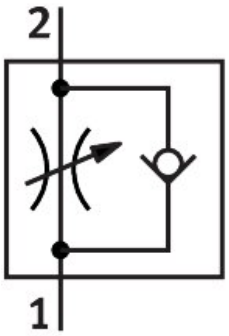
One-way flow control valve
VFOE-LE-T-G38-Q10-F1A

Part number: 8224001



Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Pneumatic connection 1	QS-10
Pneumatic connection 2	G3/8
Actuation type	Manual
Adjusting element	Rotary knob with latch
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	750 l/min
Standard nominal flow rate in non-return direction	700 l/min...1000 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	21 mm
Rotatability	360 deg/continuous swiveling not 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 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	1280 l/min
Standard flow rate in non-return direction at 6 -> 0 bar	1400 l/min...1600 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)

Feature	Value
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
Temperature of medium	-10 °C...60 °C
Max. tightening torque	15.6 Nm
Nominal tightening torque	13 Nm
Tolerance for nominal tightening torque	±20%
Product weight	29.5 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