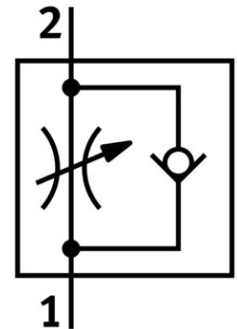


# One-way flow control valve GRLA-1/8-QS-8-MF-D

Part number: 537076

FESTO



[PDF](#) 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>Via 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                                                             | optional                                                                                   |
| Symbol                                                                        | 00991452                                                                                   |
| Operating pressure complete temperature range                                 | 0.2 bar ... 10 bar                                                                         |
| Standard flow rate in flow control direction 0.6-10 MPa (6-10 bar, 87-10 psi) | 720 l/min                                                                                  |
| Standard flow rate in non-return direction 0.6-10 MPa (6-10 bar, 87-10 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                                                                          |
| 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                                                                                        |
| Material adjusting screw                                                      | Brass                                                                                      |

| Feature                 | Value         |
|-------------------------|---------------|
| Material swivel fitting | Die-cast zinc |