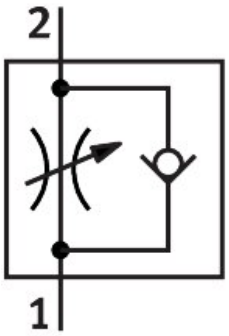
# One-way flow control valve
# VFOE-LE-T-G38-Q10-F1A

Part number: 8224001






## Data sheet

| Feature | Value |
|---|---|
| Valve function | Exhaust air one-way flow control function |
| Pneumatic connection, port 1 | QS-10 |
| Pneumatic connection, port 2 | G3/8 |
| Type of actuation | Manual |
| Adjustment component | Rotary knob with latch |
| Type of mounting | Screw-in |
| Standard nominal flow rate in flow control direction | 750 l/min |
| Standard nominal flow rate in blocked direction | 700 l/min...1000 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 | Any |
| Width across flats | 21 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) | 1280 l/min |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 1400 l/min...1600 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 |
|---|---|
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |
| Media temperature | -10 °C...60 °C |
| Max. tightening torque | 15.6 Nm |
| Nominal torque | 13 Nm |
| Tolerance for nominal tightening torque | ±20% |
| Product weight | 29.5 g |
| Note on materials | RoHS compliant |
| Material cover | PBT |
| Material dynamic seals | HNBR |
| Material threaded bolt | Steel, chemically nickel-plated |
| Material release ring | PBT |
| Material static seals | NBR |