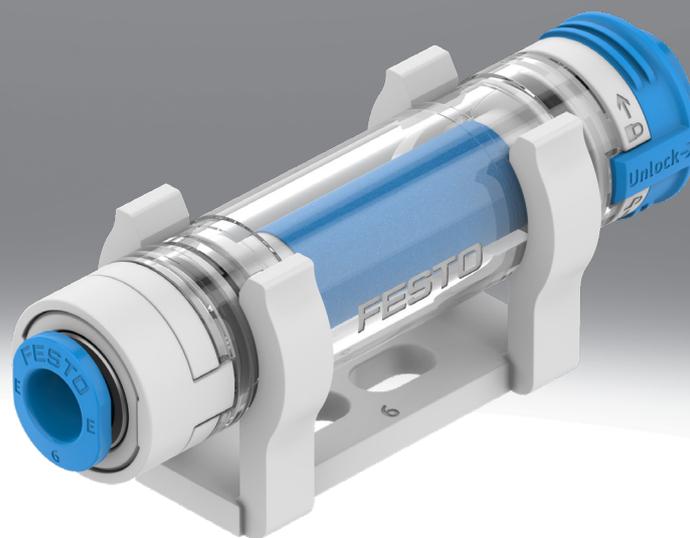


Inline filter OAFA

FESTO



Characteristics

At a glance

The inline filter is used to filter out dirt particles in the air in suction nozzles via a filter cartridge. The filter cartridge is located in a transparent housing so that the contamination level of the filter insert can be determined.

- Can also be used for battery applications thanks to F1A conformity

Note: Do not clean the housing with polar solvents (e.g. alcohol).

Diagrams

Link [oafa](#)



The diagrams shown in this document are also available online. These can be used to display precise values.

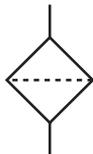
Type code

001	Series	
OAFA	Inline filter	
002	Design	
C	Inline	
003	Vacuum connection 1	
Q4	Push-in connector 4 mm	
Q6	Push-in connector 6 mm	
Q8	Push-in connector 8 mm	

004	Vacuum connection 2	
E	Same size as connection 1	
005	Filter design	
F	10 µm	
E	40 µm	

Datasheet

General technical data



Nominal size	4 mm	6 mm	8 mm
Pneumatic connection	For tubing O.D. 4 mm	For tubing O.D. 6 mm	For tubing O.D. 8 mm
Grade of filtration	10 µm, 40 µm		
Mounting position	optional		
Type of mounting	In-line installation		

Operating and environmental conditions

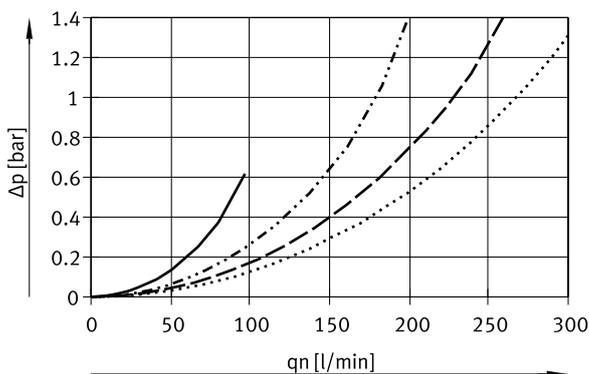
Operating pressure	-0.1 ... 1 MPa
Operating pressure	-1 ... 10 bar
Operating pressure	-14.5 ... 145 psi
Operating medium	Air
Ambient temperature	0 ... 60°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress
Instructions on use	The housing should not be cleaned with polar solvents (such as alcohol).

1) More information www.festo.com/x/topic/crc

Materials

Material housing	PA
Material seals	HNBR
Material filter	PE
Note on materials	RoHS-compliant
LABS (PWS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)

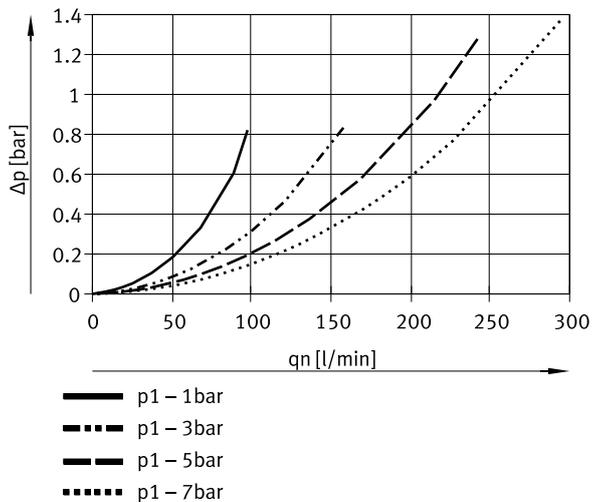
Normal flow rate q_n as a function of differential pressure Δp (OAFA-C-Q4-E-E)



