

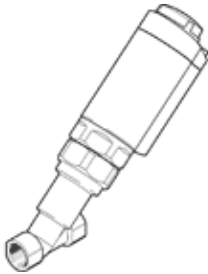
angle seat valve

VZXA-B-TS7-1"-M2-V14T-8.3-K-46-17-V4

Part number: 8060544

FESTO

Modular, pneumatically actuated angle seat valve in stainless steel.
Under seat version, safety position closed, NPT thread, nominal width 1".



Data sheet

| Feature | Value |
|---|--|
| Design structure | Poppet valve with piston actuator |
| Type of actuation | pneumatic |
| Assembly position | Any |
| Mounting type | Line installation |
| Line connection | Threaded coupling 1 NPT to ANSI/ASME B 1.20.1 |
| Valve function | 2/2 |
| Flow direction | non reversible |
| Pressure of medium | 0 ... 0.83 MPa |
| Medium pressure | 0 ... 8.3 bar |
| Type of reset | mechanical spring |
| Type of piloting | With external control |
| Pneumatic connection | Female thread G1/8 |
| Operating pressure MPa | 0.5 ... 1 MPa |
| Operating pressure | 5 ... 10 bar 72.5 ... 145 psi |
| Medium | Vapour Mineral oil-based hydraulic oil Inert gases Mineral oil Water Filtered compressed air, degree of filtration 200 µm Neutral fluids |
| Flow direction | Below valve seat, for gaseous and liquid media |
| Control of the medium | On/off operation |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Max. viscosity | 600 mm ² /s |
| Medium temperature | -10 ... 180 °C |
| Ambient temperature | 0 ... 60 °C |
| Flow rate Kv | 20.3 m ³ /h |
| Outdoor use | C1 - weather protected locations of use |
| Materials note | Conforms to RoHS |
| PWIS conformity | VDMA24364 zone III |
| Material process valve housing | Stainless steel casting |
| Material number, process valve housing | ASTM A351-CF3M |
| Material seals | FPM |
| Material spindle seal | PTFE |
| Material seat seal | PTFE |
| Product weight | 2,150 g |
| Authorisation | CRN |
| Certificate issuing department | TÜV 968/V 1039.01/20 |
| Safety Integrity Level (SIL) | SIL 2 |
| Probability of Failure per Hour in [1/h]. | 1.36E-07 |
| PFD (Probability of Failure on Demand) | 5.95E-04 |

| Feature | Value |
|-----------------------------------|---------------------------------|
| Actuator size | 46 mm |
| Stroke | 17 mm |
| Control function | Closed via spring force, NC |
| Position detection | With mechanical indicator |
| Material drive housing | Stainless steel casting |
| Material number, actuator housing | 1.4408 |
| Storage temperature | -10 ... 60 °C |
| Protection class | IP65 IP67 |
| Material piston rod | High alloy steel, non-corrosive |
| Material cover | Stainless steel casting |