

**Ball valve**  
**VZBD-11/2-W3-16-T-2-F0507-V14V14**  
 Part number: 4783599

**FESTO**



[PDF](#) General operating condition

**Data sheet**

| Feature                                                                       | Value                                                                                        |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Design                                                                        | 2-way ball valve                                                                             |
| Type of actuation                                                             | Mechanical                                                                                   |
| Sealing principle                                                             | Soft                                                                                         |
| Mounting position                                                             | optional                                                                                     |
| Type of mounting                                                              | In-line installation                                                                         |
| Connection Process valve                                                      | Weld-on end to ISO 1127                                                                      |
| Switching position indicator                                                  | Slot direction = flow direction                                                              |
| Flange hole pattern                                                           | F0507                                                                                        |
| Inside diameter                                                               | 44.3 mm                                                                                      |
| Nominal size DN                                                               | 40                                                                                           |
| Valve function                                                                | 2/2                                                                                          |
| Flow direction                                                                | Reversible                                                                                   |
| Nominal pressure PN                                                           | 16                                                                                           |
| Breakaway torque at differential pressure, nominal pressure, process valve PN | 30 Nm                                                                                        |
| Based on standard                                                             | ISO 1127<br>ISO 5211                                                                         |
| Symbol                                                                        | 00991458                                                                                     |
| Medium                                                                        | Vapour<br>Compressed air to ISO 8573-1:2010 [-:~:]<br>Inert gases<br>Water<br>Neutral fluids |
| Media temperature                                                             | -20 °C ... 200 °C                                                                            |
| Flow rate Kv                                                                  | 313 m³/h                                                                                     |
| Note on materials                                                             | RoHS-compliant                                                                               |
| LABS (PWIS) conformity                                                        | VDMA24364 zone III                                                                           |
| Suitable for use with food                                                    | See supplementary material information                                                       |
| Material housing                                                              | Stainless steel casting                                                                      |
| Material number housing                                                       | 1.4409                                                                                       |
| Material seat seal                                                            | PTFE, modified                                                                               |
| Material seals                                                                | FPM<br>PTFE                                                                                  |

| Feature                                 | Value                                                              |
|-----------------------------------------|--------------------------------------------------------------------|
| Material ball                           | Stainless steel casting                                            |
| Material number ball                    | 1.4409                                                             |
| Material shaft                          | High-alloy stainless steel                                         |
| Material number shaft                   | 1.4401                                                             |
| Product weight                          | 3270 g                                                             |
| Approval                                | 3-A sanitary<br>CRN                                                |
| CE mark (see declaration of conformity) | In accordance with EU Pressure Equipment Directive                 |
| Explosion protection                    | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Corrosion resistance class CRC          | 4 - Very high corrosion stress                                     |