

# Ball valve unit VZBA-A-2-GGG-63-32T-F0507-V4V4T-PA80

Part number: 8191868

**FESTO**



## Data sheet

| Feature                                                                 | Value                                                                                                                                 |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Structural design                                                       | 3-way ball valve<br>Quarter turn actuator                                                                                             |
| Actuation type                                                          | Pneumatic                                                                                                                             |
| Sealing principle                                                       | Soft                                                                                                                                  |
| Mounting position                                                       | Any                                                                                                                                   |
| Type of mounting                                                        | Line installation                                                                                                                     |
| Fitting connection                                                      | Rp2                                                                                                                                   |
| Switching position indication                                           | Slot direction = flow direction                                                                                                       |
| Flange hole pattern                                                     | F0507                                                                                                                                 |
| Nominal width DN                                                        | 50                                                                                                                                    |
| Valve function                                                          | 3/2                                                                                                                                   |
| Flow direction                                                          | Reversible                                                                                                                            |
| Operating pressure                                                      | 0.55 MPa...0.8 MPa<br>5.5 bar...8 bar<br>79.75 psi...116 psi                                                                          |
| Nominal pressure of fitting PN                                          | 63                                                                                                                                    |
| Breakaway torque at differential pressure, nominal pressure, fitting PN | 68 Nm                                                                                                                                 |
| Based on norm                                                           | EN 10226-1<br>ISO 5211                                                                                                                |
| Medium                                                                  | Compressed air as per ISO 8573-1:2010 [-:~:]<br>Inert gas<br>Water – no water vapor<br>Neutral liquids<br>Other flow media on request |
| Operating medium                                                        | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                                         |
| Information on operating and pilot media                                | Operation with oil lubrication possible (required for further use)                                                                    |
| Temperature of medium                                                   | -10 °C...200 °C                                                                                                                       |
| Flow rate Kv type T corner                                              | 48.8 m³/h                                                                                                                             |
| Flow rate Kv type T straight                                            | 100 m³/h                                                                                                                              |
| Max. surface temperature of assembly                                    | +105°C...+280°C<br>T4...T2                                                                                                            |
| Explosion group of assembly                                             | IIC, IIIC                                                                                                                             |

| Feature                             | Value                                                              |
|-------------------------------------|--------------------------------------------------------------------|
| Note on materials                   | RoHS-compliant                                                     |
| LABS (PWIS) conformity              | VDMA24364 zone III                                                 |
| Housing material                    | High-alloy stainless steel                                         |
| Material number of housing          | 1.4408                                                             |
| Seat seal material                  | PTFE                                                               |
| Seals material                      | PTFE-reinforced                                                    |
| Ball material                       | High-alloy stainless steel                                         |
| Material number for ball            | 1.4408                                                             |
| Shaft material                      | High-alloy stainless steel                                         |
| Material number for shaft           | 1.4401                                                             |
| Product weight                      | 11740 g                                                            |
| Explosion prevention and protection | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Explosive ambient temperature       | -10°C ≤ Ta ≤ +80°C                                                 |
| Corrosion resistance class (CRC)    | 1 - Low corrosion stress                                           |