

## Industrial automatic self cleaning filters

### SELF CLEANING FILTERS WITH SUCTION NOZZLES

# FILBLUE FD2000PLC

[Link to product's PDF drawing](#)

 [www.everblue.it/CadDrawings/F20171107085144265MERGED\\_FD2000PLCD](http://www.everblue.it/CadDrawings/F20171107085144265MERGED_FD2000PLCD)

#### FEATURES

Model	FD2000PLC
Material	DUPLEX
Connections	DN 50 FLANGE EN1092, DN 80 FLANGE EN1092, DN 100 FLANGE EN1092, DN 150 FLANGE EN1092, DN 200 FLANGE EN1092
Continuous flow	Yes
Micron	50 - 80 - 125 - 200 - 300 - 500
Efficiency	90%
Efficiency on non compressible particles	High
Efficiency on compressible particles	Good
Efficiency on light particles	Good

#### DESIGN DATA

Min working pressure	0,5 bar
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	60°C
Life test	1.000 cycles from 0 to 10 bar
pH min	-
pH max	8
Max diameter inlet particles	3 mm
Max total suspended solids	50 mg/l (50-80 µm) - 100 mg/l (125-200-300-500 µm)
Max turbidity	10 NTU

#### POWER

Electric power	380 Volt 50 Hz
Electric power solenoid valve	24 AC Volt / 6 Watt
Air pressure min	2 bar
Air pressure max	8 bar

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### APPLICATIONS

Water

Sea water

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	Surface area	Connection In/Out	Connection drain	Micron	Flow rate (l/h) <sup>1</sup>	Cleaning flow rate at 1 bar (m <sup>3</sup> /h)	Cleaning time (sec.)	Power needed (Watt)	Q.tity box	-
FD2000PLCDUP200FF500D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	500	25.000	3,00	15	90	1	
FD2000PLCDUP200FF300D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	300	25.000	3,00	15	90	1	
FD2000PLCDUP200FF200D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	200	25.000	3,00	15	90	1	
FD2000PLCDUP200FF125D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	125	25.000	3,00	15	90	1	
FD2000PLCDUP200FF80D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	80	22.500	3,00	15	90	1	
FD2000PLCDUP200FF50D	FILBLUE FD2000PLC	0,1 m <sup>2</sup>	DN 50 FLANGE EN1092	1" ½ BSP F	50	20.000	3,00	15	90	1	
FD2000PLCDUP300FF500D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	500	60.000	3,00	15	180	1	
FD2000PLCDUP300FF300D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	300	60.000	3,00	15	180	1	
FD2000PLCDUP300FF200D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	200	60.000	3,00	15	180	1	
FD2000PLCDUP300FF125D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	125	60.000	3,00	15	180	1	
FD2000PLCDUP300FF80D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	80	55.000	3,00	15	180	1	
FD2000PLCDUP300FF50D	FILBLUE FD2000PLC	0,15 m <sup>2</sup>	DN 80 FLANGE EN1092	2" BSP F	50	50.000	3,00	15	180	1	
FD2000PLCDUP400FF500D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	500	90.000	6,00	15	180	1	
FD2000PLCDUP400FF300D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	300	90.000	6,00	15	180	1	
FD2000PLCDUP400FF200D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	200	90.000	6,00	15	180	1	
FD2000PLCDUP400FF125D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	125	90.000	6,00	15	180	1	
FD2000PLCDUP400FF80D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	80	80.000	6,00	15	180	1	
FD2000PLCDUP400FF50D	FILBLUE FD2000PLC	0,3 m <sup>2</sup>	DN 100 FLANGE EN1092	2" BSP F	50	70.000	6,00	15	180	1	
FD2000PLCDUP600FF500D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	500	200.000	9,00	15	180	1	

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Code	Description	Surface area	Connection In/Out	Connection drain	Micron	Flow rate (l/h) <sup>1</sup>	Cleaning flow rate at 1 bar (m <sup>3</sup> /h)	Cleaning time (sec.)	Power needed (Watt)	Q.tity box	-
FD2000PLCDUP600FF300D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	300	200.000	9,00	15	180	1	
FD2000PLCDUP600FF200D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	200	200.000	9,00	15	180	1	
FD2000PLCDUP600FF125D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	125	200.000	9,00	15	180	1	
FD2000PLCDUP600FF80D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	80	180.000	9,00	15	180	1	
FD2000PLCDUP600FF50D	FILBLUE FD2000PLC	0,45 m <sup>2</sup>	DN 150 FLANGE EN1092	2" BSP F	50	170.000	9,00	15	180	1	
FD2000PLCDUP800FF500D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	500	300.000	12,00	15	180	1	
FD2000PLCDUP800FF300D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	300	300.000	12,00	15	180	1	
FD2000PLCDUP800FF200D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	200	300.000	12,00	15	180	1	
FD2000PLCDUP800FF125D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	125	300.000	12,00	15	180	1	
FD2000PLCDUP800FF80D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	80	270.000	12,00	15	180	1	
FD2000PLCDUP800FF50D	FILBLUE FD2000PLC	0,6 m <sup>2</sup>	DN 200 FLANGE EN1092	2" BSP F	50	250.000	12,00	15	180	1	

<sup>1</sup>Max clean water flow rate in l/h at 20°C and differential pressure 0,15 bar.

#### European community members only.

These filters satisfy all requirements of the European Directive for Pressure Equipment (P.E.D.) 97/23/EC, following module A (internal production control) as conformity assesment procedure.



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### SELF CLEANING FILTERS CODE LIST

Model	Material	Connection IN/OUT	Micron	Specs and finishing
FD2000PLC	DUPLEX DUP	DN 50 FLANGE EN1092 200FF DN 80 FLANGE EN1092 300FF DN 100 FLANGE EN1092 400FF DN 150 FLANGE EN1092 600FF DN 200 FLANGE EN1092 800FF	50 80 125 200 300 500	Acid bath treated D



*Approximate picture. Connections and measures 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](http://www.everblue.it) by choosing microns gradient and connections and selecting specific product data sheet*