

Industrial self cleaning filters

SELF CLEANING FILTERS WITH SUCTION NOZZLES

FILBLACK FBK2000A

[Download technical drawing PDF](#)



TECHNICAL FEATURES

Type	FILBLACK FBK2000A
Material	AISI 316 L
In/Out	DN 50 FLANGE EN1092, DN 80 FLANGE EN1092, DN 100 FLANGE EN1092, DN 125 FLANGE EN1092, DN 150 FLANGE EN1092, DN 200 FLANGE EN1092
Continuous flow	Yes
Micron	25, 50, 80, 125, 200, 300, 500, 800
Efficiency	90%
Efficiency on non compressible particles	High
Efficiency on compressible particles	Medium
Efficiency on light particles	Medium

DESIGN DATA

Min working pressure - filtration phase	0.5 bar
Min working pressure - rigeneration cycle	2.5 bar
Max working pressure	8 bar
Hydraulic test pressure	12 bar
Max working temperature	50°C
pH min	5
pH max	9
Max diameter inlet particles	3 mm
Max total suspended solids	20 mg/l (25µm) - 50 mg/l (50-80µm) - 100 mg/l (125-200-300-500-800µm)
Max pressure difference	1 bar

POWER

Electric power	12 Volt DC 10A / 120 Watt
Electric power solenoid valve	12 Volt DC
Air pressure min	2 bar
Air pressure max	8 bar

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	Connection In/Out	Connection drain	Micron	Flow rate	Cleaning flow rate at 2 bar(m3/h)"	Cleaning time (sec)	Power needed (Watt)	Euro/each
FBK2000A316L200FF25M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	25	27.000	4,50	14	120	Login
FBK2000A316L200FF50M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	50	27.000	4,50	14	120	Login
FBK2000A316L200FF80M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	80	27.000	4,50	14	120	Login
FBK2000A316L200FF125M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	125	27.000	4,50	14	120	Login
FBK2000A316L200FF200M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	200	27.000	4,50	14	120	Login
FBK2000A316L200FF300M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	300	27.000	4,50	14	120	Login
FBK2000A316L200FF500M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	500	27.000	4,50	14	120	Login
FBK2000A316L200FF800M	FILBLACK FBK2000A	0.22 m ²	DN 50 FLANGE EN1092	1" 1/2 BSP F	800	27.000	4,50	14	120	Login
FBK2000A316L300FF25M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	25	54.000	4,50	14	120	Login
FBK2000A316L300FF50M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	50	54.000	4,50	14	120	Login
FBK2000A316L300FF80M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	80	54.000	4,50	14	120	Login
FBK2000A316L300FF125M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	125	54.000	4,50	14	120	Login
FBK2000A316L300FF200M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	200	54.000	4,50	14	120	Login
FBK2000A316L300FF300M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	300	54.000	4,50	14	120	Login
FBK2000A316L300FF500M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	500	54.000	4,50	14	120	Login
FBK2000A316L300FF800M	FILBLACK FBK2000A	0.22 m ²	DN 80 FLANGE EN1092	1" 1/2 BSP F	800	54.000	4,50	14	120	Login
FBK2000A316L400FF25M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	25	108.000	8,50	14	120	Login
FBK2000A316L400FF50M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	50	108.000	8,50	14	120	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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Code	Description	Filtering surface	Connection In/Out	Connection on drain	Micron	Flow rate	Cleaning flow rate at 2 bar(m3/h)"	Cleaning time (sec)	Power needed (Watt)	Euro/each
FBK2000A316L400FF80M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	80	108.000	8,50	14	120	Login
FBK2000A316L400FF125M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	125	108.000	8,50	14	120	Login
FBK2000A316L400FF200M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	200	108.000	8,50	14	120	Login
FBK2000A316L400FF300M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	300	108.000	8,50	14	120	Login
FBK2000A316L400FF500M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	500	108.000	8,50	14	120	Login
FBK2000A316L400FF800M	FILBLACK FBK2000A	0.3 m ²	DN 100 FLANGE EN1092	1" 1/2 BSP F	800	108.000	8,50	14	120	Login
FBK2000A316L500FF25M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	25	144.000	8,50	14	120	Login
FBK2000A316L500FF50M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	50	144.000	8,50	14	120	Login
FBK2000A316L500FF80M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	80	144.000	8,50	14	120	Login
FBK2000A316L500FF125M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	125	144.000	8,50	14	120	Login
FBK2000A316L500FF200M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	200	144.000	8,50	14	120	Login
FBK2000A316L500FF300M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	300	144.000	8,50	14	120	Login
FBK2000A316L500FF500M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	500	144.000	8,50	14	120	Login
FBK2000A316L500FF800M	FILBLACK FBK2000A	0.3 m ²	DN 125 FLANGE EN1092	1" 1/2 BSP F	800	144.000	8,50	14	120	Login
FBK2000A316L600FF25M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	25	198.000	11,50	14	120	Login
FBK2000A316L600FF50M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	50	198.000	11,50	14	120	Login
FBK2000A316L600FF80M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	80	198.000	11,50	14	120	Login
FBK2000A316L600FF125M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	125	198.000	11,50	14	120	Login
FBK2000A316L600FF200M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	200	198.000	11,50	14	120	Login
FBK2000A316L600FF300M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	300	198.000	11,50	14	120	Login
FBK2000A316L600FF500M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	500	198.000	11,50	14	120	Login
FBK2000A316L600FF800M	FILBLACK FBK2000A	0.41 m ²	DN 150 FLANGE EN1092	1" 1/2 BSP F	800	198.000	11,50	14	120	Login
FBK2000A316L800FF25M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	25	270.000	11,50	14	120	Login
FBK2000A316L800FF50M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	50	270.000	11,50	14	120	Login
FBK2000A316L800FF80M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	80	270.000	11,50	14	120	Login
FBK2000A316L800FF125M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	125	270.000	11,50	14	120	Login
FBK2000A316L800FF200M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	200	270.000	11,50	14	120	Login
FBK2000A316L800FF300M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	300	270.000	11,50	14	120	Login



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Code	Description	Filtering surface	Connection In/Out	Connection drain	Micron	Flow rate	Cleaning flow rate at 2 bar(m3/h)"	Cleaning time (sec)	Power needed (Watt)	Euro/each
FBK2000A316L800FF500M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	500	270.000	11,50	14	120	Login
FBK2000A316L800FF800M	FILBLACK FBK2000A	0.41 m ²	DN 200 FLANGE EN1092	1" 1/2 BSP F	800	270.000	11,50	14	120	Login

ACCESSORIES

Code	Description	Opzional	?/each	Pic	PDF
ED187LM	12 VDC Power Supply	Yes	Login		

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

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SELF CLEANING FILTERS CODE LIST

Model	Material	Connection IN/OUT	Micron	Specs and finishing
FBK2000A	AISI 316 L 316L	DN 50 FLANGE EN1092 200FF DN 80 FLANGE EN1092 300FF DN 100 FLANGE EN1092 400FF DN 125 FLANGE EN1092 500FF DN 150 FLANGE EN1092 600FF DN 200 FLANGE EN1092 800FF	25 µm 25 50 µm 50 80 µm 80 125 µm 125 200 µm 200 300 µm 300 500 µm 500 800 µm 800	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*