



D VACUUM FILTER SERIES

- 128 RF pump series
- 130 RF series
- 132 ZFC series
- 134 ZFC series
- 137 HFL03 series
- 138 VYF series

RF SERIES VACUUM PUMP FILTER



PRODUCT FEATURES

*It can effectively prevent solid particles or dust from being sucked into the vacuum pump or vacuum system, reduce pump wear, improve pump operation reliability, extend pump service life, and effectively protect components of the vacuum system (such as vacuum valves, vacuum meters, etc.).

*All steel structure, sturdy and durable, suitable for industrial applications with high load requirements. It adopts a seamless stretched metal shell, matched with copper welding interface, high airtightness, large scale capacity, easy to clean, easy to replace filter element, quick inlet and outlet with threaded connection, with a filtration accuracy of 99% 10um. The gas temperature is -15~90 ° C

*There are different nominal flow specifications for customers to choose from.

PERFORMANCE OVERVIEW

*Suitable for dusty environments, with a filtration accuracy of 99%.

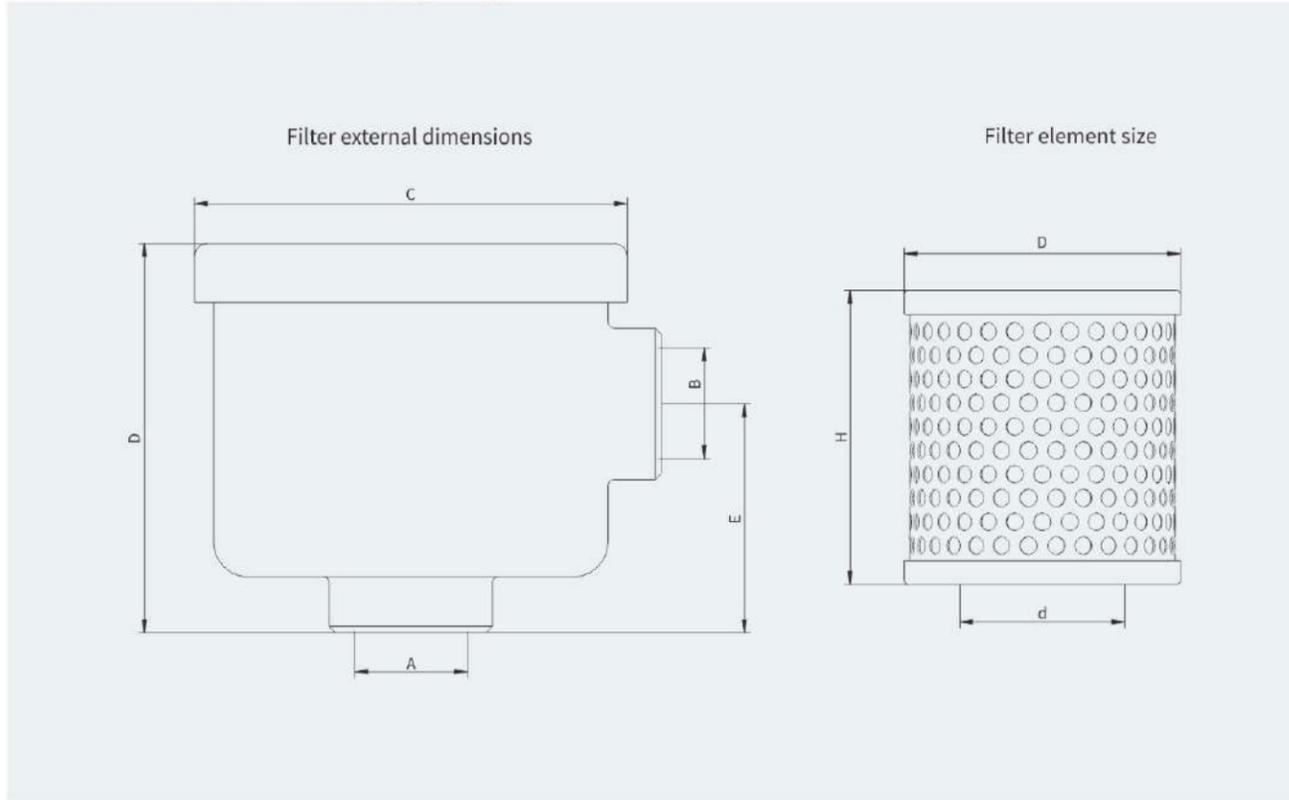
*It can effectively filter the incoming air and protect vacuum generating devices (such as vacuum pumps and blowers)

