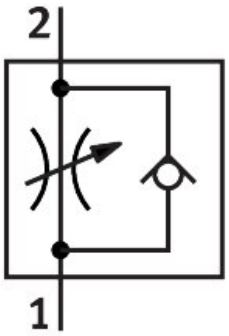
One-way flow control valve
VFOE-LS-T-M5-Q4-F1A

Part number: 8157630





Data sheet

Feature	Value
Valve function	Supply air one-way flow control function
Pneumatic connection, port 1	QS-4
Pneumatic connection, port 2	M5
Type of actuation	Manual
Adjustment component	Rotary knob with latch
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	85 l/min
Standard nominal flow rate in blocked direction	50 l/min...90 l/min
Ambient temperature	-10 °C...60 °C
Material housing	PBT
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
Width across flats	9 mm
Rotatability	360°/no continuous swivelling permissible
Operating pressure complete temperature range	0.02 MPa...1 MPa 0.2 bar...10 bar 2.9 psi...145 psi
Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi)	135 l/min
Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	130 l/min...160 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 zone III

Feature	Value
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 4 according to ISO 14644-1
Media temperature	-10 °C...60 °C
Max. tightening torque	2.4 Nm
Nominal torque	2 Nm
Tolerance for nominal tightening torque	±20%
Product weight	3.3 g
Note on materials	RoHS compliant
Material cover	PBT
Material dynamic seals	HNBR
Material threaded bolt	Steel, chemically nickel-plated
Material release ring	PBT
Material static seals	NBR