

Industrial self cleaning filters

BACKWASHABLE SELF CLEANING FILTERS

FILBLACK FBK-4000-02

[Download technical drawing PDF](#)



TECHNICAL FEATURES

| | |
|--|---------------------------------|
| Type | FILBLACK FBK-4000-02 |
| Material | AISI 316 L |
| N. basket - Height | 2x20 " |
| Continuous flow | No |
| Micron | 50, 80, 125, 200, 300, 500, 800 |
| Efficiency | 90% |
| Efficiency on non compressible particles | High |
| Efficiency on compressible particles | Good |
| Efficiency on light particles | Good |

DESIGN DATA

| | |
|------------------------------|--|
| Min working pressure | 1 bar |
| Max working pressure | 10 bar |
| Hydraulic test pressure | 15 bar |
| Max working temperature | 50°C |
| pH min | 5 |
| pH max | 9 |
| Max diameter inlet particles | 3 mm |
| Max total suspended solids | 50 mg/l (50-80 Micron) 100 mg/l (125-200-300-500-800 Micron) |
| Max pressure difference | 2 bar |

POWER

SCOPE OF USE

Water

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APPLICATIONS

Prefiltration for water treatment plants

Process water

Evaporative cooling towers

Heat exchangers

Irrigation

Aquaculture

Protection of spray nozzles

Prefiltration for ultrafiltration (UF) plants

Prefiltration for reverse osmosis (RO) plants

| Code | Description | Filtering surface | Height | Connecti on drain | Micron | Flow rate | Cleaning flow rate at 2 bar(m3/h)" | Cleaning time (sec) | Euro/each |
|---------------------|----------------------|---------------------|--------|-------------------|--------|-----------|------------------------------------|---------------------|-----------------------|
| FBK4000316L022050M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 50 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L022080M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 80 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L0220125M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 125 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L0220200M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 200 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L0220300M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 300 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L0220500M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 500 | 36.000 | 36,00 | 10 | Login |
| FBK4000316L0220800M | FILBLACK FBK-4000-02 | 0.44 m ² | 2x20 " | 1/2"G " | 800 | 36.000 | 36,00 | 10 | Login |



European Community members only.

These filters are free of the "CE" stamp since they are included in the article n. 4 para 3 of the P.E.D. 2014/68/EU of 15 May 2014. These filters can be used only with the fluid and design that respect the conditions established by the directive above mentioned.

PED REFERENCES: PED 2014/68/EU

FLUID: NOT DANGEROUS, ARTICLES: 4.1 LETTER (a) (ii); 4.3; 13.1

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For determining the flow rate, we recommend using the calculation software [Everblue Selector](#) or consulting our virtual assistant BlueBot available on the [homepage](#).

SELF CLEANING FILTERS CODE LIST

| Model | Material | Connection IN/OUT | Micron | Specs and finishing |
|---------|--------------------|-------------------|--|----------------------|
| FBK4000 | AISI 316 L 316L | 2x20 " 0220 | 50 µm 80 µm 125 µm 200 µm 300 µm 500 µm 800 µm | Ceramic blasted M |



Approximate picture. End caps and height's choice will lead to the assembly of a product which could differ from those shown in figure
Flow rate chart available on www.everblue.it by choosing microns gradient and connections and selecting specific product data sheet