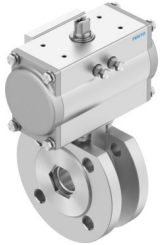


# Ball valve unit VZBC-A-100-FF-16-22-F0710-V4V4T-PA240

Part number: 8191885

**FESTO**



## Data sheet

| Feature                                                                       | Value                                                                                                                          |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Design                                                                        | 2-way ball valve<br>Semi-rotary drive                                                                                          |
| Type of actuation                                                             | Pneumatic                                                                                                                      |
| Sealing principle                                                             | Soft                                                                                                                           |
| Mounting position                                                             | optional                                                                                                                       |
| Type of mounting                                                              | In-line installation                                                                                                           |
| Connection Process valve                                                      | Flange according to EN 1092-1                                                                                                  |
| Switching position indicator                                                  | Slot direction = flow direction                                                                                                |
| Flange hole pattern                                                           | F0710                                                                                                                          |
| Nominal size DN                                                               | 100                                                                                                                            |
| Valve function                                                                | 2/2                                                                                                                            |
| 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 PN                                                           | 16                                                                                                                             |
| Breakaway torque at differential pressure, nominal pressure, process valve PN | 148 Nm                                                                                                                         |
| Based on standard                                                             | EN 1092-1<br>ISO 5211                                                                                                          |
| Medium                                                                        | Compressed air to ISO 8573-1:2010 [:-:-]<br>Inert gases<br>Water – no water vapour<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                                                                  | 1414 m³/h                                                                                                                      |
| Max. surface temperature assembly                                             | +105 °C...+280 °C<br>T4...T2                                                                                                   |
| explosion group assembly                                                      | IIC, IIIC                                                                                                                      |

| Feature                        | Value                                                              |
|--------------------------------|--------------------------------------------------------------------|
| Note on materials              | RoHS-compliant                                                     |
| LABS (PWIS) conformity         | VDMA24364 zone III                                                 |
| Material housing               | High-alloy stainless steel                                         |
| 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                 | 27570 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                                           |