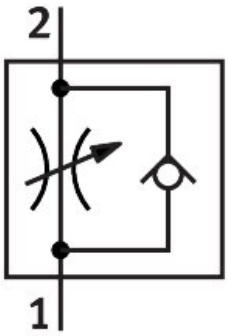
One-way flow control valve
VFOE-LS-T-M5-Q6-F1A

Part number: 8157629





Data sheet

Feature	Value
Valve function	Supply air one-way flow control function
Pneumatic connection, port 1	QS-6
Pneumatic connection, port 2	M5
Type of actuation	Manual
Adjustment component	Rotary knob with detent
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	100 l/min
Standard nominal flow rate in blocked direction	60 l/min...100 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	optional
Width across flats	9 mm
Rotatability	360°/no continuous swivelling permissible
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
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)	165 l/min
Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	150 l/min...180 l/min

Feature	Value
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
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