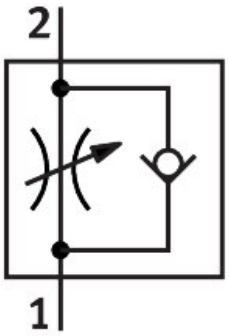
# One-way flow control valve
# GRLA-1/2-QS-12-RS-D

Part number: 534344






## Data sheet

| Feature | Value |
|---|---|
| Valve function | Exhaust air flow control non-return function |
| Pneumatic connection 1 | QS-12 |
| Pneumatic connection 2 | G1/2 |
| Adjusting element | Knurled screw |
| Type of mounting | Screw-in<br>With external thread |
| Standard nominal flow rate in flow control direction | 1580 l/min |
| Standard nominal flow rate in non-return direction | 925 l/min...1605 l/min |
| Operating pressure | 0.02 MPa...1 MPa<br>0.2 bar...10 bar<br>2.9 psi...145 psi |
| Ambient temperature | -10 °C...60 °C |
| Maritime classification | See certificate |
| Mounting position | Any |
| Operating pressure for entire temperature range | 0.2 bar...10 bar |
| Standard flow rate in flow control direction 6 -> 0 bar | 2220 l/min |
| Standard flow rate in non-return direction at 6 -> 0 bar | 1910 l/min...2500 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 | 23 Nm |
| Tolerance for nominal tightening torque | ±20% |
| Product weight | 124 g |
| Note on materials | RoHS compliant |

| Feature | Value |
|---|---|
| Seals material | NBR |
| Hollow bolt material | Wrought aluminum alloy<br>Anodized |
| Releasing ring material | POM |
| Knurled head material | Wrought aluminum alloy<br>Anodized |
| Material of adjusting screw | Brass |
| Nut material | Wrought aluminum alloy |
| Swivel joint material | Die-cast zinc |