

# Ball valve VZBD-4-W1-16-T-2-F1012-V14V14

Part number: 4762854

FESTO



 [General operating condition](#)

## Data sheet

| Feature                       | Value                           |
|-------------------------------|---------------------------------|
| Structural design             | 2-way ball valve                |
| Actuation type                | Mechanical                      |
| Sealing principle             | Soft                            |
| Mounting position             | Any                             |
| Type of mounting              | Line installation               |
| Fitting connection            | Weld-on end as per ASME-BPE     |
| Switching position indication | Slot direction = flow direction |
| Flange hole pattern           | F1012                           |
| Inside diameter               | 97.5 mm                         |
| Nominal width DN              | 100                             |
| Valve function                | 2/2                             |
| Flow direction                | Reversible                      |

| Feature   | Value  |
|---|--|
| Nominal pressure of fitting PN  | 16   |
| Breakaway torque at differential pressure, nominal pressure, fitting PN | 170 Nm   |
| Based on norm   | ASME BPE<br>ISO 5211   |
| Symbol  | 00991458   |
| Medium  | Vapor<br>Compressed air as per ISO 8573-1:2010 [:-:-]<br>Inert gas<br>Water<br>Neutral liquids |
| Temperature of medium   | -20 °C ... 200 °C  |
| Flow rate Kv  | 1641 m <sup>3</sup> /h   |
| Note on materials   | RoHS-compliant   |
| LABS (PWIS) conformity  | VDMA24364 zone III   |
| For use in the food industry  | See supplementary material information   |
| Housing material  | Cast stainless steel   |
| Material number of housing  | 1.4409   |
| Seat seal material  | PTFE, modified   |
| Seals material  | FPM<br>PTFE  |
| Ball material   | Cast stainless steel   |
| Material number for ball  | 1.4409   |
| Shaft material  | High-alloy stainless steel   |
| Material number for shaft   | 1.4401   |
| Product weight  | 16180 g  |
| Certification   | 3-A sanitary<br>CRN  |
| CE marking (see declaration of conformity)                              | as per EU pressure equipment directive   |
| Explosion prevention and protection                                     | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX)                             |
| Corrosion resistance class (CRC)  | 4 - Particularly high corrosion stress   |