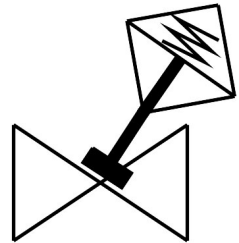


# Angle seat valve VZX A-B-TS6-40-M2-V13T-16-M-90-26-V4

FESTO

Part number: 8060537



 General operating condition

## Data sheet

| Feature                | Value                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structural design      | Poppet valve with diaphragm actuator                                                                                                                 |
| Actuation type         | Pneumatic                                                                                                                                            |
| Mounting position      | Any                                                                                                                                                  |
| Type of mounting       | Line installation                                                                                                                                    |
| Cable connection       | Threaded sleeve G1 1/2 as per DIN ISO 228                                                                                                            |
| Valve function         | 2/2                                                                                                                                                  |
| Flow direction         | Non-reversible                                                                                                                                       |
| Medium pressure        | 0 MPa ... 1.6 MPa                                                                                                                                    |
| Medium pressure        | 0 bar ... 16 bar                                                                                                                                     |
| Reset method           | Mechanical spring                                                                                                                                    |
| Type of control        | Externally controlled                                                                                                                                |
| Pneumatic connection   | Internal thread G1/8                                                                                                                                 |
| Operating pressure     | 0.5 MPa ... 0.7 MPa                                                                                                                                  |
| Operating pressure     | 5 bar ... 7 bar                                                                                                                                      |
| Operating pressure     | 72.5 psi ... 101.5 psi                                                                                                                               |
| Symbol                 | 00995582                                                                                                                                             |
| 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                                                                                                       |
| Control of the medium  | On/off mode                                                                                                                                          |
| 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 ... 180 °C                                                                                                                                    |
| Ambient temperature    | 0 °C ... 60 °C                                                                                                                                       |
| Flow rate Kv           | 49 m <sup>3</sup> /h                                                                                                                                 |
| Use in exterior area   | Weather-protected locations class C1 based on IEC 60654-1                                                                                            |
| Note on materials      | RoHS-compliant                                                                                                                                       |
| LABS (PWIS) conformity | VDMA24364 zone III                                                                                                                                   |
| Valve housing material | Cast stainless steel                                                                                                                                 |

| Feature                                      | Value                                                              |
|----------------------------------------------|--------------------------------------------------------------------|
| Material number, fitting housing             | 1.4409                                                             |
| Seals material                               | NBR                                                                |
| Spindle seal material                        | PTFE                                                               |
| Seat seal material                           | PTFE                                                               |
| Product weight                               | 7790 g                                                             |
| Certification                                | CRN                                                                |
| CE marking (see declaration of conformity)   | as per EU pressure equipment directive                             |
| Explosion prevention and protection          | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| UKCA marking (see declaration of conformity) | according to UK regulations for pressure equipment                 |
| Certificate issuing authority                | German Technical Control Board (TÜV) 968/V 1039.01/20              |
| Safety integrity level (SIL)                 | SIL 2                                                              |
| PFH                                          | 1.36E-7                                                            |
| PFD                                          | 5.95E-4                                                            |
| Actuator size                                | 90 mm                                                              |
| Stroke                                       | 26 mm                                                              |
| Control function                             | Closed by spring force, NC                                         |
| Position sensing                             | With mechanical indicator                                          |
| Drive housing material                       | Cast stainless steel                                               |
| Material number, drive housing               | 1.4408                                                             |
| Storage temperature                          | -10 °C ... 60 °C                                                   |
| Degree of protection                         | IP65<br>IP67                                                       |
| Piston rod material                          | High-alloy stainless steel                                         |
| Cover material                               | Cast stainless steel                                               |