

# One-way flow control valve VFOE-LE-T-R12-Q12-F1A

FESTO

Part number: 8157631



 [General operating condition](#)

## Data sheet

Feature	Value
Valve function	Exhaust air one-way flow control function
Pneumatic connection, port 1	QS-12
Pneumatic connection, port 2	R1/2
Type of actuation	Manual
Adjustment component	Rotary knob with latch
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	1200 l/min
Standard nominal flow rate in blocked direction	600 l/min ... 1200 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
Symbol	00991452
Width across flats	24 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
Operating pressure complete temperature range	0.2 bar ... 10 bar
Operating pressure complete temperature range	2.9 psi ... 145 psi
Standard flow rate in flow control direction 0.6->0 MPa (6->0 bar, 87->0 psi)	1900 l/min
Standard flow rate in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	1400 l/min ... 2000 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

<b>Feature</b>	<b>Value</b>
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
Product weight	49.5 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