



BFH

Bag filter for drinking and industrial water

Rev. 0 - 03/24



CHARACTERISTICS



The bag filters of the BFH series are the innovative range of stainless-steel filters, ideal for use for the filtration of liquids with a high percentage of suspended solids, for paints, oils, etc. Bag filters are used for filtration of resins, paints, solvents, water and detergent filtration, process filtration in the food, pharmaceutical and industrial industries.

The BFH filter consists of a containment body and a closing lid. Everything is held together by a practical clamp system that allows rapid disassembly of the filter in all its parts and its sanitization.

The filter is equipped with a stainless-steel basket inside which there is a polypropylene filter bag (standard version). BFH bag filters offer great versatility of use given the possibility of using filter bags with different degrees of filtration in polypropylene, polyester or nylon.

The standard execution of the BFH filters includes the filter body in AISI304 stainless steel (on request in AISI316) and the support basket in AISI316 stainless steel. The gaskets are in EPDM. The filter bags are made of polypropylene and are available with filtration degrees of 5-15-25-50-100 microns. Nylon or polyester filter bags are available on request. Each bag-holder basket has a sealing O-ring and the bag-holding handle, thanks to a simple device, guarantees a perfect seal on the basket and on the bag.

AISI316 stainless steel pressure gauges in glycerin bath on request.

The range of BFH filters is available with connections from 2" up to DN80, being able to process flow rates from 11 to 56 m³/h depending on the bag and the micronage adopted.



MAX PRESSURE

8 bar



BAG FILTRATION RATING

5-100 μ



MAX FLOW RATE

11-56 m³/h

TECHNICAL DATA

| Code | | FBH412001011 | FBH412001012 | FBH412001221 | FBH412001222 | FBH412001223 | FBH412001224 |
|-----------------------------|-------------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Model | | BFH 250-1 | BFH 250-2 | BFH 250-1 | BFH 250-2 | BFH 250-1 | BFH 250-2 |
| In/Out connections | | 2" | 2" | DN65 | DN65 | DN80 | DN80 |
| Drain connections | | 1/2" | | | | | |
| Vacuum flow rate | m ³ /h | 30 | | 36 | | 72 | |
| Min./max. working pressure | bar | 1,5 - 8 | | | | | |
| Internal basket measurement | mm | ø 141 × 202 | ø 220 × 330 | | ø 250 × 330 | | |
| Internal basket number | mm | 1 | | | | 2 | |
| Basket drilling | mm | ø 3 | | | | | |
| Min./max. water temperature | °C | 5 - 80 | | | | | |
| Seals | | EPDM | | | | | |
| Outer casing material | | AISI304 o AISI316 | | | | | |
| Internal basket material | | AISI316 | | | | | |
| Air vent | | ø 1/2" | | | | | |
| Closure | | Clamp type | | | | | |

FLOW RATE DATA REFERRED TO THE BFH FILTER COMPLETE WITH BAG BAG FILTER SERIES 1 → SHORT BAG Ø 180 H. 43

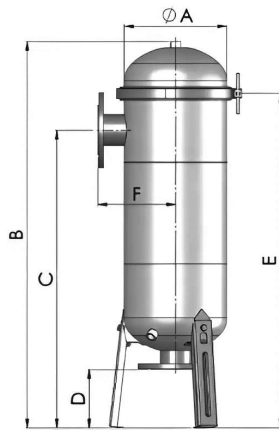
| Model | | Short bag 5 µ | Short bag 15 µ | Short bag 25 µ | Short bag 50 µ | Short bag 100 µ |
|---------------|-------------------|---------------|----------------|----------------|----------------|-----------------|
| BFH-1 ATT. 2" | m ³ /h | 11 | 18 | 22 | 26 | 28 |
| BFH-1 DN65 | m ³ /h | 11 | 18 | 22 | 26 | 28 |
| BFH-1 DN80 | m ³ /h | 11 | 18 | 22 | 26 | 28 |

