

# One-way flow control valve VFOE-LS-T-R18-Q4

Part number: 8068750

**FESTO**



## Data sheet

| Feature                                                                       | Value                                                                                                                      |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Valve function                                                                | Supply air one-way flow control function                                                                                   |
| Pneumatic connection, port 1                                                  | QS-4                                                                                                                       |
| Pneumatic connection, port 2                                                  | R1/8                                                                                                                       |
| Type of actuation                                                             | Manual                                                                                                                     |
| Adjustment component                                                          | Rotary knob with detent                                                                                                    |
| Type of mounting                                                              | Screw-in                                                                                                                   |
| Standard nominal flow rate in flow control direction                          | 165 l/min                                                                                                                  |
| Standard nominal flow rate in blocked direction                               | 90 l/min...165 l/min                                                                                                       |
| Ambient temperature                                                           | -10 °C...60 °C                                                                                                             |
| Material housing                                                              | PBT                                                                                                                        |
| Explosion protection                                                          | The information in the certificate must be observed!<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Mounting position                                                             | optional                                                                                                                   |
| Width across flats                                                            | 13 mm                                                                                                                      |
| Rotatability                                                                  | 360°/no continuous swivelling permissible                                                                                  |
| Operating pressure complete temperature range                                 | 0.02 MPa...1 MPa<br>0.2 bar...10 bar<br>2.9 psi...145 psi                                                                  |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 260 l/min                                                                                                                  |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)   | 240 l/min...300 l/min                                                                                                      |
| 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)                                 |
| LABS (PWIS) conformity                                                        | VDMA24364 zone III                                                                                                         |

| Feature                | Value                            |
|------------------------|----------------------------------|
| Cleanroom class        | Class 4 according to ISO 14644-1 |
| Media temperature      | -10 °C...60 °C                   |
| Product weight         | 9.5 g                            |
| Note on materials      | RoHS-compliant                   |
| Material cover         | PBT                              |
| Material dynamic seals | HNBR                             |
| Material threaded bolt | Galvanised steel                 |
| Material release ring  | PBT                              |
| Material static seals  | NBR                              |