

# Angle seat valve

## VZXA-A-TS6-20-M2-V13T-16-K-75-20-PR-V4

FESTO

Part number: 8060514



 [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  |