FLOW RATE DATA REFERRED TO THE BFH FILTER COMPLETE WITH BAG BAG FILTER SERIES 2 → LONG BAG Ø 180 H. 820

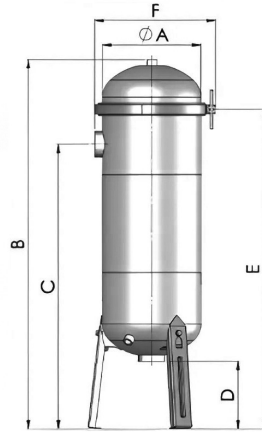
| Model | | Long bag 5 µ | Long bag 15 µ | Long bag 25 µ | Long bag 50 µ | Long bag 100 µ |
|---------------|-------------------|--------------|---------------|---------------|---------------|----------------|
| BFH-2 ATT. 2" | m ³ /h | 22 | 30 | 30 | 30 | 30 |
| BFH-2 DN65 | m ³ /h | 22 | 36 | 36 | 36 | 36 |
| BFH-2 DN80 | m ³ /h | 22 | 36 | 44 | 52 | 56 |



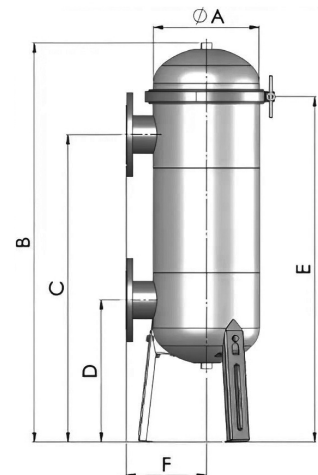
OVERALL DIMENSIONS



Series 250, DN65



Series 250, 2



Series 250, Duplex / Dual Flow

| Code | A | B | C | D | E | F | Weight |
|---------------------|-----|------|------|-----|------|-------|--------|
| | mm | mm | mm | mm | mm | mm | Kg |
| FBH412001011 | 252 | 954 | 735 | 175 | 825 | 320 | 15,0 |
| FBH412001012 | 252 | 1324 | 1110 | 175 | 1195 | 320 | 20,0 |
| FBH412001221 | 252 | 954 | 735 | 145 | 825 | 191,5 | 18,5 |
| FBH412001222 | 252 | 1324 | 1110 | 145 | 1195 | 191,5 | 23,5 |
| FBH412001223 | 252 | 954 | 735 | 340 | 825 | 191,5 | 58,0 |
| FBH412001224 | 252 | 1324 | 1110 | 340 | 1195 | 191,5 | 65,5 |



OPTIONAL ACCESSORIES

• BAG FILTER series 1 → short bag Ø 180 H. 430

Filter bags made of polypropylene available with filtration degrees of 5-15-25-50-100 micron suitable for the BFH series 1 filter.

| | |
|----------------------|-------------------------------|
| COD. SCFLT002 | bag PP - 1/5 - 5 µ" |
| COD. SCFLT003 | bag PP - 1/15 - 15 µ |
| COD. SCFLT004 | bag PP - 1/25 - 25 µ |
| COD. SCFLT005 | bag PP - 1/50 - 50 µ |
| COD. SCFLT006 | bag PP - 1/100 - 100 µ |

• BAG FILTER series 2 → long bag Ø 180 H. 820

Filter bags made of polypropylene available with filtration degrees of 5-15-25-50-100 micron suitable for the BFH series 1 filter.

| | |
|-----------------------|-------------------------------|
| COD. SCFLT008 | bag PP - 2/5 - 5 µ" |
| COD. SCFLT009 | bag PP - 2/15 - 15 µ |
| COD. SCFLT0010 | bag PP - 2/25 - 25 µ |
| COD. SCFLT0011 | bag PP - 2/50 - 50 µ |
| COD. SCFLT0012 | bag PP - 2/100 - 100 µ |

• MANOMETERS

Stainless steel pressure gauges in glycerine bath - 1/4" - Ø 63 - 1/10 bar
n. 2 per filter

COD. 23022072



EQUIPMENT AND SUPPLY SPECIFICATIONS

BFH is supplied complete with removable basket, without the filter bag (to be ordered separately); instruction - maintenance manual in Italian (including declaration of conformity).

