# Ball valve
# VZBF-1/2-P2-40-D-B1-2-F04-M-V4V4

Part number: 8247177





## Data sheet

| Feature | Value |
|---|---|
| Design | 2-way ball valve |
| Type of actuation | Mechanical |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of mounting | Inline installation |
| Connection Process valve | Flange to EN 1092-1 |
| Switching position indicator | Slot direction = flow direction |
| Flange hole pattern | F04 |
| Inside diameter | 15 mm |
| Nominal size DN | 15 |
| Valve function | 2/2 |
| Manual override | Yes |
| Flow direction | Reversible |
| Nominal pressure PN | 40 |
| Actuating torque with pressure difference relative to nominal valve pressure | 5 Nm |
| Breakaway torque at differential pressure, nominal pressure, process valve PN | 8 Nm |
| Based on standard | EN 1092-1<br>EN 558<br>ISO 5211 |
| Medium | Compressed air to ISO 8573-1:2010 [-:-:-]<br>Inert gases<br>Water – no steam<br>Neutral fluids |
| Media temperature | -30 °C...180 °C |
| Flow rate Kv | 19 m³/h |

| Feature | Value |
|---|---|
| Note on materials | RoHS compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Material housing | Cast stainless steel |
| Material number housing | 1,4408 |
| Material seat seal | PTFE, modified |
| Material seals | Fluoro rubber<br>PTFE<br>PTFE-reinforced |
| Material ball | Cast stainless steel |
| Material number ball | 1,4408 |
| Material shaft | High-alloy stainless steel |
| Material number shaft | 1,4401 |
| Product weight | 2200 g |
| Approval | See certificates |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| Explosion protection | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| ATEX category dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T6...T3 Gb |
| Explosion ignition protection type for dust | Ex h IIIC T125°C Db |
| Explosion ambient temperature | -20°C <= Ta <= +60°C |
| Corrosion resistance class CRC | 4 - Very high corrosion stress |