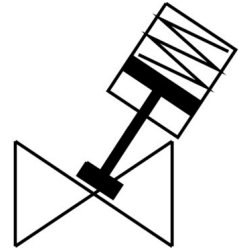


# Angle seat valve VZX-A-TS6-13-M2-V13T-16-K-46-17-PR-V4

FESTO

Part number: 8060513



 General operating condition

## Data sheet

| Feature                          | Value                                                             |
|----------------------------------|-------------------------------------------------------------------|
| Structural design                | Poppet valve with piston actuator                                 |
| Actuation type                   | Pneumatic                                                         |
| Mounting position                | Any                                                               |
| Type of mounting                 | Line installation                                                 |
| Cable connection                 | Threaded sleeve G1/2 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 ... 1 MPa                                                 |
| Operating pressure               | 5 bar ... 10 bar                                                  |
| Operating pressure               | 72.5 psi ... 145 psi                                              |
| Symbol                           | 00995586                                                          |
| Medium                           | Vapor<br>Inert gas<br>Filtered compressed air, 200 µm filter mesh |
| Flow direction                   | Above valve seat, for gaseous 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                     | 6.6 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                                              |
| Material number, fitting housing | 1.4409                                                            |
| Seals material                   | FPM                                                               |
| Spindle seal material            | PTFE                                                              |

| Feature                             | Value                                                              |
|-------------------------------------|--------------------------------------------------------------------|
| Seat seal material                  | PTFE                                                               |
| Product weight                      | 1096 g                                                             |
| Certification                       | CRN                                                                |
| Explosion prevention and protection | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| 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                       | 46 mm                                                              |
| Stroke                              | 17 mm                                                              |
| Control function                    | Closed by reduced 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                                               |