

# Angle seat valve VZXF-L-M22C-M-A-N2-450-M1-V4V4T-50-4

FESTO

Part number: 1002561



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 2 NPT to ANSI/ASME B 1.20.1                                |
| Nominal size                          | 45 mm                                                                        |
| Valve function                        | 2/2-way, closed, monostable                                                  |
| Flow direction                        | Non-reversible                                                               |
| Medium pressure                       | 0 MPa ... 0.4 MPa                                                            |
| Medium pressure                       | 0 bar ... 4 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>Inert gases<br>Filtered compressed air, grade of filtration 200 µm |
| Direction of flow                     | Above valve seat, for gaseous 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                          | 34.5 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                                                                       |
| Material spindle seal                 | PTFE                                                                         |
| Material seat seal                    | PTFE                                                                         |
| Product weight                        | 3500 g                                                                       |

| Feature                                      | Value                                              |
|----------------------------------------------|----------------------------------------------------|
| 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               | 3 - high corrosion stress                          |
| Material drive housing                       | High-alloy stainless steel                         |