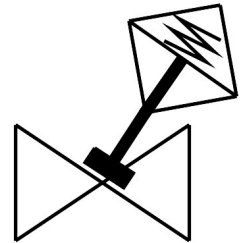


# Angle seat valve

## VZXA-B-TS7-1 1/2"-M2-V14T-16-M-90-26-V4

Part number: 8060551

**FESTO**



## Data sheet

| Feature                | Value                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design                 | Poppet valve with diaphragm actuator                                                                                                                        |
| Type of actuation      | Pneumatic                                                                                                                                                   |
| Mounting position      | optional                                                                                                                                                    |
| Type of mounting       | In-line installation                                                                                                                                        |
| Line connection        | Threaded coupling 1 1/2 NPT to ANSI/ASME B 1.20.1                                                                                                           |
| Valve function         | 2/2                                                                                                                                                         |
| Flow direction         | Non-reversible                                                                                                                                              |
| Medium pressure        | 0 MPa...1.6 MPa<br>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...0.7 MPa<br>5 bar...7 bar<br>72.5 psi...101.5 psi                                                                                                  |
| Medium                 | Vapour<br>Mineral oil-based hydraulic fluid<br>Inert gases<br>Mineral oil<br>Water<br>Filtered compressed air, grade of filtration 200 µm<br>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 mm²/s                                                                                                                                                   |
| Media temperature      | -10 °C...180 °C                                                                                                                                             |
| Ambient temperature    | 0 °C...60 °C                                                                                                                                                |
| Flow rate Kv           | 49 m³/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                                                                                                                                          |

| Feature                                | Value                                                              |
|----------------------------------------|--------------------------------------------------------------------|
| Material process valve housing         | Stainless steel casting                                            |
| Material number process valve housing  | ASTM A351-CF3M                                                     |
| Material seals                         | NBR                                                                |
| Material spindle seal                  | PTFE                                                               |
| Material seat seal                     | PTFE                                                               |
| Product weight                         | 7790 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-07                                                           |
| Probability of Failure on Demand (PFD) | 0.000595                                                           |
| Size of drive                          | 90 mm                                                              |
| Stroke                                 | 26 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<br>IP67                                                       |
| Material piston rod                    | High-alloy stainless steel                                         |
| Material cover                         | Stainless steel casting                                            |