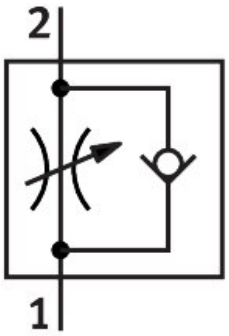
# One-way flow control valve
# GRLA-1/2-QS-12-RS-D

Part number: 534344






## Data sheet

| Feature | Value |
|---|---|
| Valve function | Exhaust air one-way flow control function |
| Pneumatic connection, port 1 | QS-12 |
| Pneumatic connection, port 2 | G1/2 |
| Adjustment component | Knurled screw |
| Type of mounting | Screw-in<br>With male thread |
| Standard nominal flow rate in flow control direction | 1580 l/min |
| Standard nominal flow rate in blocked 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 complete temperature range | 0.2 bar...10 bar |
| Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 2220 l/min |
| Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi) | 1910 l/min...2500 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 |
| Storage temperature | -10 °C...40 °C |
| Media temperature | -10 °C...60 °C |
| Nominal torque | 23 Nm |
| Tolerance for nominal tightening torque | ±20% |

| Feature | Value |
|---|---|
| Product weight | 124 g |
| Note on materials | RoHS compliant |
| Material seals | NBR |
| Material hollow bolt | Wrought aluminium alloy<br>anodised |
| Material release ring | POM |
| Material knurled head | Wrought aluminium alloy<br>anodised |
| Material adjusting screw | Brass |
| Material nut | Wrought aluminium alloy |
| Material swivel fitting | Die-cast zinc |