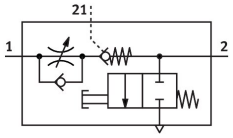
One-way flow control valve
VFOF-LE-BAH-G18-Q6

Part number: 8001459





Data sheet

Feature	Value
Valve function	Exhaust air flow control non-return function
Selection of additional function	Piloted check valve
Pneumatic connection 1	QS-6
Pneumatic connection 2	G1/8
Actuation type	Manual
Pilot air port 21	QS-6
Adjusting element	Internal hex
Type of mounting	Screw-in
Standard nominal flow rate in flow control direction	240 l/min
Standard nominal flow rate in non-return direction	120 l/min...220 l/min
Operating pressure	0.02 MPa...1 MPa 0.2 bar...10 bar 2.9 psi...145 psi
Pilot pressure MPa	0.2 MPa...1 MPa
Pilot pressure	2 bar...10 bar
Pilot pressure psi	29 psi...145 psi
Ambient temperature	-10 °C...60 °C
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
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	420 l/min
Standard flow rate actuated in non-return direction 0.6->0 MPa (6->0 bar, 87->0 psi)	400 l/min...460 l/min
Standard flow rate in non-return direction at 6 -> 0 bar unactuated	400 l/min...460 l/min
Standard nominal flow rate in non-return direction actuated	150 l/min...230 l/min
Standard nominal flow rate in non-return direction, unactuated	120 l/min...220 l/min

Feature	Value
Switching time off	9 ms
On switching time	6 ms
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-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	6 Nm
Tolerance for nominal tightening torque	±20%
Permissible actuation moment, adjusting screw	1 Nm
Product weight	28.6 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