

# One-way flow control valve VFOE-LS-T-G18-Q8

Part number: 8068749

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                  | Value                                                                                                            |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Valve function                                           | Supply air flow control non-return function                                                                      |
| Pneumatic connection 1                                   | QS-8                                                                                                             |
| Pneumatic connection 2                                   | G1/8                                                                                                             |
| Actuation type                                           | Manual                                                                                                           |
| Adjusting element                                        | Rotary knob with detent                                                                                          |
| Type of mounting                                         | Screw-in                                                                                                         |
| Standard nominal flow rate in flow control direction     | 170 l/min                                                                                                        |
| Standard nominal flow rate in non-return direction       | 130 l/min ... 200 l/min                                                                                          |
| Ambient temperature                                      | -10 °C ... 60 °C                                                                                                 |
| Housing material                                         | PBT                                                                                                              |
| Explosion prevention and protection                      | Observe the information on the certificate<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Mounting position                                        | Any                                                                                                              |
| Symbol                                                   | 00991453                                                                                                         |
| Width across flats                                       | 13 mm                                                                                                            |
| Rotatability                                             | 360 deg/continuous swiveling not permissible                                                                     |
| Operating pressure for entire temperature range          | 0.02 MPa ... 1 MPa                                                                                               |
| Operating pressure for entire temperature range          | 0.2 bar ... 10 bar                                                                                               |
| Operating pressure for entire temperature range          | 2.9 psi ... 145 psi                                                                                              |
| Standard flow rate in flow control direction 6 -> 0 bar  | 270 l/min                                                                                                        |
| Standard flow rate in non-return direction at 6 -> 0 bar | 320 l/min ... 390 l/min                                                                                          |
| Operating medium                                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                    |
| Information on operating and pilot media                 | Operation with oil lubrication possible (required for further use)                                               |
| LABS (PWIS) conformity                                   | VDMA24364 zone III                                                                                               |
| Cleanroom class                                          | Class 4 according to ISO 14644-1                                                                                 |
| Temperature of medium                                    | -10 °C ... 60 °C                                                                                                 |
| Max. tightening torque                                   | 6 Nm                                                                                                             |

| Feature                                 | Value             |
|-----------------------------------------|-------------------|
| Nominal tightening torque               | 5 Nm              |
| Tolerance for nominal tightening torque | ± 20%             |
| Product weight                          | 9.5 g             |
| Note on materials                       | RoHS-compliant    |
| Cover material                          | PBT               |
| Material of dynamic seals               | HNBR              |
| Threaded bolt material                  | Steel, galvanized |
| Releasing ring material                 | PBT               |
| Static seal material                    | NBR               |