

# One-way flow control valve GRLA-1/8-B

Part number: 151165

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | Exhaust air one-way flow control function  |
| Pneumatic connection, port 1  | G1/8   |
| Pneumatic connection, port 2  | G1/8   |
| Adjustment component  | Slotted head screw   |
| Type of mounting  | Screw-in   |
| Standard nominal flow rate in flow control direction                          | 340 l/min  |
| Standard nominal flow rate in blocked direction                               | 260 l/min ... 420 l/min  |
| 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   |
| Operating pressure complete temperature range                                 | 0.3 bar ... 10 bar   |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 615 l/min  |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)   | 470 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   |
| Media temperature   | -10 °C ... 60 °C   |
| Max. tightening torque  | 6 Nm   |
| Product weight  | 28 g   |
| Material screwed plug   | Wrought aluminium alloy  |
| Note on materials   | RoHS compliant   |

| <b>Feature</b>           | <b>Value</b>  |
|--------------------------|---------------|
| Material seals           | NBR           |
| Material adjusting screw | Brass         |
| Material swivel fitting  | Die-cast zinc |