

VFU series Air Suction Filter with One-touch Fitting

Product features/ Code of order

CHELIC

Feature

- Negative pressure filtration: To filtering and removing dust and other foreign matter from the air. The density of the impurities is 40μm and the connection port size can be up to φ1".
- Easy to replace: When the filter element is blocked and the flow is affected, the cup body is easy to disassemble and easy to replace.



Symbol:

Specification

Item	Model	VFU01-04	VFU01-06	VFU02-06	VFU02-08	VFU03-08	VFU03-10
Port size (IN Side, OUT Side)	L/min(ANR)	4	6	6	8	8	10
Flow		10	20	30	50	75	75
Fluid		Air					
Pressure range	MPa(kPa)	-0.1~0(-100 ~ 0)					
Proof pressure	MPa(kPa)	0.5(500)					
Ambient and fluid temperature	°C	0 ~ 60 (No freezing status)					
Nominal filtration rating	μm	30					
Element differential pressure resistance	MPa(kPa)	0.15 (150)					
Applicable piping tube		Nylon, Soft nylon					

Note 1: If the working environment is close to chemical area, it is possible to damage the VFU body, please avoid applying VFU in this kind of area. (Please do avoid alcohol and acetone)

Note 2: Please avoid applying VFU under continuing pressure which may cause damage.

Code of order VFU 01 04

1 2

1

Mark	Fluid L/min(ANR)
01	20
02	50
03	75

2

Mark	Port size (mm)
04	Ø 4
06	Ø 6
08	Ø 8
10	Ø 10

VFU Selection table:

Model	1 Flow	2 Port size
VFU	01	04
		06
	02	06
		08
	03	08
		10

Product weight

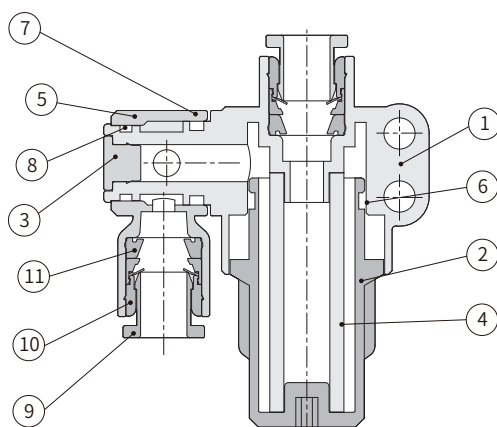
Model	Specification	Weight (g)
VFU	0104	20
	0106	22
	0206	33
	0208	35
	0308	49
	0310	53

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Internal structure



Components and Material list

No.	Item	Material	No.	Item	Material
01	Body	Nylon fiber	07	O-ring	NBR
02	PC bow	Plastic	08	O-ring	NBR
03	Cover	Copper	09	Release ring	POM
04	Filter	EA30	10	Copper set	-
05	QSC Plastic Body	NBR	11	Fitting gasket	NBR
06	PC cup O-ring	NBR	12		

How to replace filter element

1. Stop the operation first, then release inner vacuum pressure air to Atmospheric pressure.
2. Please turn PC bowl in counterclockwise: turn "L" (Lock) to "O" (Open). See Figure 1
3. Please pull out the bowl and take out the filter element. Then apply blow gun to clean dust or objects in bowl for making sure the cleaning. Meanwhile, you may exam the O-ring if in a good condition. See Figure 2
4. Raplace the filter element.
5. Insert the PC bowl to "O" (Open) and turn in clockwise position to "L" (Lock). See Figure 3
6. After assembly according to above procedure, the product can be processed properly.

