

**Ball valve**  
**VZBD-3-W1-16-T-2-F0710-V14V14**  
 Part number: 4762853

**FESTO**



**Data sheet**

| Feature                                                                 | Value                                                                                           |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Structural design                                                       | 2-way ball valve                                                                                |
| Actuation type                                                          | Mechanical                                                                                      |
| Sealing principle                                                       | Soft                                                                                            |
| Mounting position                                                       | Any                                                                                             |
| Type of mounting                                                        | In-line installation                                                                            |
| Fitting connection                                                      | Weld-on according to ASME-BPE                                                                   |
| Switching position indication                                           | Slot direction = flow direction                                                                 |
| Flange hole pattern                                                     | F0710                                                                                           |
| Inside diameter                                                         | 72.9 mm                                                                                         |
| Nominal width DN                                                        | 80                                                                                              |
| Valve function                                                          | 2/2                                                                                             |
| Flow direction                                                          | Reversible                                                                                      |
| Nominal pressure of fitting PN                                          | 16                                                                                              |
| Breakaway torque at differential pressure, nominal pressure, fitting PN | 140 Nm                                                                                          |
| Based on norm                                                           | ASME BPE<br>ISO 5211                                                                            |
| 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                                                            | 917 m³/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                                                                            |

| Feature                                    | Value                                                              |
|--------------------------------------------|--------------------------------------------------------------------|
| 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                             | 9080 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                             |