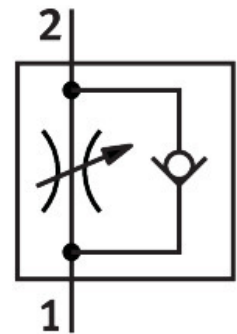


One-way flow control valve VFOE-LE-T-M5-Q6-F1A

Part number: 8157641

FESTO



Data sheet

| Feature | Value |
|---|--|
| Valve function | Exhaust air one-way flow control function |
| Pneumatic connection, port 1 | QS-6 |
| Pneumatic connection, port 2 | M5 |
| Type of actuation | Manual |
| Adjustment component | Rotary knob with detent |
| Type of mounting | Screw-in |
| Standard nominal flow rate in flow control direction | 105 l/min |
| Standard nominal flow rate in blocked direction | 60 l/min...105 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 |
| Width across flats | 9 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 0.2 bar...10 bar 2.9 psi...145 psi |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 160 l/min |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 150 l/min...180 l/min |

| Feature | Value |
|--|--|
| 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 |
| Suitability for the production of Li-ion batteries | Product corresponds to the internal product definition from Festo for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 4 according to ISO 14644-1 |
| Media temperature | -10 °C...60 °C |
| Max. tightening torque | 2.4 Nm |
| Nominal torque | 2 Nm |
| Tolerance for nominal tightening torque | ± 20% |
| Product weight | 3.3 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 |