

# VFD series In-line Air Filter

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 10 $\mu$ m and the connection port size can be up to  $\phi$ 1.
- 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.



## Specification

Item	Model	VFD01	VFD02	VFD03	VFD04
Port size	$\phi$ (mm)	4	4, 6	6, 8, 10	10, 12
Filter area	cm <sup>2</sup>	5	7.5	12.5	15
Withstanding pressure	MPa(kPa)	0.3(300)			
Pressure range	MPa(kPa)	-0.1~0(-100~0)			
Filter grade	$\mu$ m	10			
Ambient and fluid temperature	$^{\circ}$ C	0~60			

## Code of order **VFD 03 06**

1 2

1

Mark	Filter area (mm <sup>2</sup> )
01	5
02	7.5
03	12.5
04	15

2

Mark	Port size (mm)
04	$\phi$ 4
06	$\phi$ 6
08	$\phi$ 8
10	$\phi$ 10
12	$\phi$ 12

### VFD Selection table:

Mark	1 Filter area	2 Port size
VFD	01	04
		06
	02	04
		06
	03	06
		08
		10
	04	10
12		

## Product weight

Unit: mm

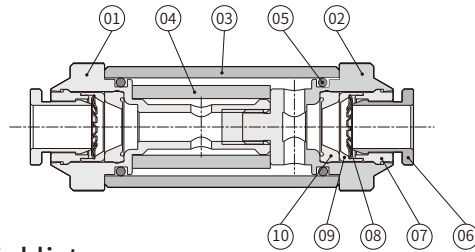
Model	Port size $\phi$ D	B	L1	L2	$\phi$ P1	$\phi$ P2	C	F1	F2	Filter area mm <sup>2</sup>	weight (g)
VFD 01 04	$\phi$ 4	53.5	9.8	5.8	14.5	13.5	14.2	10	20	5	20
VFD 02 04	$\phi$ 4	53.5	9.8	5.8	18.5	17.5	14.2	10	20	7.5	25
VFD 02 06	$\phi$ 6	55.5	10.8	5.8	18.5	17.5	15.5	10	20	7.5	25
VFD 03 06	$\phi$ 6	63	11.3	6.3	22.5	21.5	17	14	24	12.5	25
VFD 03 08	$\phi$ 8	65.2	12.4	6.4	22.5	21.5	17.2	14	24	12.5	39.5
VFD 03 10	$\phi$ 10	76.5	18	7	22.5	21.5	20.1	14	24	12.5	39.5
VFD 04 10	$\phi$ 10	80.9	16.2	7.7	26.5	25.5	20.9	16	28.5	15	52
VFD 04 12	$\phi$ 12	86.4	19	8	26.5	25.5	23.7	16	28.5	15	52

# VFD series In-line Air Filter

Product features/ Characteristic graph

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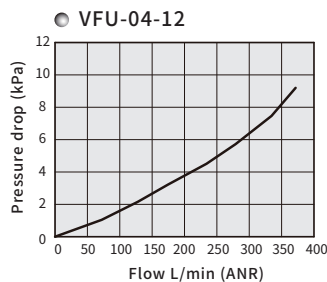
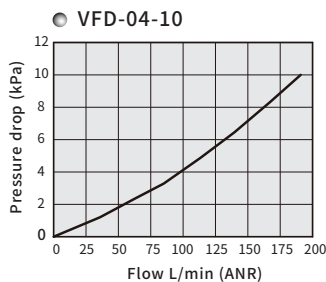
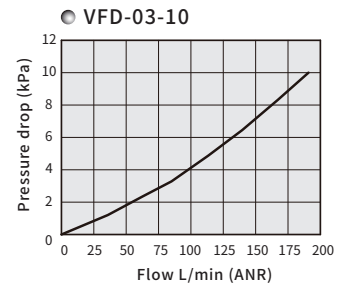
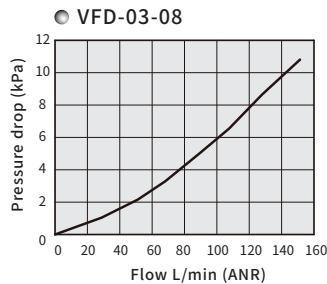
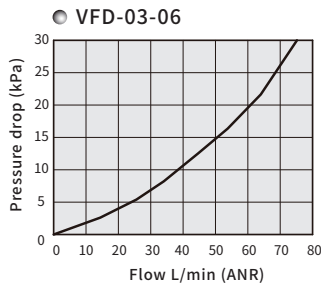
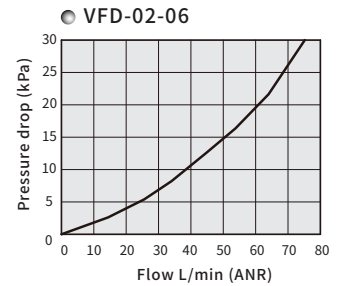
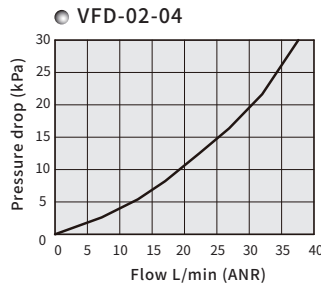
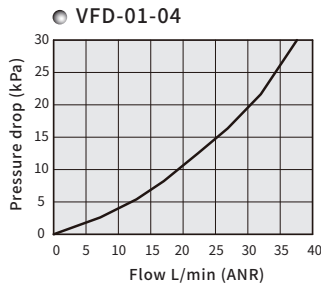
## Internal structure



