

# Ball valve unit VZBA-A-1/4-WW-63-T-22-F0304-V4V4T-PB20

Part number: 8191834

**FESTO**



 General operating condition

## Data sheet

| Feature                                                                       | Value                                                                                                                   |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Design                                                                        | 2-way ball valve<br>Quarter turn actuator                                                                               |
| Type of actuation                                                             | Pneumatic                                                                                                               |
| Sealing principle                                                             | Soft                                                                                                                    |
| Mounting position                                                             | Any                                                                                                                     |
| Type of mounting                                                              | Inline installation                                                                                                     |
| Connection Process valve                                                      | Weld-on ends/weld-on ends                                                                                               |
| Switching position indicator                                                  | Slot direction = flow direction                                                                                         |
| Flange hole pattern                                                           | F0304                                                                                                                   |
| Nominal size DN                                                               | 8                                                                                                                       |
| Valve function                                                                | 2/2                                                                                                                     |
| Flow direction                                                                | Reversible                                                                                                              |
| Operating pressure                                                            | 0.55 MPa ... 0.8 MPa                                                                                                    |
| Operating pressure                                                            | 5.5 bar ... 8 bar                                                                                                       |
| Operating pressure                                                            | 79.75 psi ... 116 psi                                                                                                   |
| Nominal pressure PN                                                           | 63                                                                                                                      |
| Breakaway torque at differential pressure, nominal pressure, process valve PN | 6 Nm                                                                                                                    |
| Based on standard                                                             | ISO 5211                                                                                                                |
| Symbol                                                                        | 00992011                                                                                                                |
| Medium                                                                        | Compressed air to ISO 8573-1:2010 [-:~:]<br>Inert gases<br>Water – no steam<br>Neutral fluids<br>Other media on request |
| Operating medium                                                              | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                               |
| Note on operating and pilot medium                                            | Lubricated operation possible (in which case lubricated operation will always be required)                              |
| Media temperature                                                             | -10 °C ... 200 °C                                                                                                       |
| Flow rate Kv                                                                  | 7 m³/h                                                                                                                  |
| Max. surface temperature assembly                                             | +105°C...+280°C<br>T4...T2                                                                                              |
| explosion group assembly                                                      | IIC, IIIC                                                                                                               |
| Note on materials                                                             | RoHS compliant                                                                                                          |
| LABS (PWIS) conformity                                                        | VDMA24364 zone III                                                                                                      |
| Material housing                                                              | High-alloy stainless steel                                                                                              |

| Feature                        | Value                                                              |
|--------------------------------|--------------------------------------------------------------------|
| Material number housing        | 1,4408                                                             |
| Material seat seal             | PTFE                                                               |
| Material seals                 | PTFE-reinforced                                                    |
| Material ball                  | High-alloy stainless steel                                         |
| Material number ball           | 1,4408                                                             |
| Material shaft                 | High-alloy stainless steel                                         |
| Material number shaft          | 1,4401                                                             |
| Product weight                 | 2140 g                                                             |
| Explosion protection           | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Explosion ambient temperature  | -10°C ≤ Ta ≤ +80°C                                                 |
| Corrosion resistance class CRC | 1 - Low corrosion stress                                           |