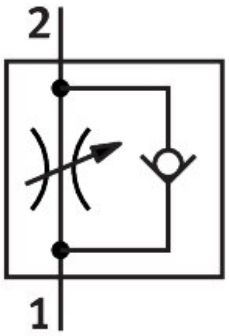
One-way flow control valve
GRLA-M5-QS-3-RS-D

Part number: 197576





Data sheet

Feature	Value
Valve function	Exhaust air one-way flow control function
Pneumatic connection, port 1	QS-3
Pneumatic connection, port 2	M5
Adjustment component	Knurled screw
Type of mounting	Screw-in With male thread
Standard nominal flow rate in flow control direction	100 l/min
Standard nominal flow rate in blocked direction	60 l/min...100 l/min
Operating pressure	0.02 MPa...1 MPa 0.2 bar...10 bar 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)	145 l/min
Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	150 l/min...170 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
Nominal torque	1.3 Nm
Tolerance for nominal tightening torque	±20%
Product weight	14 g

Feature	Value
Note on materials	RoHS compliant
Material seals	NBR
Material hollow bolt	Brass nickel-plated
Material release ring	POM
Material knurled head	Wrought aluminium alloy anodised
Material adjusting screw	Brass
Material nut	Wrought aluminium alloy
Material swivel fitting	Die-cast zinc