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

Part number: 4762854





## 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 | F1012 |
| Inside diameter | 97.5 mm |
| Nominal width DN | 100 |
| Valve function | 2/2 |
| Flow direction | Reversible |
| 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 |
| 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 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 | 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 |