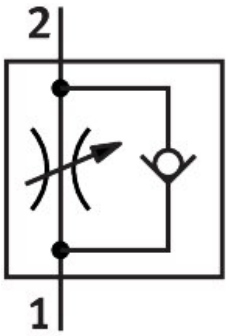
One-way flow control valve
CRGRLA-3/8-B

Part number: 161406



Data sheet

Feature	Value
Valve function	One-way flow control function
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Type of actuation	Manual
Adjustment component	Slotted head screw
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	1450 l/min
Standard nominal flow rate in blocked direction	970 l/min...1600 l/min
Operating pressure	0.03 MPa...1 MPa 0.3 bar...10 bar 4.35 psi...145 psi
Ambient temperature	-20 °C...80 °C
Maritime classification	See certificate
Explosion protection	The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Mounting position	Any
Rotatability	360°/no continuous swivelling permissible
Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi)	2515 l/min
Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	2095 l/min...2665 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-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)

Feature	Value
Cleanroom suitability, measured according to ISO 14644-14	Class 4 according to ISO 14644-1
Storage temperature	-10 °C...40 °C
Suitable for use with food	See supplementary material information
Media temperature	-10 °C...60 °C
Nominal size	8.5 mm
Max. tightening torque	20 Nm
Permissible actuation moment, regulating screw	2 Nm
Product weight	126.9 g
Note on materials	RoHS compliant
Material seals	Fluoro rubber PVC
Material hollow bolt	High-alloy steel
Material adjusting screw	High-alloy stainless steel
Material swivel fitting	High-alloy stainless steel