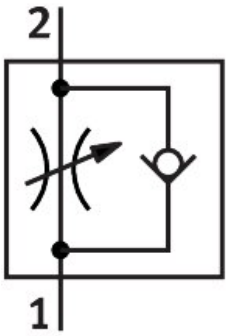
One-way flow control valve
GRLA-M5-QS-3-RS-D

Part number: 197576





Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Pneumatic connection 1	QS-3
Pneumatic connection 2	M5
Adjusting element	Knurled screw
Type of mounting	Screw-in With external thread
Standard nominal flow rate in flow control direction	100 l/min
Standard nominal flow rate in non-return 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 for entire temperature range	0.2 bar...10 bar
Standard flow rate in flow control direction 6 -> 0 bar	145 l/min
Standard flow rate in non-return direction at 6 -> 0 bar	150 l/min...170 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	1.3 Nm
Tolerance for nominal tightening torque	±20%
Product weight	14 g
Note on materials	RoHS compliant
Seals material	NBR

Feature	Value
Hollow bolt material	Brass Nickel-plated
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