

# Angle seat valve

## VZX A-B-TS6-50-M2-B1T-5.6-K-75-20-PM

Part number: 8111597

**FESTO**



## Data sheet

| Feature                | Value                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structural design      | Poppet valve with piston actuator                                                                                                                    |
| Actuation type         | Pneumatic                                                                                                                                            |
| Mounting position      | Any                                                                                                                                                  |
| Type of mounting       | In-line installation                                                                                                                                 |
| Cable connection       | Threaded sleeve G2 as per DIN ISO 228                                                                                                                |
| Valve function         | 2/2                                                                                                                                                  |
| Flow direction         | Non-reversible<br>Under valve seat, for gaseous and liquid media                                                                                     |
| Medium pressure        | 0 MPa...0.56 MPa<br>0 bar...5.6 bar                                                                                                                  |
| Reset method           | Mechanical spring                                                                                                                                    |
| Type of control        | Externally controlled                                                                                                                                |
| Pneumatic connection   | Internal thread G1/8                                                                                                                                 |
| Operating pressure     | 0.5 MPa...0.7 MPa<br>5 bar...7 bar<br>72.5 psi...101.5 psi                                                                                           |
| Medium                 | Vapor<br>Hydraulic fluid based on mineral oil<br>Inert gas<br>Mineral oil<br>Water<br>Filtered compressed air, 200 µm filter mesh<br>Neutral liquids |
| Control of the medium  | On/off operation                                                                                                                                     |
| Operating medium       | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                                        |
| Max. viscosity         | 600 mm²/s                                                                                                                                            |
| Temperature of medium  | -10 °C...180 °C                                                                                                                                      |
| Ambient temperature    | 0 °C...60 °C                                                                                                                                         |
| Flow rate Kv           | 38.8 m³/h                                                                                                                                            |
| Use in exterior area   | Weather-protected locations class C1 based on IEC 60654-1                                                                                            |
| Note on materials      | RoHS compliant                                                                                                                                       |
| LABS (PWIS) conformity | VDMA24364 Zone III                                                                                                                                   |

| Feature                                      | Value                                              |
|----------------------------------------------|----------------------------------------------------|
| Valve housing material                       | Brass                                              |
| Material number, fitting housing             | CW724R                                             |
| Seals material                               | FPM                                                |
| Spindle seal material                        | PTFE                                               |
| Seat seal material                           | PTFE                                               |
| Product weight                               | 4754 g                                             |
| CE marking (see declaration of conformity)   | as per EU pressure equipment directive             |
| UKCA marking (see declaration of conformity) | according to UK regulations for pressure equipment |
| Actuator size                                | 75 mm                                              |
| Stroke                                       | 20 mm                                              |
| Control function                             | Closed by spring force, NC                         |
| Position sensing                             | With mechanical indicator                          |
| Drive housing material                       | PA-reinforced                                      |
| Storage temperature                          | -10 °C...60 °C                                     |
| Degree of protection                         | IP65<br>IP67                                       |
| Piston rod material                          | high-alloy stainless steel                         |
| Cover material                               | PA-reinforced                                      |