

# Angle seat valve VZX-A-B-TS7-1 1/4"-M2-B1T-13.5-K-75-20-PM

FESTO

Part number: 8111610



[PDF](#) 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 ... 1.35 MPa                                                                                                                                          |
| Medium pressure                | 0 bar ... 13.5 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                                                                                                                                         |
| Operating pressure             | 5 bar ... 7 bar                                                                                                                                             |
| Operating pressure             | 72.5 psi ... 101.5 psi                                                                                                                                      |
| Symbol                         | 00995586                                                                                                                                                    |
| 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 mm <sup>2</sup> /s                                                                                                                                      |
| Media temperature              | -10 °C ... 180 °C                                                                                                                                           |
| Ambient temperature            | 0 °C ... 60 °C                                                                                                                                              |
| Flow rate Kv                   | 24.4 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 | Brass                                                                                                                                                       |

| Feature                               | Value                        |
|---------------------------------------|------------------------------|
| Material number process valve housing | CW724R                       |
| Material seals                        | FPM                          |
| Material spindle seal                 | PTFE                         |
| Material seat seal                    | PTFE                         |
| Product weight                        | 3128 g                       |
| Size of drive                         | 75 mm                        |
| Stroke                                | 20 mm                        |
| Control function                      | Closed via spring force, N/C |
| Position detection                    | Via mechanical indicator     |
| Material drive housing                | PA-reinforced                |
| Storage temperature                   | -10 °C ... 60 °C             |
| Degree of protection                  | IP65<br>IP67                 |
| Material piston rod                   | High-alloy stainless steel   |
| Material cover                        | PA-reinforced                |