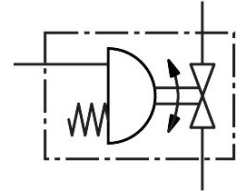
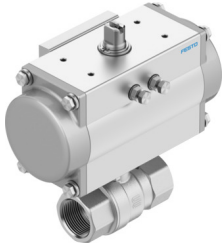


# Ball valve unit VAPB-A-1 1/4-F-40-F0405-PB80

Part number: 8191931

**FESTO**



 General operating condition

## 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                                                      | Rp1 1/4                                                                                                                        |
| Switching position indicator                                                  | Slot direction = flow direction                                                                                                |
| Flange hole pattern                                                           | F0405                                                                                                                          |
| Nominal size DN                                                               | 32                                                                                                                             |
| 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                                                           | 40                                                                                                                             |
| Breakaway torque at differential pressure, nominal pressure, process valve PN | 15 Nm                                                                                                                          |
| Based on standard                                                             | EN 10226-1                                                                                                                     |
| Symbol                                                                        | 00992011                                                                                                                       |
| 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                                                                  | 121 m³/h                                                                                                                       |
| Note on materials                                                             | RoHS-compliant                                                                                                                 |
| LABS (PWIS) conformity                                                        | VDMA24364 zone III                                                                                                             |
| Material housing                                                              | Brass, nickel-plated                                                                                                           |
| Material number housing                                                       | 2.0402<br>CW617N                                                                                                               |
| Material seat seal                                                            | PTFE                                                                                                                           |

| Feature                        | Value                       |
|--------------------------------|-----------------------------|
| Material seals                 | HNBR<br>PTFE                |
| Material ball                  | Brass<br>Hard-chrome-plated |
| Material number ball           | 2.0402<br>CW617N            |
| Material shaft                 | Brass                       |
| Material number shaft          | 2.0401<br>CW614N            |
| Product weight                 | 5390 g                      |
| Corrosion resistance class CRC | 1 - Low corrosion stress    |