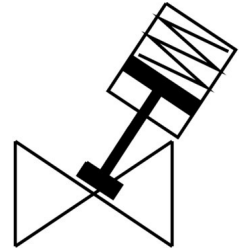


# Angle seat valve VZX A-A-TS6-20-M2-V13T-16-K-75-20-PR-V4

FESTO

Part number: 8060514



[PDF](#) General operating condition

## Data sheet

| Feature                               | Value                                                                        |
|---------------------------------------|------------------------------------------------------------------------------|
| Design                                | Poppet valve with piston drive                                               |
| Type of actuation                     | Pneumatic                                                                    |
| Mounting position                     | optional                                                                     |
| Type of mounting                      | In-line installation                                                         |
| Line connection                       | Threaded coupling G3/4 to DIN ISO 228                                        |
| Valve function                        | 2/2                                                                          |
| Flow direction                        | Non-reversible                                                               |
| Medium pressure                       | 0 MPa ... 1.6 MPa                                                            |
| Medium pressure                       | 0 bar ... 16 bar                                                             |
| Type of reset                         | Mechanical spring                                                            |
| Type of piloting                      | Externally controlled                                                        |
| Pneumatic connection                  | Female 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                                | Vapour<br>Inert gases<br>Filtered compressed air, grade of filtration 200 µm |
| Direction of flow                     | Above valve seat, for gaseous 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                          | 14.5 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                                                      |
| Material number process valve housing | 1.4409                                                                       |
| Material seals                        | FPM                                                                          |
| Material spindle seal                 | PTFE                                                                         |

| Feature                                | Value                                                              |
|----------------------------------------|--------------------------------------------------------------------|
| Material seat seal                     | PTFE                                                               |
| Product weight                         | 3155 g                                                             |
| Approval                               | CRN                                                                |
| Explosion protection                   | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| 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                          | 75 mm                                                              |
| Stroke                                 | 20 mm                                                              |
| Control function                       | Closed via reduced 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                                            |