MODEL SPECIFICATIONS

RF 002
① ②

① Product Series	② Nominal flow rate
RF	002 - 32m ³ h
	002-1 - 42m ³ h
	003 - 120m ³ h
	004 - 100m ³ h
	006 - 300m ³ h

SPECIFICATION AND SIZE (MM)



Model	RF002	RF002-1	RF003	RF004	RF006
Rated flow rate m ³ /h	32	42	120	100	300
A (Inch) Inch	G1/2"	G3/4"	G1 1/4"	G1 1/4"	G2"
B (Inch) Inch	G1/2"	G3/4"	G1 1/4"	G1 1/4"	G2"
C	∅101	∅101	∅185	∅146	∅222
D	90	90	170	110	258
E	53	53	115	70	125
Weight kg	1	1	2.3	1.4	6.9
Filter consumables	RE002	RE002	RE003	RE004	RE006
Outer diameter D of air filter	∅65	∅65	∅128	∅98	∅150
Inner diameter d	∅38	∅38	∅64	∅60	∅88
Height H	69	69	125	70	222

Dimensions A and B are pipe threads G: NP for the United States and BSP for the United Kingdom



PRODUCT FEATURES

- *Filter out dust and other impurities sucked in from the air inlet.
- *The transparent shell can visually indicate the degree of contamination of the filter.
- *The filter element can be replaced.
- *Reduce the risk of interruptions or stoppages in the operation of vacuum pumps and vacuum generators.
- *There are different nominal flow specifications for customers to choose from.
- *easy disassembly and installation.
- *Metal threaded connections are more sturdy.

PERFORMANCE OVERVIEW

- *Suitable for vacuum systems with moderate to mild pollution levels.
- *Can be used for pre filtration, effectively filtering dust of different degrees.

MODEL SPECIFICATIONS

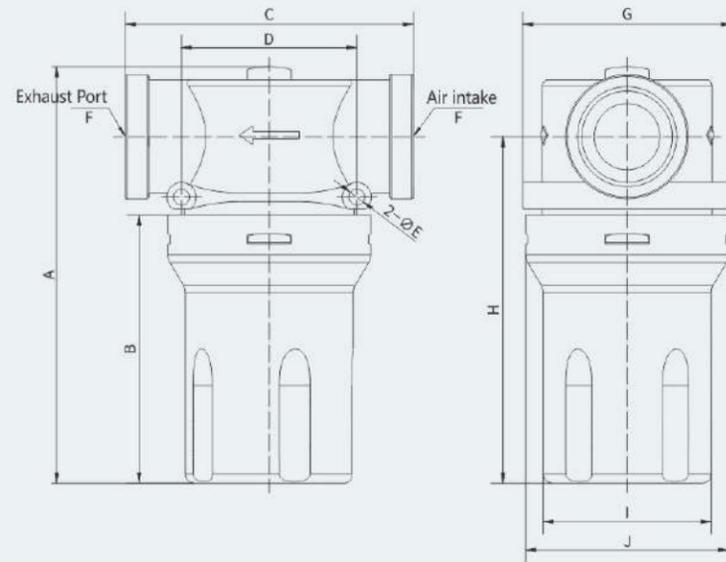
RF - 10 - □
① ② ③

① Product Series	② Corresponding specifications of threads	③ Filter element material
RF	10 - G3/8 Internal thread 15 - G1/2 Internal thread 20 - G3/4 Internal thread	Blank - PE 10µm S - SUS304 200mesh count

