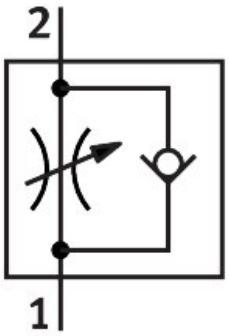
One-way flow control valve
GRLA-1/8-QS-4-RS-D

Part number: 197580





Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Pneumatic connection 1	QS-4
Pneumatic connection 2	G1/8
Adjusting element	Knurled screw
Type of mounting	Screw-in With external thread
Standard nominal flow rate in flow control direction	160 l/min
Standard nominal flow rate in non-return direction	120 l/min...190 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 for entire temperature range	0.2 bar...10 bar
Standard flow rate in flow control direction 6 -> 0 bar	250 l/min
Standard flow rate in non-return direction at 6 -> 0 bar	270 l/min...300 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
Nominal tightening torque	6 Nm
Tolerance for nominal tightening torque	±20%
Product weight	23 g
Note on materials	RoHS compliant
Seals material	NBR

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