

Angle seat valve

VZXA-B-TS7-1 1/4"-M2-V14T-4.4-K-46-17-V4

FESTO

Part number: 8060547



 [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 1 1/4 NPT to ANSI/ASME B 1.20.1 |
| Valve function | 2/2 |
| Flow direction | Non-reversible |
| Medium pressure | 0 MPa ... 0.44 MPa |
| Medium pressure | 0 bar ... 4.4 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 Mineral oil-based hydraulic fluid Inert gases Mineral oil Water Filtered compressed air, grade of filtration 200 µm 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 ² /s |
| Media temperature | -10 °C ... 180 °C |
| Ambient temperature | 0 °C ... 60 °C |
| Flow rate Kv | 27.9 m ³ /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 | ASTM A351-CF3M |
| Material seals | FPM |
| Material spindle seal | PTFE |
| Material seat seal | PTFE |
| Product weight | 2480 g |
| Approval | CRN |
| Explosion protection | Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) 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 | 46 mm |
| Stroke | 17 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 IP67 |
| Material piston rod | High-alloy stainless steel |
| Material cover | Stainless steel casting |