Shipping managed on pallets.



REFERENCE STANDARDS

Ministerial Decree No. 174/2004: Regulation concerning materials and objects that can be used in fixed systems for the collection, treatment, supply and distribution of water intended for human consumption.

Art. 4 Par. 3 Of Directive 2014/68/EU (PED).



PRECAUTIONS AND WARNINGS

It is necessary to protect the filter from the direct action of sunlight and away from frost. Do not exceed the maximum working pressure indicated.

If the supply pressure is higher,

install a pressure reducer upstream of the filter. Periodically check the operation of the filter.



MAINTENANCE

The filters must be monitored, in particular regarding the pressure drop value through the basket. Once the maximum allowable pressure drop has been reached, it is necessary to clean the basket. The filters are not provided with anti-flooding devices capable of detecting and intervening in the event of breakages or blockages of the device and, therefore, avoiding possible flooding or uncontrolled water consumption.

The frequency of maintenance depends on the conditions of the environment in which the filter is installed and the severity of the work to which it is subjected.

Respect all the instructions given in the User and Maintenance Manual.



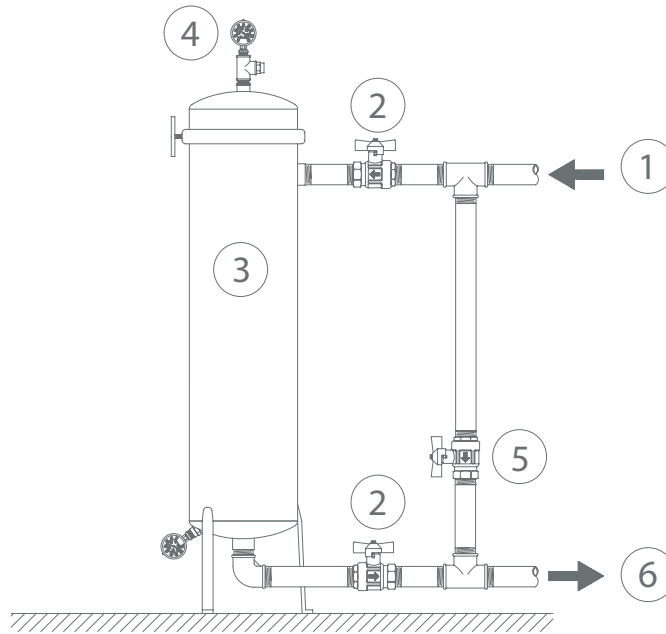
INSTALLATION

The installation of the filter must be carried out exclusively by qualified personnel in full compliance with local regulations. The BFH filter must be installed upstream of the circuit to be protected. Install an adequate valve system that allows you to exclude the filter in the event of a malfunction without preventing the water supply (by-pass). Provide an adequate visible drain under the filter.

In the case of installation on drinking water, provide for the installation of sampling taps upstream and downstream of the filter.

Respect all the instructions given in the User and Maintenance Manual.

INDICATIVE INSTALLATION DIAGRAM



1. Ingresso acqua grezza; 2. Valvola di intercettazione; 3. Filtro BFH;
5. Manometro e valvola di sfiato; 6. Uscita acqua filtrata.



SPARE PARTS

Spare parts for the equipment are available on request in the dedicated price list.

AVERAGE DELIVERY TIMES

2-3 weeks

GENERAL EXCLUSIONS

- Special dedicated packaging, where required - wooden crates
- Equipment start-up and final testing: management not necessary by an Authorized Assistance Center See the manual for correct installation of the product
- Lifting and handling means
- Hydraulic and electrical connections to our plant and to our utilities
- Masonry, carpentry and foundation works
- Chemical analyses
- Structural calculations
- Anything not expressly mentioned in the offer