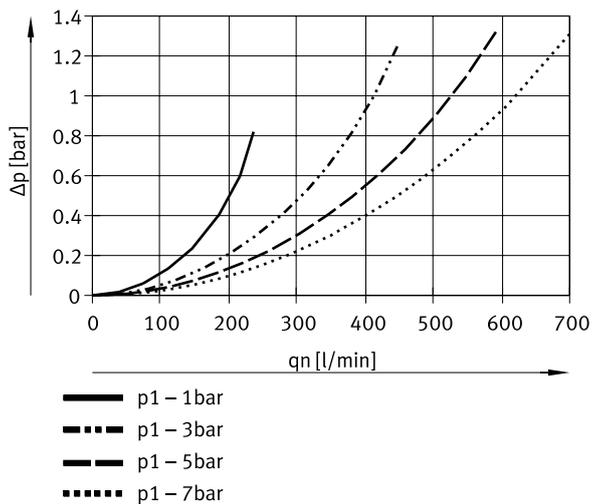
- p1 – 1bar
- - - p1 – 3bar
- · - · p1 – 5bar
- · · · p1 – 7bar

Datasheet

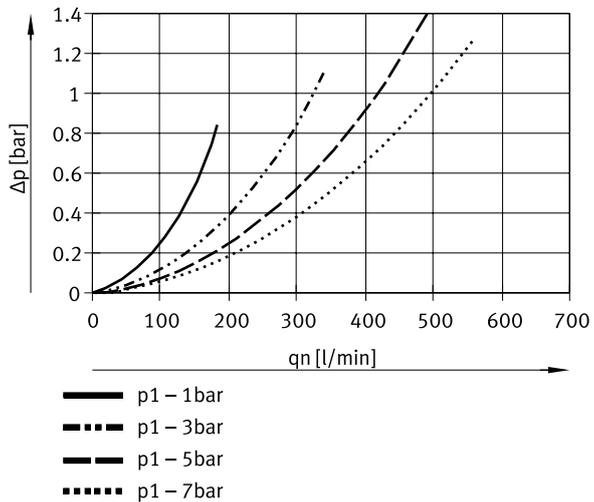
Normal flow rate q_n as a function of differential pressure Δp (OAFa-C-Q4-E-F)



Normal flow rate q_n as a function of differential pressure Δp (OAFa-C-Q6-E-E)

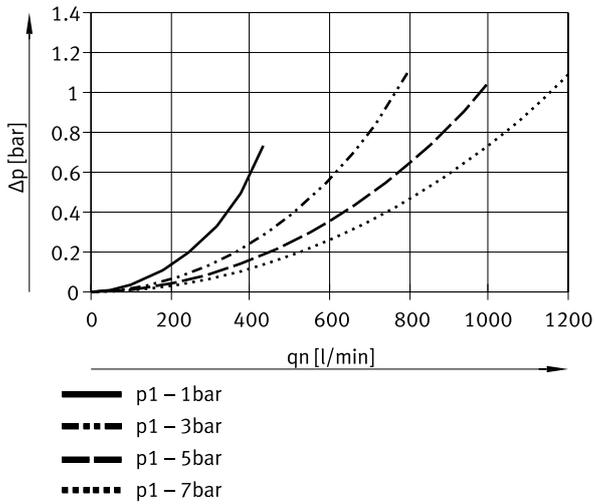


Normal flow rate q_n as a function of differential pressure Δp (OAFa-C-Q6-E-F)

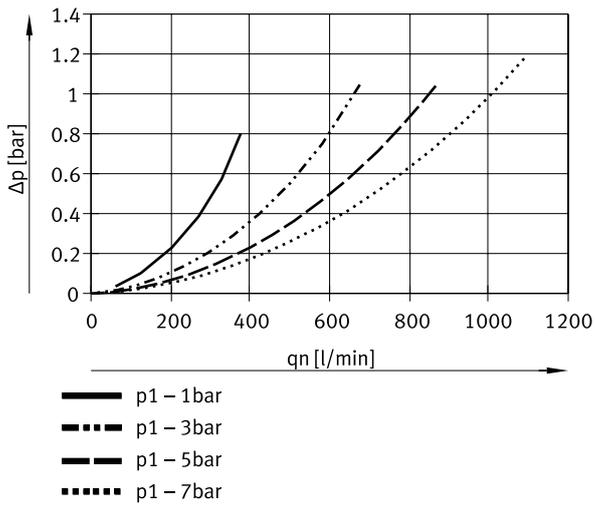


Datasheet

Normal flow rate q_n as a function of the differential pressure Δp (OAFA-C-Q8-E-E)



