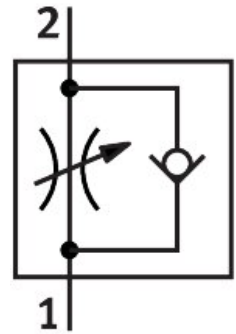


# One-way flow control valve GRLA-1/8-QS-6-MF-D

Part number: 537075

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                            | One-way flow control function                                      |
| Pneumatic connection 1                                    | QS-6                                                               |
| Pneumatic connection 2                                    | G1/8                                                               |
| Type of mounting                                          | Screw-in<br>With external thread                                   |
| Standard nominal flow rate in flow control direction      | 400 l/min                                                          |
| Standard nominal flow rate in non-return direction        | 290 l/min ... 420 l/min                                            |
| Ambient temperature                                       | -10 °C ... 60 °C                                                   |
| Maritime classification                                   | See certificate                                                    |
| Mounting position                                         | Any                                                                |
| Symbol                                                    | 00991452                                                           |
| Operating pressure for entire temperature range           | 0.2 bar ... 10 bar                                                 |
| Standard flow rate in flow control direction 6 -> 0 bar   | 600 l/min                                                          |
| Standard flow rate in non-return direction at 6 -> 0 bar  | 570 l/min ... 680 l/min                                            |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| 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                                                   |
| Temperature of medium                                     | -10 °C ... 60 °C                                                   |
| Nominal tightening torque                                 | 3 Nm                                                               |
| Tolerance for nominal tightening torque                   | ±10%                                                               |
| Product weight                                            | 32 g                                                               |
| Note on materials                                         | RoHS compliant                                                     |
| Seals material                                            | NBR                                                                |
| Hollow bolt material                                      | Wrought aluminum alloy<br>Anodized                                 |
| Releasing ring material                                   | POM                                                                |
| Material of adjusting screw                               | Brass                                                              |
| Swivel joint material                                     | Die-cast zinc                                                      |