PERFORMANCE PARAMETER

Model	Operating pressure range (kPa)	Material	temperature range °C	Filtration	Nominal flow rate (NL/min)	Internal vacuum volume cm ³	filter area m ²	weight g
RF-10	-100-0	body - PA	-20-80	10 μm	150	45	0.003	70
RF-15		Filter cup - PC			900	195	0.010	168
RF-20		Filter element - PE			900	205	0.010	170
RF-10-S		body - PA		200 Mesh Count	200	/	/	/
RF-15-S		Filter cup - PC			1200	/	/	/
RF-20-S		Filter element - SUS			1200	/	/	/

SPECIFICATION AND SIZE (MM)



Model	A	B	C	D	E	F	G	H	I	J
RF-10	75	34	77	45	6	G3/8"	51	56	39	45
RF-15	141	91	97.5	60	6	G1/2"	71	117	57.5	69.5
RF-20	141	91	97.5	60	6	G3/4"	71	117	57.5	69.5

FILTER SPECIFICATIONS

		RF10	RF15	RF20
weight	g	7	26	26
Filter area	m ²	0.003	0.010	0.010
Filtering accuracy	μm	10	10	10



PRODUCT FEATURES

- *Small size, light weight, with mounting bracket
- *Quick connector type, convenient and fast configuration.
- *The filter element can be replaced, and the standard model comes with a bracket
- *Adopting a fast assembly and disassembly structure, the filter element can be replaced without the need for tools.
- *Direct type, import and export on the same line, easy to install
- *Suitable for vacuum systems with moderate to mild pollution levels.

MODEL SPECIFICATIONS

ZFC 100 - 04 □

① ② ③ ④

① Product Series ② Through traffic ③ Outer diameter of IN and OUT hoses

ZFC	100 - Maximum 20NL/min 200 - Maximum 50NL/min	04 - Ø4 (ZFC100) 06 - Ø6 (ZFC100) 06 - Ø6 (ZFC200) 08 - Ø8 (ZFC200)
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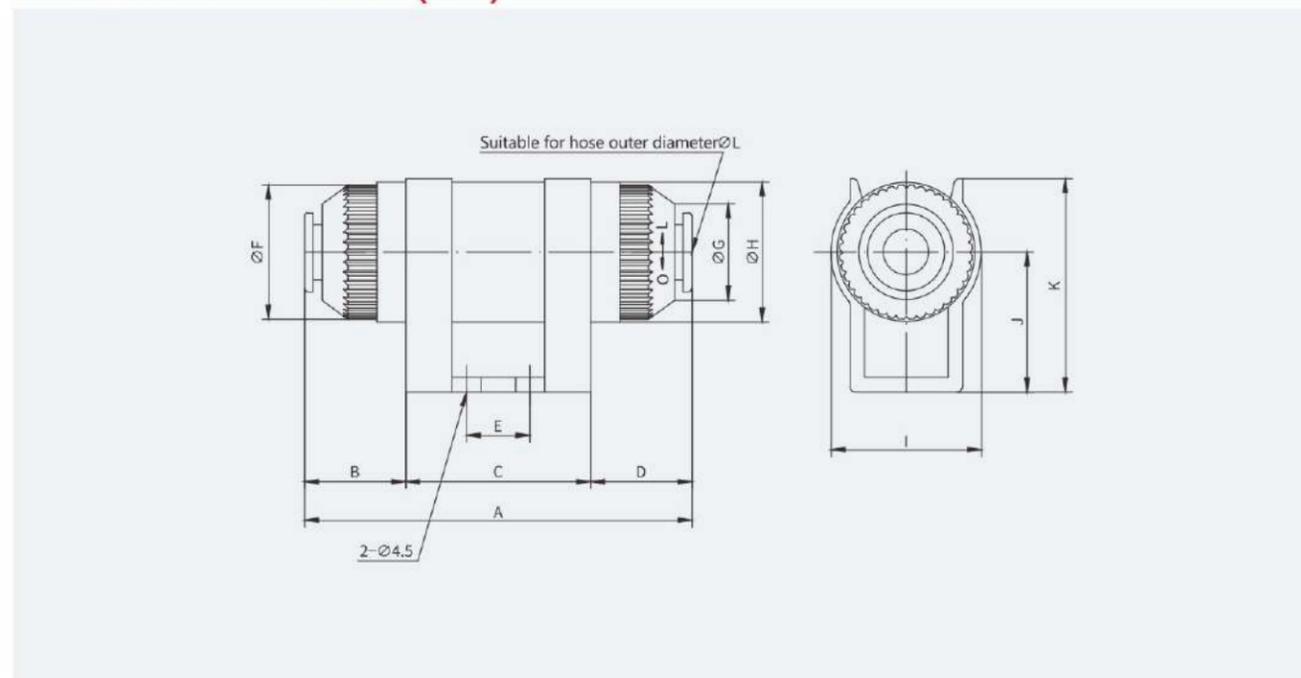
④ Bracket

