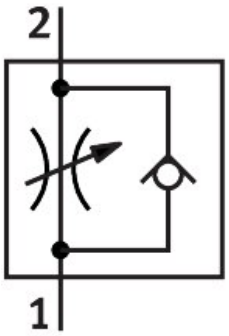
# One-way flow control valve
# VFOE-LS-T-G18-Q4

Part number: 8068747






## Data sheet

| Feature | Value |
|---|---|
| Valve function | Supply air flow control non-return function |
| Pneumatic connection 1 | QS-4 |
| Pneumatic connection 2 | G1/8 |
| Actuation type | Manual |
| Adjusting element | Rotary knob with latch |
| Type of mounting | Screw-in |
| Standard nominal flow rate in flow control direction | 165 l/min |
| Standard nominal flow rate in non-return direction | 90 l/min...165 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 |
| Width across flats | 13 mm |
| Rotatability | 360 deg/continuous swiveling not permissible |
| Operating pressure for entire 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 6 -> 0 bar | 260 l/min |
| Standard flow rate in non-return direction at 6 -> 0 bar | 240 l/min...300 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 suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |
| Temperature of medium | -10 °C...60 °C |

| Feature | Value |
|---|---|
| Max. tightening torque | 6 Nm |
| 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 | Galvanized steel |
| Releasing ring material | PBT |
| Static seal material | NBR |