

# Ball valve

## VZBM-1/4-RP-50-D-2-M-B2B3

Part number: 4405684

**FESTO**



## Data sheet

[PDF](#) General operating condition

| Feature                                                                    | Value                                                                                                  |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Structural design                                                          | 2-way ball valve                                                                                       |
| Actuation type                                                             | Mechanical                                                                                             |
| Sealing principle                                                          | Soft                                                                                                   |
| Mounting position                                                          | Any                                                                                                    |
| Type of mounting                                                           | Line installation                                                                                      |
| Fitting connection                                                         | Rp1/4                                                                                                  |
| Switching position indication                                              | Slot direction = flow direction                                                                        |
| Inside diameter                                                            | 10 mm                                                                                                  |
| Nominal width DN                                                           | 8                                                                                                      |
| Valve function                                                             | 2/2                                                                                                    |
| Flow direction                                                             | Reversible                                                                                             |
| Nominal pressure of fitting PN                                             | 50                                                                                                     |
| Actuating torque at differential pressure, nominal pressure, process valve | 7.5 Nm                                                                                                 |
| Based on norm                                                              | EN 10226-1                                                                                             |
| Symbol                                                                     | 00991458                                                                                               |
| Medium                                                                     | Compressed air as per ISO 8573-1:2010 [-:~:]<br>Inert gas<br>Water – no water vapor<br>Neutral liquids |
| Temperature of medium                                                      | -15 °C ... 120 °C                                                                                      |
| Flow rate Kv                                                               | 6 m³/h                                                                                                 |
| Note on materials                                                          | RoHS-compliant                                                                                         |
| LABS (PWIS) conformity                                                     | VDMA24364 zone III                                                                                     |
| Housing material                                                           | Nickel-plated                                                                                          |
| Material number of housing                                                 | CW617N                                                                                                 |
| Seals material                                                             | NBR<br>PTFE                                                                                            |
| Ball material                                                              | Brass<br>Chrome-plated                                                                                 |

| Feature                                    | Value                                  |
|--------------------------------------------|----------------------------------------|
| Material number for ball                   | CW617N                                 |
| Shaft material                             | Brass                                  |
| Material number for shaft                  | CW617N                                 |
| Product weight                             | 130 g                                  |
| Certification                              | DVGW Gas<br>DVGW Water                 |
| CE marking (see declaration of conformity) | as per EU pressure equipment directive |
| Corrosion resistance class (CRC)           | 1 - Low corrosion stress               |