Blank - None
B - with bracket

PERFORMANCE PARAMETER

Model	ZFC100-04B	ZFC100-06B	ZFC200-06B	ZFC200-08B
Suitable for intubation outer diameter (mm)	Ø4	Ø6	Ø6	Ø8
Flow rate (NL/min)	10	20	30	50
Using fluids	Air, nitrogen			
Operating pressure range (kPa)	-100-0			
Filtering accuracy(μ M)	10			
Environment and fluid temperature (°C)	0-60(Unfrozen)			
Pressure difference of filter element (bar)	1.5			
Suitable for hose materials	Nylon, soft nylon, PU hose, extremely soft PU pipe			
Filter element	ZFC-100		ZFC-200	

SPECIFICATION AND SIZE (MM)



Model	A	B	C	D	E	F	G	H	I	J	K	L
ZFC100-04B	53.2	9.1	30	14.1	10	18	11.6	19.5	23	20	29	4
ZFC100-06B	53.2	9.1	30	14.1	10	18	11.6	19.5	23	20	29	6
ZFC200-06B	67	15.5	34	17.5	14	22	15.6	23.1	27	24	35	6
ZFC200-08B	67	15.5	34	17.5	14	22	15.6	23.1	27	24	35	8



PRODUCT FEATURES

- *Small size, light weight, with mounting bracket
- *Quick connector type, easy and fast takeover.
- *Adopting a fast assembly and disassembly structure, the filter element can be replaced without the need for tools
- *Transparent shell with arrows indicating the direction of airflow, which can visually assess the degree of contamination of the filter
- *Can be used for positive or negative pressure systems.
- *Suitable for positive pressure and vacuum systems with moderate to mild pollution levels.

MODEL SPECIFICATIONS

ZFC 5 4 - B
① ② ③ ④

① Product Series	② Filter specifications	③ Flexible hose diameter
ZFC	5 - Filter Area 750mm ² 7 - Filter Area 1260mm ²	3 - Ø4 4 - Ø6 5 - Ø8 6 - Ø10 7 - Ø12