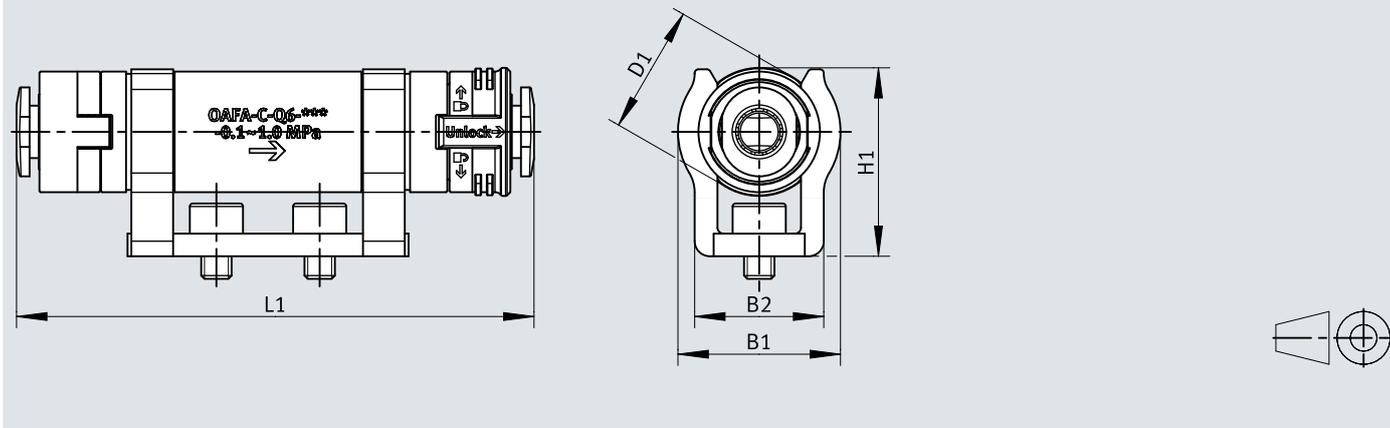
Normal flow rate q_n as a function of differential pressure Δp (OAFA-C-Q8-E-F)



