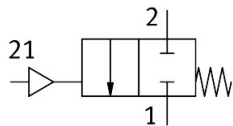
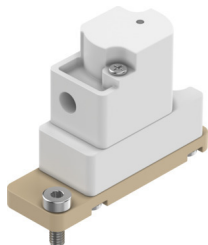


# Media separated pneumatic valve VZDB-F10-M22C-16-M3-PF

Part number: 8122797

**FESTO**



## Data sheet

| Feature                            | Value                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------|
| Design                             | Rocker valve with diaphragm seal                                                                    |
| Type of actuation                  | Pneumatic                                                                                           |
| Sealing principle                  | Soft                                                                                                |
| Mounting position                  | optional                                                                                            |
| Type of mounting                   | Via through-hole for M2 screw                                                                       |
| Connection Process valve           | Male thread/male thread                                                                             |
| Size                               | 10                                                                                                  |
| Nominal size                       | 1.6 mm                                                                                              |
| Valve function                     | 2/2-way, closed, monostable                                                                         |
| Manual override                    | None                                                                                                |
| Flow direction                     | Non-reversible                                                                                      |
| Operating pressure                 | -0.075 MPa...0.1 MPa<br>-0.75 bar...1 bar<br>-10.875 psi...14.5 psi                                 |
| Exhaust-air function               | With flow control option                                                                            |
| Type of reset                      | Mechanical spring                                                                                   |
| Type of piloting                   | Pilot actuated                                                                                      |
| Pilot air port 21                  | M3                                                                                                  |
| Fluid connection                   | Flange                                                                                              |
| Pilot pressure                     | 0.15 MPa...0.3 MPa<br>1.5 bar...3 bar<br>21.75 psi...43.5 psi                                       |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:1]                                                           |
| Operating medium                   | Liquid media<br>Gaseous media                                                                       |
| Note on operating and pilot medium | Observe resistance of materials that come into contact with the media<br>Maximum particle size 5 µm |
| Internal volume                    | 35 µl                                                                                               |
| Media temperature                  | 0 °C...50 °C                                                                                        |
| Ambient temperature                | 0 °C...50 °C                                                                                        |
| Storage temperature                | -20 °C...70 °C                                                                                      |
| Flow rate Kv                       | 0.034 m³/h                                                                                          |
| Note on materials                  | RoHS-compliant                                                                                      |

| Feature                        | Value                   |
|--------------------------------|-------------------------|
| LABS (PWIS) conformity         | VDMA24364 zone III      |
| Material housing               | PEEK                    |
| Material seals                 | FFPM                    |
| Product weight                 | 7 g                     |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Max. switching frequency       | 2 Hz                    |