

## FB

### Vacuum Filter



#### Product Features

- Filter the dust and other impurities sucked in from the air intake.
- You could check the element inside through transparent bowl.
- Filter element can be replaced.
- Reduce the risk of interruption or stoppage of vacuum pump and vacuum ejectors.
- Different nominal flow specifications are available.
- Press and rotate assembly for easy disassembly and installation.

#### Specifications

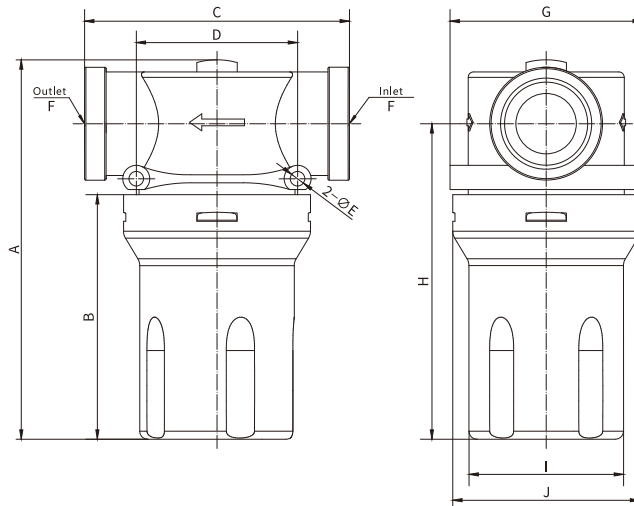
### FB – 10

#### Performance Overview

- Suit for vacuum systems with moderate and light pollution levels.
- It can be used as pre-filtration, filter different degrees of dust effectively.

| ①Product Series | ②Thread Size          | Filter Material                   |
|-----------------|-----------------------|-----------------------------------|
| FB              | 10-G3/8 female thread | PE-Nominal filtration rating 10μm |
|                 | 15-G1/2 female thread |                                   |
|                 | 20-G3/4 female thread |                                   |

#### Main Dimension



#### Performance Parameters

| Model No. | Pressure Range (kPa) | Material          | Temperature Range (°C) | Filter Precision (μm) | Nominal Flow (NL/min) | Internal Vacuum Capacity (cm <sup>2</sup> ) | Filter Area (cm <sup>2</sup> ) | Weight (g) |
|-----------|----------------------|-------------------|------------------------|-----------------------|-----------------------|---------------------------------------------|--------------------------------|------------|
| FB-10     | -100~0               | PA-noumenon       | -20~80                 | 10                    | 150                   | 45                                          | 0.003                          | 70         |
| FB-15     |                      | PC-filter bowl    |                        |                       | 900                   | 195                                         | 0.010                          | 168        |
| FB-20     |                      | PE-filter element |                        |                       | 900                   | 205                                         | 0.010                          | 170        |

#### Filter Element Specification

|                               | FB10-LX | FB15-LX | FB20-LX |
|-------------------------------|---------|---------|---------|
| Weight(g)                     | 7       | 26      | 26      |
| Filter Area(m <sup>2</sup> )  | 0.003   | 0.010   | 0.010   |
| Nominal Filtration Rating(μm) | 10      | 10      | 10      |

## FD

### Vacuum Filter



#### Product Features

- Small volume, light weight, with mounting bracket.
- Quick connector type, easy to configure.
- Filter element can be replaced, standard model with bracket.
- With a fast assembly and disassembly structure, the filter element can be replaced without tools.
- Through-type, inlet and outlet stand in same line, easy to install.
- Suit for vacuum systems with moderate and light pollution levels.

#### Specifications

**FD 100 - 04** ☐

①      ②      ③      ④

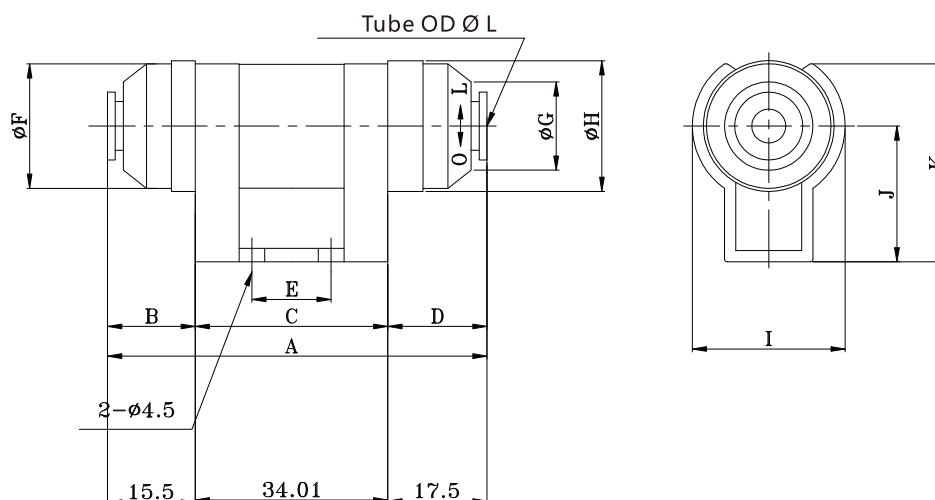
| ①Product Series | ②Vacuum Flow Rate                | ③IN、OUT Hose OD                  | ④Bracket          |
|-----------------|----------------------------------|----------------------------------|-------------------|
| FD              | 100: maximum flow rate: 20NL/min | 04-Ø4 (ZFC100)<br>06-Ø6 (ZFC100) | Blank-no<br>B=yes |
|                 | 200: maximum flow rate: 50NL/min | 06-Ø6 (ZFC200)<br>08-Ø8 (ZFC100) |                   |

