| Medium pressure                       | 0 MPa ... 0.3 MPa                                                                                                                                           |
| Medium pressure                       | 0 bar ... 3 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                                                                                                                                           |
| Operating pressure                    | 6 bar ... 10 bar                                                                                                                                            |
| Operating pressure                    | 87 psi ... 145 psi                                                                                                                                          |
| Symbol                                | 00991367                                                                                                                                                    |
| 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 mm <sup>2</sup> /s                                                                                                                                      |
| Media temperature                     | -40 °C ... 200 °C                                                                                                                                           |
| Ambient temperature                   | -10 °C ... 60 °C                                                                                                                                            |
| Flow rate Kv                          | 19.5 m <sup>3</sup> /h                                                                                                                                      |
| Note on materials                     | RoHS-compliant                                                                                                                                              |
| LABS (PWIS) conformity                | VDMA24364 zone III                                                                                                                                          |
| Material process valve housing        | Stainless steel casting                                                                                                                                     |
| Material number process valve housing | 1.4408                                                                                                                                                      |

| Feature                                      | Value                                              |
|----------------------------------------------|----------------------------------------------------|
| Material spindle seal                        | PTFE                                               |
| Material seat seal                           | PTFE                                               |
| Product weight                               | 3500 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               | 2 - Moderate corrosion stress                      |
| Material drive housing                       | Nickel-plated brass                                |