

# One-way flow control valve GRLA-1/8-QS-8-MF-D

Part number: 537076

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | One-way flow control function  |
| Pneumatic connection, port 1  | QS-8   |
| Pneumatic connection, port 2  | G1/8   |
| Type of mounting  | Screw-in<br>With male thread   |
| Standard nominal flow rate in flow control direction                          | 475 l/min  |
| Standard nominal flow rate in blocked direction                               | 325 l/min ... 500 l/min  |
| Ambient temperature   | -10 °C ... 60 °C   |
| Maritime classification   | See certificate  |
| Mounting position   | Any  |
| Symbol  | 00991452   |
| Operating pressure complete temperature range                                 | 0.2 bar ... 10 bar   |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 720 l/min  |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)   | 610 l/min ... 760 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-B1/B2-L  |
| Cleanroom suitability, measured according to ISO 14644-14                     | Class 4 according to ISO 14644-1   |
| Storage temperature   | -10 °C ... 40 °C   |
| Media temperature   | -10 °C ... 60 °C   |
| Nominal torque  | 3 Nm   |
| Tolerance for nominal tightening torque                                       | ±10%   |
| Product weight  | 32 g   |
| Note on materials   | RoHS compliant   |
| Material seals  | NBR  |
| Material hollow bolt  | Wrought aluminium alloy<br>anodised  |
| Material release ring   | POM  |

| Feature                  | Value         |
|--------------------------|---------------|
| Material adjusting screw | Brass         |
| Material swivel fitting  | Die-cast zinc |