

# One-way flow control valve GRLA-3/8-B

Part number: 151178

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                                            |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Valve function                                            | Exhaust air flow control non-return function                                                                     |
| Pneumatic connection 1                                    | G3/8                                                                                                             |
| Pneumatic connection 2                                    | G3/8                                                                                                             |
| Adjusting element                                         | Slotted screw                                                                                                    |
| Type of mounting                                          | Screw-in                                                                                                         |
| Standard nominal flow rate in flow control direction      | 1450 l/min                                                                                                       |
| Standard nominal flow rate in non-return direction        | 970 l/min...1600 l/min                                                                                           |
| Ambient temperature                                       | -10 °C...60 °C                                                                                                   |
| Maritime classification                                   | See certificate                                                                                                  |
| Explosion prevention and protection                       | Observe the information on the certificate<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Mounting position                                         | Any                                                                                                              |
| Operating pressure for entire temperature range           | 0.3 bar...10 bar                                                                                                 |
| Standard flow rate in flow control direction 6 -> 0 bar   | 2300 l/min                                                                                                       |
| Standard flow rate in non-return direction at 6 -> 0 bar  | 1540 l/min...2540 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                                                                                 |
| Temperature of medium                                     | -10 °C...60 °C                                                                                                   |
| Max. tightening torque                                    | 20 Nm                                                                                                            |
| Product weight                                            | 97 g                                                                                                             |
| Note on materials                                         | RoHS compliant                                                                                                   |
| Seals material                                            | NBR                                                                                                              |

| Feature                     | Value                  |
|-----------------------------|------------------------|
| Hollow bolt material        | Wrought aluminum alloy |
| Material of adjusting screw | Brass                  |
| Nut material                | Wrought aluminum alloy |
| Swivel joint material       | Die-cast zinc          |