④ Bracket

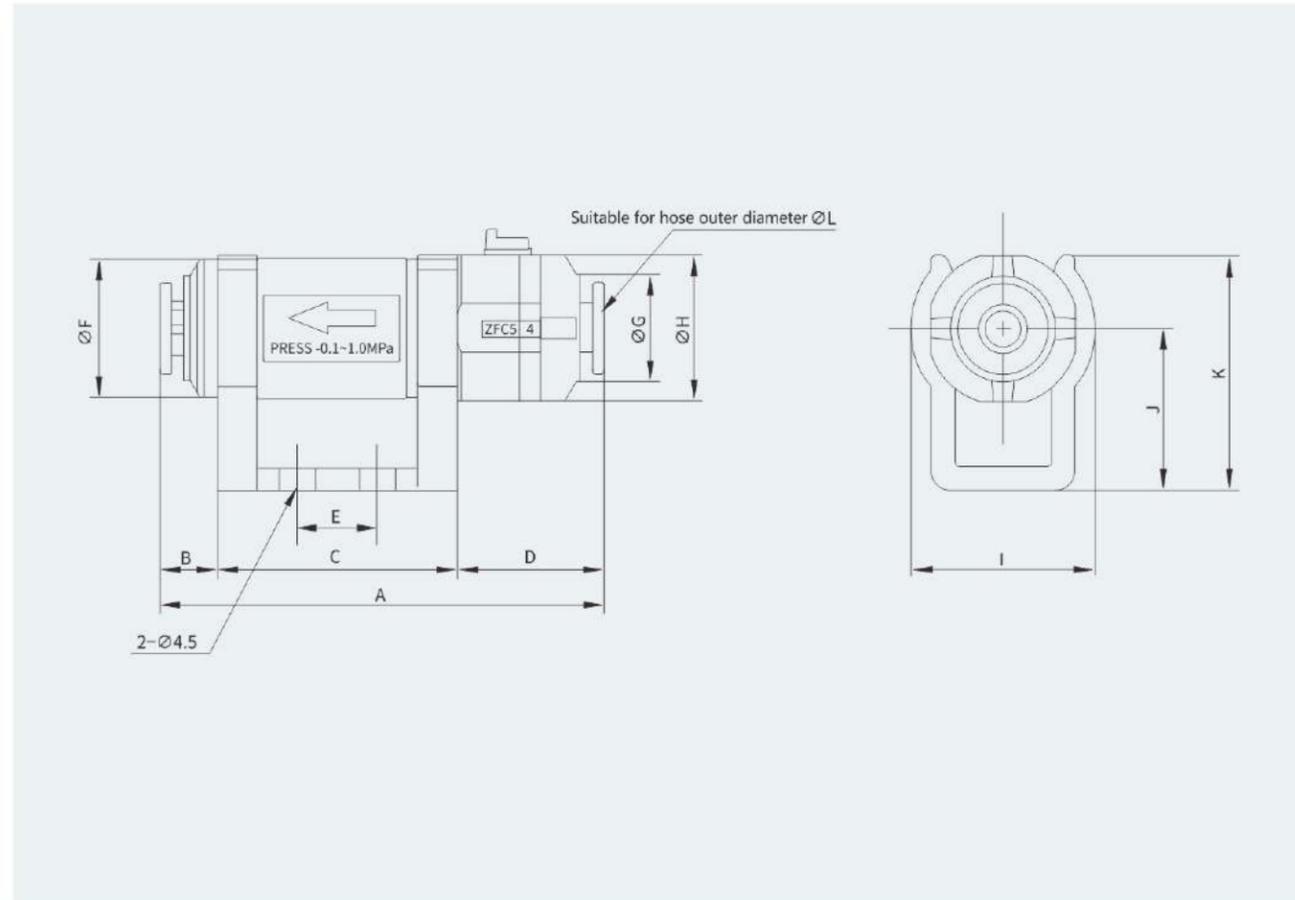
B - With installation bracket

Model	Flexible hose diameter	3	4	5	6	7	Bracket
ZFC5		●	●	-	-	-	●
ZFC7		-	●	●	●	●	●

PERFORMANCE PARAMETER

Model	ZFC53-B	ZFC54-B	ZFC74-B	ZFC75-B	ZFC76-B	ZFC77-B
Diameter of hose (mm)	Ø4	Ø6	Ø6	Ø8	Ø10	Ø12
Positive pressure flow rate (NL/min)	40	130	140	280	320	370
Vacuum flow rate (NL/min)	10	75	80	110	120	140
Using fluids	Air, nitrogen					
Pressure range	-0.1MPa-1.0MPa					
Filtering accuracy (µM)	10					
Operating temperature (°C)	0-60 (Unfrozen)					
Maximum pressure resistance (Mpa)	1.2					
Suitable for hose materials	Nylon, soft nylon, PU hose, extremely soft PU pipe					
Filter element	ZFC-5			ZFC-7		

SPECIFICATION AND SIZE (MM)



