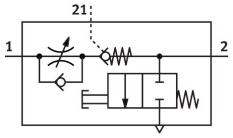
One-way flow control valve
VFOF-LE-BAH-G14-Q8

Part number: 1927030





General operating condition

Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Selection of additional function	Piloted check valve
Pneumatic connection 1	QS-8
Pneumatic connection 2	G¼
Actuation type	Manual
Pilot air port 21	QS-8
Adjusting element	Internal hexagon
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	590 l/min
Standard nominal flow rate in non-return direction	310 l/min ... 540 l/min
Operating pressure	0.02 MPa ... 1 MPa
Operating pressure	0.2 bar ... 10 bar
Operating pressure	2.9 psi ... 145 psi
Pilot pressure MPa	0.2 MPa ... 1 MPa
Pilot pressure	2 bar ... 10 bar
Ambient temperature	-10 °C ... 60 °C
Pilot pressure psi	29 psi ... 145 psi
Housing material	PBT
Explosion prevention and protection	Zone 2 (ATEX) Zone 22 (ATEX)
Mounting position	Any
Actuation type, piloted non-return function	Pneumatic
Manual exhaust function	Non-detenting
Symbol	00991958
Rotatability	360 deg/continuous swiveling not permissible
Operating pressure for entire temperature range	0.02 MPa ... 1 MPa
Operating pressure for entire temperature range	0.2 bar ... 10 bar
Operating pressure for entire temperature range	2.9 psi ... 145 psi
Standard flow rate in flow control direction 6 -› 0 bar	940 l/min
Standard flow rate in non-return direction at 6 -› 0 bar	830 l/min ... 1000 l/min
Standard flow rate in non-return direction at 6 -› 0 bar unactuated	840 l/min ... 1000 l/min
Standard nominal flow rate in non-return direction actuated	315 l/min ... 540 l/min
Standard nominal flow rate in non-return direction, unactuated	310 l/min ... 540 l/min
Switching time off	11 ms
On switching time	8 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Nominal tightening torque	10 Nm
Tolerance for nominal tightening torque	± 20%
Permissible actuation moment, adjusting screw	1 Nm
Product weight	73.9 g
Covering material	ES-BE
Note on materials	RoHS-compliant
Cover material	PBT
Seals material	NBR
Hollow bolt material	Wrought aluminum alloy
Sleeve material	Wrought aluminum alloy
Releasing ring material	POM
Material of adjusting screw	Brass