

# One-way flow control valve VFOE-LE-T-R38-Q10-F1A

Part number: 8157633

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | Exhaust air one-way flow control function  |
| Pneumatic connection, port 1  | QS-10  |
| Pneumatic connection, port 2  | R3/8   |
| 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  |
| Symbol  | 00991452   |
| Width across flats  | 21 mm  |
| Rotatability  | 360°/no continuous swivelling permissible  |
| Variants  | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Operating pressure complete temperature range                                 | 0.02 MPa ... 1 MPa   |
| Operating pressure complete temperature range                                 | 0.2 bar ... 10 bar   |
| Operating pressure complete temperature range                                 | 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]  |

| <b>Feature</b>  | <b>Value</b>   |
|---|--|
| Note on operating and pilot medium                        | Lubricated operation possible (in which case lubricated operation will always be required) |
| LABS (PWIS) conformity                                    | VDMA24364 zone III   |
| 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   |
| 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  |