Model	A	B	C	D	E	F	G	H	I	J	K	L
ZFC53-B	55.5	8	30	10	10	17	13	19	23	20	29	4
ZFC54-B	55.5	8	30	10	10	17	13	19	23	20	29	6
ZFC74-B	67	10.5	34	12	14	21.5	15.5	23	29	24	35	6
ZFC75-B	69.5	12	34	13	14	21.5	16	23	29	24	35	8
ZFC76-B	78.5	17	34	18	14	21.5	19.5	23	29	24	35	10
ZFC77-B	78.5	17	34	18	14	21.5	21	23	29	24	35	12

HFL03 SERIES LINEAR VACUUM FILTER



PRODUCT FEATURES

- *The linear filter separates and filters the dust and impurities sucked in from the air inlet
- *Can be directly connected to the vacuum port of the generator, such as BM, BX and other products
- *Linear vacuum filter has a simple structure, small volume, replaceable filter element, and is economical and environmentally friendly
- *Linear filters are suitable for vacuum systems with moderate pollution levels

MODEL SPECIFICATIONS

HFL - 03

①

②

① Product Series

② Specifications and dimensions

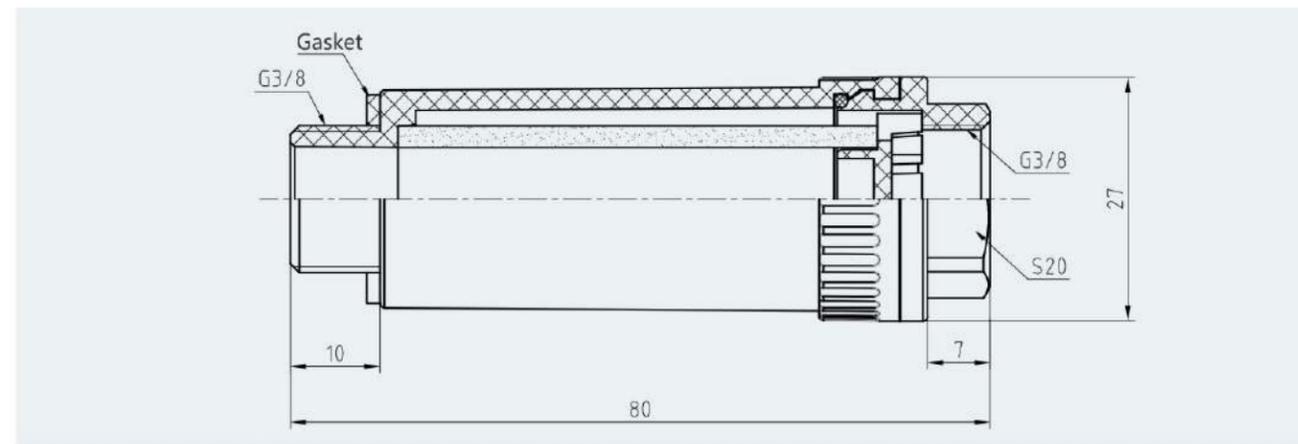
HFL

03-G3/8 External thread

PERFORMANCE PARAMETER

Model	Connection thread specifications	Ambient and fluid temperatures°C	Operating pressure range kPa	Vacuum filter accuracy μm
HFL-03	G3/8	5~50	-100~0	10

SPECIFICATION AND SIZE (MM)



YF SERIES VACUUM FILTER



PRODUCT FEATURES

- *Small in size and light in weight.
- *Quick connector type, convenient and fast configuration.
- *Direct type, import and export on the same line, easy to install.

MODEL SPECIFICATIONS

YF 44M

①

②

① Product Series

② Intubation diameter

YF

44M-Φ4mm
66M-Φ6mm

PERFORMANCE PARAMETER

Model	Intubation diameter mm	Ambient and fluid temperatures °C	Operating pressure range kPa	Vacuum filter accuracy μm
YF44M	Φ4	5~50	-100~0	10
YF66M	Φ6	5~50	-100~0	10

SPECIFICATION AND SIZE (MM)

YF44F/YF66F

