

One-way flow control valve VFOE-LE-T-R18-Q6-F1A

Part number: 8157639

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Valve function | Exhaust air one-way flow control function |
| Pneumatic connection, port 1 | QS-6 |
| 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 | 110 l/min ... 200 l/min |
| Ambient temperature | -10 °C ... 60 °C |
| Material housing | PBT |
| Explosion protection | The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Mounting position | optional |
| Symbol | 00991452 |
| Width across flats | 13 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) | 280 l/min |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 300 l/min ... 360 l/min |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

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|---|--|
| 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 | 9.5 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 |