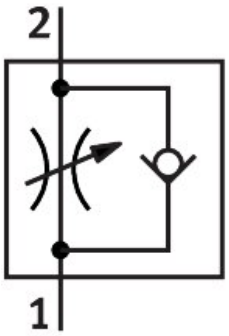
One-way flow control valve
VFOE-LE-T-M5-Q4-F1A

Part number: 8157642





Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Pneumatic connection 1	QS-4
Pneumatic connection 2	M5
Actuation type	Manual
Adjusting element	Rotary knob with latch
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	90 l/min
Standard nominal flow rate in non-return direction	50 l/min...90 l/min
Ambient temperature	-10 °C...60 °C
Housing material	PBT
Explosion prevention and protection	Observe the information on the certificate Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Mounting position	Any
Width across flats	9 mm
Rotatability	360 deg/continuous swiveling not permissible
Operating pressure for entire temperature range	0.02 MPa...1 MPa 0.2 bar...10 bar 2.9 psi...145 psi
Standard flow rate in flow control direction 6 -> 0 bar	150 l/min
Standard flow rate in non-return direction at 6 -> 0 bar	130 l/min...160 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 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

Feature	Value
Temperature of medium	-10 °C...60 °C
Max. tightening torque	2.4 Nm
Nominal tightening torque	2 Nm
Tolerance for nominal tightening torque	±20%
Product weight	3.3 g
Note on materials	RoHS compliant
Cover material	PBT
Material of dynamic seals	HNBR
Threaded bolt material	Steel, chemically nickel-plated
Releasing ring material	PBT
Static seal material	NBR