

# One-way flow control valve GRLA-1/2-B

Part number: 151179

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | Exhaust air one-way flow control function  |
| Pneumatic connection, port 1  | G1/2   |
| Pneumatic connection, port 2  | G1/2   |
| Adjustment component  | Slotted head screw   |
| Type of mounting  | Screw-in   |
| Standard nominal flow rate in flow control direction                          | 2100 l/min   |
| Standard nominal flow rate in blocked direction                               | 1550 l/min ... 2200 l/min  |
| Operating pressure  | 0.3 bar ... 10 bar   |
| Ambient temperature   | -10 °C ... 60 °C   |
| Maritime classification   | See certificate  |
| Explosion protection  | The information in the certificate must be observed!<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Mounting position   | Any  |
| Symbol  | 00991452   |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 4000 l/min   |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)   | 2950 l/min ... 4190 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   |
| Media temperature   | -10 °C ... 60 °C   |
| Max. tightening torque  | 40 Nm  |
| Product weight  | 204 g  |
| Note on materials   | RoHS compliant   |
| Material seals  | NBR  |

| <b>Feature</b>           | <b>Value</b>            |
|--------------------------|-------------------------|
| Material hollow bolt     | Wrought aluminium alloy |
| Material adjusting screw | Brass                   |
| Material nut             | Wrought aluminium alloy |
| Material swivel fitting  | Die-cast zinc           |