Dimensions

Dimensions – Inline filter OAFA

Download CAD data www.festo.com

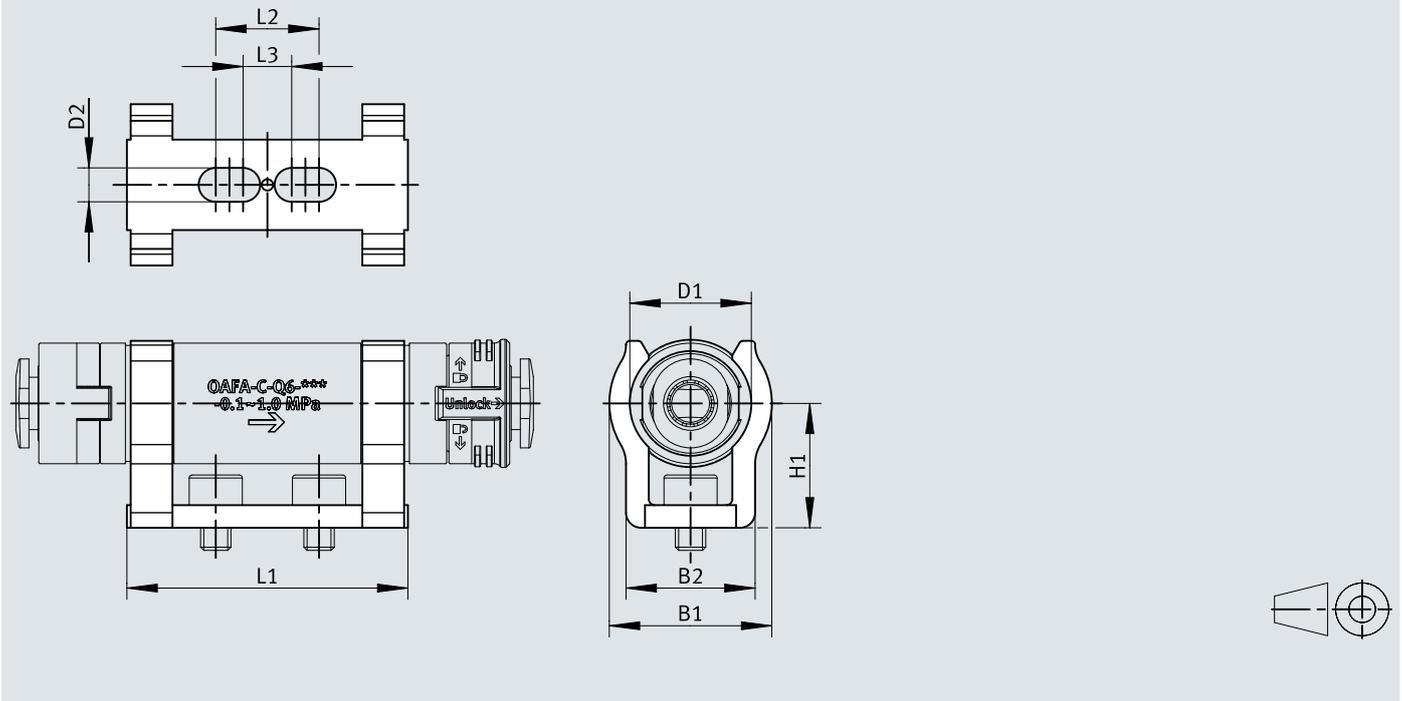


	B1	B2	D1 ∅	H1	L1
OAFA-C-Q4-E-F	14,7	11	12	17,5	61,7
OAFA-C-Q4-E-E	14,7	11	12	17,5	61,7
OAFA-C-Q6-E-F	21,4	17	17	25	68,1
OAFA-C-Q6-E-E	21,4	17	17	25	68,1
OAFA-C-Q8-E-F	28	21	23,6	32,8	71,9
OAFA-C-Q8-E-E	28	21	23,6	32,8	71,9

Dimensions

Dimensions – Mounting bracket OAMM

Download CAD data www.festo.com



	B1	B2	D1 ∅	D2	H1	L1	L2	L3
OAMM-A2-A-Q3Q4	14,7	11	10,7	3,2	11,5	32	25	23
OAMM-A2-A-Q6	14,7	11	15,4	4,5	16,5	37	13,6	6,4
OAMM-A2-A-Q8Q10	21,4	17	22	4,5	21	39	19,3	8,7

Ordering data

Ordering information – Vacuum filter OAFA

	Pneumatic connection	Nominal size	Grade of filtration	Product weight	Part no.	Type
	For tubing O.D. 4 mm	4 mm	10 µm	5.4 g	8212637	OAFA-C-Q4-E-F
			40 µm		8212638	OAFA-C-Q4-E-E
	For tubing O.D. 6 mm	6 mm	10 µm	11 g	8212640	OAFA-C-Q6-E-F
			40 µm		8212641	OAFA-C-Q6-E-E
	For tubing O.D. 8 mm	8 mm	10 µm	22.3 g	8212643	OAFA-C-Q8-E-F
			40 µm		8212644	OAFA-C-Q8-E-E

Accessories

Mounting bracket OAMM

	Type of mounting	Max. tightening torque	Suitability for the production of Li-ion batteries ¹⁾	Product weight	Part no.	Type
	Via through-hole for M3 screw	0.26 Nm	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)	1.36 g	8228731	OAMM-A2-A-Q3Q4
	Via through-hole for M4 screw	0.4 Nm		3.7 g	8228730	OAMM-A2-A-Q6
				5.63 g	8228729	OAMM-A2-A-Q8Q10

1) Suitable for battery production

Filter cartridge OAFc (10 µm)

	Grade of filtration	Suitability for the production of Li-ion batteries ¹⁾	Product weight	Size of pack	Part no.	Type
	10 µm	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)	0.93 g	5	8224526	OAFc-A2-Q3Q4-E-F
			3.25 g		8224529	OAFc-A2-Q6-E-F
			6.1 g		8224532	OAFc-A2-Q8Q10-E-F

1) Suitable for battery production

Filter cartridge OAFc (40 µm)

	Grade of filtration	Suitability for the production of Li-ion batteries ¹⁾	Product weight	Size of pack	Part no.	Type
	40 µm	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)	0.93 g	5	8224527	OAFc-A2-Q3Q4-E-E
			3.25 g		8224530	OAFc-A2-Q6-E-E
			6.1 g		8224533	OAFc-A2-Q8Q10-E-E

1) Suitable for battery production