## Components and Material list

No.	Item	Material	No.	Item	Material
01	Main body(Inlet)	Aluminum alloy	07	Central block seat	Nylon fiber
02	Main body(Outlet)	Aluminum alloy	08	Finger	Stainless steel sheet
03	Bowl guard	Nylon	09	Finger base	Copper
04	Filter	Foam cotton	10	Packing	NBR
05	Body cover O-ring	NBR	11	Bracket	Nylon fiber
06	Release ring	POM	12		

## Flow rate characteristic graph



EV

EVM

VA

VM

VM  U

VHS

VSL

VKM

VKMT

VCK

VK20

VK30

VQ20

VFD

VFM

VFU

ERV

ERVL

MVS

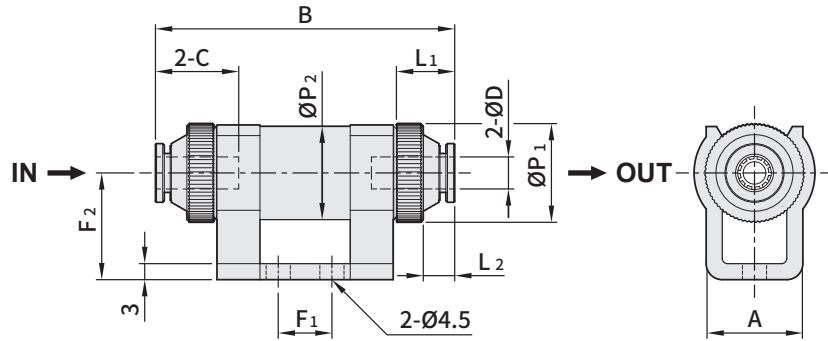
DYC

# VFD series In-line Air Filter

## Product features

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### External dimensions



Unit: mm

Model	Port size ØD	A	B	L1	L2	Ø P1	Ø P2	C	F1	F2	Filter area mm <sup>2</sup>	Weight (g)
VFD-01-04	Ø 4	14.7	53.5	9.8	5.8	14.5	13.5	14.2	10	20	5	20
VFD-02-04	Ø 4	18	53.5	9.8	5.8	18.5	17.5	14.2	10	20	7.5	25
VFD-02-06	Ø 6	18	55.5	10.8	5.8	18.5	17.5	15.5	10	20	7.5	25
VFD-03-06	Ø 6	19.6	63	11.3	6.3	22.5	21.5	17	14	24	12.5	25
VFD-03-08	Ø 8	19.6	65.2	12.4	6.4	22.5	21.5	17.2	14	24	12.5	39.5
VFD-03-10	Ø 10	19.6	76.5	18	7	22.5	21.5	20.1	14	24	12.5	39.5
VFD-04-10	Ø 10	22	80.9	16.2	7.7	26.5	25.5	20.9	16	28.5	15	52
VFD-04-12	Ø 12	22	86.4	19	8	26.5	25.5	23.7	16	28.5	15	52

### Instructions

