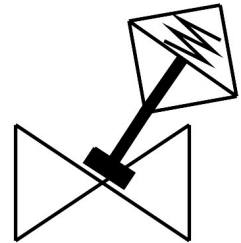


# Angle seat valve VZX A-B-TS6-65-M2-V13T-5.6-M-90-26-V4

Part number: 8060540

FESTO



 General operating condition

## Data sheet

| Feature                        | Value                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design                         | Poppet valve with diaphragm actuator                                                                                                                        |
| Type of actuation              | Pneumatic                                                                                                                                                   |
| Mounting position              | optional                                                                                                                                                    |
| Type of mounting               | In-line installation                                                                                                                                        |
| Line connection                | Threaded coupling G2 1/2 to DIN ISO 228                                                                                                                     |
| Valve function                 | 2/2                                                                                                                                                         |
| Flow direction                 | Non-reversible                                                                                                                                              |
| Medium pressure                | 0 MPa ... 0.56 MPa                                                                                                                                          |
| Medium pressure                | 0 bar ... 5.6 bar                                                                                                                                           |
| Type of reset                  | Mechanical spring                                                                                                                                           |
| Type of piloting               | Externally controlled                                                                                                                                       |
| Pneumatic connection           | Female 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                         | 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                                                                                                              |
| Control of medium              | On/off operation                                                                                                                                            |
| Operating medium               | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                                   |
| Max. viscosity                 | 600 mm <sup>2</sup> /s                                                                                                                                      |
| Media temperature              | -10 °C ... 180 °C                                                                                                                                           |
| Ambient temperature            | 0 °C ... 60 °C                                                                                                                                              |
| Flow rate Kv                   | 77.9 m <sup>3</sup> /h                                                                                                                                      |
| Outdoor applications           | Weather-protected application areas Class C1 based on IEC 60654-1                                                                                           |
| Note on materials              | RoHS-compliant                                                                                                                                              |
| LABS (PWIS) conformity         | VDMA24364 zone III                                                                                                                                          |
| Material process valve housing | Stainless steel casting                                                                                                                                     |

| Feature                                      | Value                                                              |
|----------------------------------------------|--------------------------------------------------------------------|
| Material number process valve housing        | 1.4409                                                             |
| Material seals                               | NBR                                                                |
| Material spindle seal                        | PTFE                                                               |
| Material seat seal                           | PTFE                                                               |
| Product weight                               | 10700 g                                                            |
| Approval                                     | CRN                                                                |
| CE mark (see declaration of conformity)      | In accordance with EU Pressure Equipment Directive                 |
| Explosion protection                         | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| UKCA marking (see declaration of conformity) | to UK Pressure Equipment Regulations                               |
| Certificate issuing authority                | TÜV 968/V 1039.01/20                                               |
| Safety Integrity Level (SIL)                 | SIL 2                                                              |
| Probability of Failure per Hour (PFH)        | 1.36E-7                                                            |
| Probability of Failure on Demand (PFD)       | 5.95E-4                                                            |
| Size of drive                                | 90 mm                                                              |
| Stroke                                       | 26 mm                                                              |
| Control function                             | Closed via spring force, N/C                                       |
| Position detection                           | Via mechanical indicator                                           |
| Material drive housing                       | Stainless steel casting                                            |
| Material number drive housing                | 1.4408                                                             |
| Storage temperature                          | -10 °C ... 60 °C                                                   |
| Degree of protection                         | IP65<br>IP67                                                       |
| Material piston rod                          | High-alloy stainless steel                                         |
| Material cover                               | Stainless steel casting                                            |