Figure 1

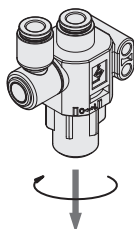


Figure 2

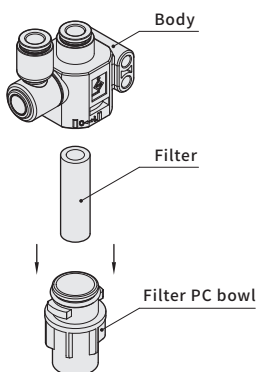
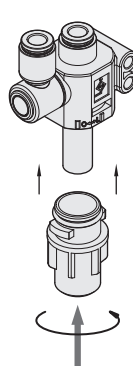


Figure 3

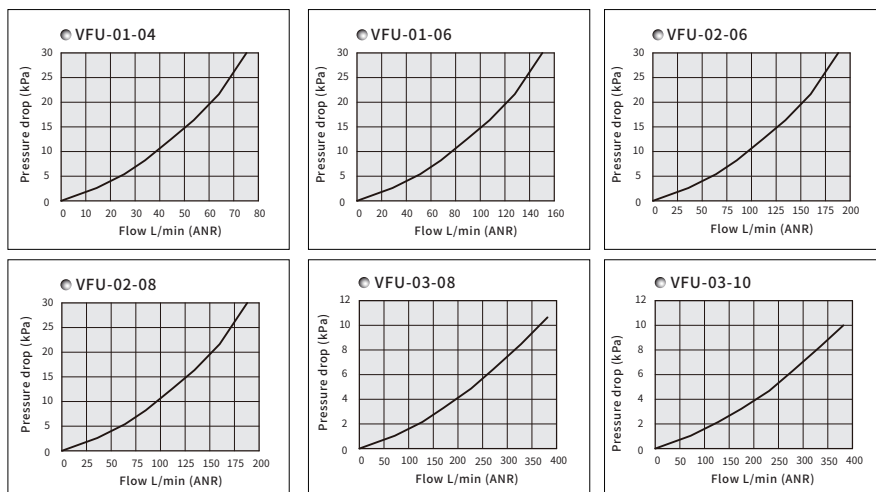


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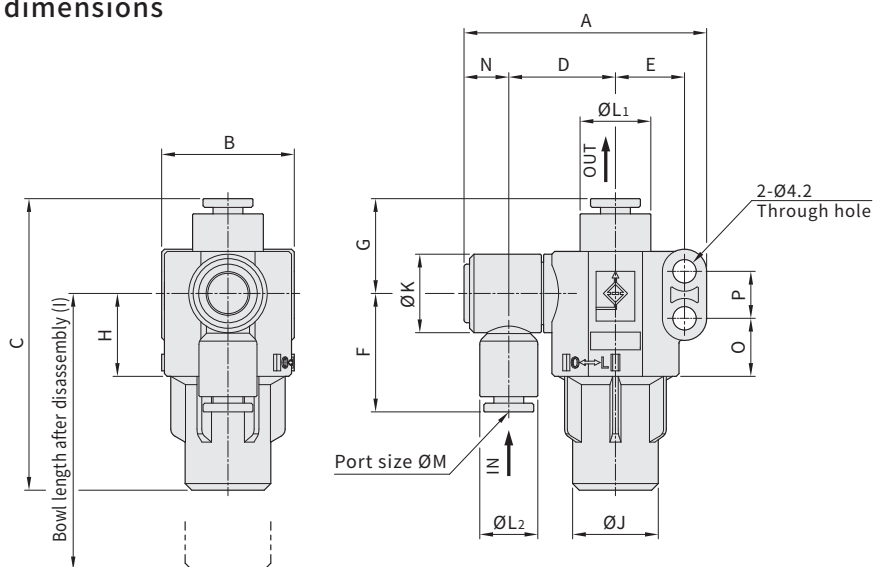
Characteristic graph/ Dimensions

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Flow rate characteristics



External dimensions



Unit: mm

Model	A	B	C	D	E	F	G	H	I	J	K	L1	L2	M	N	O	P	Weight(g)
VFU 01-04	44	24	53	19.3	12.5	21.5	17.2	15	50	15.5	14.2	12.8	10.5	4	8.1	10.5	8.5	22
VFU 01-06						23.6	17.3						12.4	6				23
VFU 02-06	48	27	65	21.7	13	25.9	19.3	16	61	17.5	18.6	15.2	12.4	6	9.3	11.3	10	33.4
VFU 02-08				22.2		27.6	19.4						14.3	8				34.7
VFU 03-08	56	29	70	25.9	14.5	29.8	20.9	17	65	21.5	23	18.5	14.3	8	11.7	11.5	13	48.8
VFU 03-10			71			32.2	21.5						17.9	10				53.4