

EFFECTIVE WASTEWATER SOLUTIONS

SALSNES FILTER SF SERIES

Salsnes Filter SF series are fully automated mechanical wastewater treatments systems to primary treatment in municipal or industrial applications. Salsnes Filter can remove solids that are as fine as **15 ÷ 30 µm**. Filter includes integrated dewatering system for the filtrated sludge. Salsnes Filters are widely applied to wastewater treatment in the industries characterised with heavy treated effluents like: fish, meat, milk, fruits and vegetables, paper industry, tanneries, and many more.

Salsnes Filter is made to meet the requirements set in the European Council Directive 91/271/EEC (May 21 1991) regarding urban wastewater treatment.

SF 1000, SF 2000, SF 4000, SF 6000

Salsnes filters series SF (stand-alone type)

Salsnes Filters type SF are provided in 4 different, basic versions supporting a wide range of flow rates and with no limitation in flow capacity design (**15 ÷ 160l/s**). System of wire cloth cleaning, by means of pressured air guarantees to keep the wire cloth cleaned during operation. The system is prepared for odour control with its enclosed design and connection pipe for ventilation and odour control systems. Standard versions are equipped with integrated dewatering system. Versions without dewatering and mirrored versions, to ease connections for duty/standby or parallel operations, may also be provided on request. The system are provided in stainless steel 304 or 316L, dependent on requirements. Salsnes Filters type SF are very solid and compact in design.



SF 1000



SF 2000 ÷ 6000

Technical data SF series

PARAMETR	SF 1000	SF 2000	SF 4000	SF 6000
Capacity (municipal wastewater, mesh 350 µm, 250mg/l SS)	~ 15 l/sec	~ 40 l/sec.	~ 80 l/sec.	~ 160 l/sec.
Capacity (water treatment, fish industry, mesh 350 µm, 25mg/l SS)	~ 30 ÷ 40 l/sec.	~ 100 l/sec.	~ 200 l/sec.	~ 400 l/sec.
Separation efficiency	40 ÷ 70 %	40 ÷ 70 %	40 ÷ 70 %	40 ÷ 70 %
Dry substance	25 ÷ 35 %	25 ÷ 35 %	25 ÷ 35 %	25 ÷ 35 %
Length	1280mm	1896 mm	2245 mm	2782 mm
Width	750/1300mm	1350 mm	2070 mm	2362 mm
Height	650/1300/1330mm	950 mm	1482 mm	1790 mm
Weight	415 kg	690 kg	1020 kg	1120 kg
Weight incl. water	540 kg	990 kg	1420 kg	1720 kg
Inlet (gravity feed)	Ø 100 mm	Ø 150/250 mm	Ø 200/350 mm	Ø 250/400 mm
Outlet diameter	Ø 150 mm	Ø 250 mm	Ø 350 mm	Ø 400 mm
Overflow diameter	common outlet/overflow	Ø 250 mm	Ø 350 mm	Ø 400 mm
Wire cloth speed	1,5 ÷ 12 m/min	1,5 ÷ 12 m/min	1,5 ÷ 12 m/min	1,5 ÷ 12 m/min
Wire cloth area	0,25 m ²	0,5 m ²	1 m ²	2,2 m ²
Wire cloth porosity	0,1 – 1,0 mm	0,1 – 0,85 mm	0,1 – 0,85 mm	0,2 – 0,85 mm
Press cylinder diameter	Ø 75 mm	Ø 125 mm	Ø 175 mm	Ø 175 mm
Power installed	5,8kW	7,8 kW	10,1 kW	12 kW
Normal power consumption	2,1 kW	3,6 kW	4,6 kW	5,5 kW
Blower capacity at 0,6 bar	120 m ³ /h	190 m ³ / h	250 m ³ /h	335 m ³ /h

EXAMPLES OF SALSNES FILTER APPLICATION



Cellulose paper industry



Vegetables and fruits industry: carrot



Brewery



Tannery



Meat industry



Vegetables and fruits industry : spinach