#### Performance Parameters

| Model No.                          | FD100-04B                                       | FD100-06B | FD200-06B | FD200-08B |
|------------------------------------|-------------------------------------------------|-----------|-----------|-----------|
| Adjusting Tube OD (mm)             | Ø4                                              | Ø6        | Ø6        | Ø8        |
| Flow Rate (NL/min)                 | 10                                              | 20        | 30        | 50        |
| Fluid                              | Air、Nitrogen                                    |           |           |           |
| Operating Pressure Range (kPa)     | -100~0                                          |           |           |           |
| Nominal Filtration Rating (µm)     | 10                                              |           |           |           |
| Ambient and Fluid Temperature (°C) | 0~60 (No freezing)                              |           |           |           |
| Proof Pressure (bar)               | 1.5                                             |           |           |           |
| Tube Material                      | Nylon、Soft nylon、PU tube、Extremely soft PU tube |           |           |           |
| Filter Element                     | FD-100-LX                                       |           | FD-200-LX |           |

| Model No. | A    | B    | C  | D    | E  | F  | G    | H    | I  | J  | K  | L |
|-----------|------|------|----|------|----|----|------|------|----|----|----|---|
| FD100-04B | 53.2 | 9.1  | 30 | 14.1 | 10 | 18 | 11.6 | 19.5 | 23 | 20 | 29 | 4 |
| FD100-06B | 53.2 | 9.1  | 30 | 14.1 | 10 | 18 | 11.6 | 19.5 | 23 | 20 | 29 | 6 |
| FD200-06B | 67   | 15.5 | 34 | 17.5 | 14 | 22 | 15.6 | 23.1 | 27 | 24 | 35 | 6 |
| FD200-08B | 67   | 15.5 | 34 | 17.5 | 14 | 22 | 15.6 | 23.1 | 27 | 24 | 35 | 8 |

#### Main Dimension



## FC

### Vacuum Filter



#### Product Features

- Small volume, light weight with mounting bracket.
- Quick connector type, easy to connect with pipe.
- Quick assembly and disassembly structure, filter element can be replaced without tools.
- Transparent bowl, arrows indicate the direction of air flow, can visualize the contamination level of the filter.
- Can be used in positive or negative pressure system.
- Suit for positive pressure and vacuum systems at moderate and light pollution levels.

#### Specifications

**FC 5 4 - B**

① ② ③ ④

| ① Product Series | ② Filter Specifications                                               | ③ Tube OD                                | ④ Bracket |
|------------------|-----------------------------------------------------------------------|------------------------------------------|-----------|
| FC               | 5-Filter area 790mm <sup>2</sup><br>7-Filter area 1280mm <sup>2</sup> | 4-Ø4<br>6-Ø6<br>8-Ø8<br>10-Ø10<br>12-Ø12 | B-Yes     |

#### Type

| Type/Tube Diameter | 4 | 6 | 8 | 10 | 12 | Bracket |
|--------------------|---|---|---|----|----|---------|
| FC5                | • | • | — | —  | —  | •       |
| FC7                | — | • | • | •  | •  | •       |

#### 性能参数

| Model No.                                  | FC54-B                                             | FC56-B | FC76-B | FC78-B | FC710-B | FC712-B |
|--------------------------------------------|----------------------------------------------------|--------|--------|--------|---------|---------|
| Tube Diameter (mm)                         | Ø4                                                 | Ø6     | Ø6     | Ø8     | Ø10     | Ø12     |
| Flow Rate Under Positive Pressure (NL/min) | 40                                                 | 130    | 140    | 280    | 320     | 370     |
| Flow Rate Under Negative Pressure (NL/min) | 10                                                 | 75     | 80     | 110    | 120     | 140     |
| Fluid                                      | Air, Nitrogen                                      |        |        |        |         |         |
| Operating Pressure Range                   | -0.1MPa~1.0MPa                                     |        |        |        |         |         |
| Nominal Filtration Rating (µm)             | 5                                                  |        |        |        |         |         |
| Working Temperature (°C)                   | 0~60 (No freezing)                                 |        |        |        |         |         |
| Proof Pressure (MPa)                       | 1.2                                                |        |        |        |         |         |
| Tube Material                              | Nylon, Soft nylon, PU tube, Extremely soft PU tube |        |        |        |         |         |
| Filter Element                             | FC5-LX                                             |        | FC7-LX |        |         |         |

| Model No. | A    | B    | C  | D  | E  | F    | G    | H  | I  | J  | K  | L  |
|-----------|------|------|----|----|----|------|------|----|----|----|----|----|
| FC54-B    | 55.5 | 8    | 30 | 10 | 10 | 17   | 13   | 19 | 23 | 20 | 29 | 4  |
| FC56-B    | 55.5 | 8    | 30 | 10 | 10 | 17   | 13   | 19 | 23 | 20 | 29 | 6  |
| FC76-B    | 67   | 10.5 | 34 | 12 | 14 | 21.5 | 15.5 | 23 | 29 | 24 | 35 | 6  |
| FC78-B    | 69.5 | 12   | 34 | 13 | 14 | 21.5 | 16   | 23 | 29 | 24 | 35 | 8  |
| FC710-B   | 78.5 | 17   | 34 | 18 | 14 | 21.5 | 19.5 | 23 | 29 | 24 | 35 | 10 |
| FC712-B   | 78.5 | 17   | 34 | 18 | 14 | 21.5 | 21   | 23 | 29 | 24 | 35 | 12 |

#### Main Dimension

