

Salsnes Filter SF series

Salsnes Filter SF series are fully automated mechanical wastewater treatments systems for primary treatment in municipal or industrial applications, made to meet the requirements set in the European Council Directive 91/271/EEC (May 21, 1991) regarding urban wastewater treatment. The SF series also include integrated dewatering for the filtrated sludge. The system is prepared for odour control with its enclosed design and connection pipe for ventilation and odour control systems.

SF models (stand-alone) are provided in 4 different basic versions supporting a wide range of flow rates and with no limitations in flow capacity designs. Version without dewatering and mirrored versions to ease connections for duty/standby or parallel operation may also be provided on request. The systems are provided in stainless steel 304 or 316L dependent on requirements.

Technical data

- **SF1000**

Capacity*:	15 l/s
Separation efficiency*:	40-70%
Dry substance*:	25-35%
Size (full), l x h x w:	1280x1300x1330mm
Weight (incl. water):	540kg
Inlet:	Ø100mm
Outlet :	Ø150mm
Overflow:	Common outlet/overflow
- **SF2000**

Capacity*:	40 l/s
Separation efficiency*:	40-70%
Dry substance*:	25-35%
Size (full), l x h x w:	1896x1350x950mm
Weight (incl. water):	990kg
Inlet (pumped/gravity feed):	Ø150/250mm
Outlet:	Ø250mm
Overflow:	Ø250mm
- **SF4000**

Capacity*:	80 l/s
Separation efficiency*:	40-70%
Dry substance*:	25-35%
Size (full), l x h x w:	2245x2070x1482mm
Weight (incl. water):	1420kg
Inlet (pumped/gravity):	Ø200/350mm
Outlet:	Ø350mm
Overflow:	Ø350mm
- **SF6000**

Capacity*:	160 l/s
Separation efficiency*:	40-70%
Dry substance*:	25-35%
Size (full), l x h x w:	2782x2362x1790mm
Weight (incl. water):	1720kg
Inlet (pumped/gravity):	Ø250/400mm
Outlet (pumped/gravity):	Ø400mm
Overflow:	Ø400mm

Design

SF1000:



SF2000-6000:



* Values based on filtration and dewatering of municipal wastewater with 350micron filter cloth, SS concentration of 250mg/l and particle size evenly distributed between 0– 1mm .

Salsnes Filter SFK series

Salsnes Filter SFK series are fully automated channel mounted mechanical wastewater treatments systems for pre- or primary treatment. This series is especially designed for fish farming applications, but may also be used for municipal or other industrial applications.

SFK models (stand-alone) are provided in 4 different basic versions supporting a wide range of flow rates and with no limitations in flow capacity designs. All basic versions may be provided in the following variants:

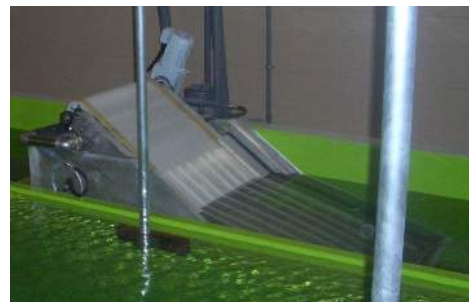
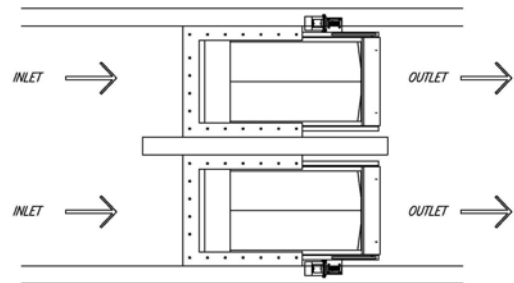
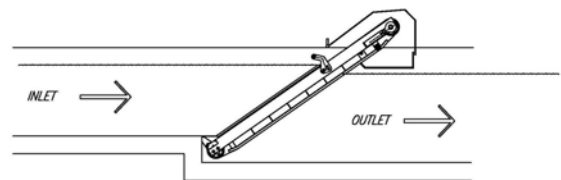
- Water flushing only
- Air flushing and water maintenance flushing with dewatering
- Air flushing and water maintenance flushing without dewatering

Technical data

- **SFK100**
Capacity*: 25-30 l/s
Recommended channel width: 600mm
- **SFK200**
Capacity*: 50-60 l/s
Recommended channel width: 1000mm
- **SFK400**
Capacity*: 100-120 l/s
Recommended channel width: 1250mm
- **SFK600**
Capacity*: 200-240 l/s
Recommended channel width: 1750mm

Design

SF100 -600:



SFK unit mounted in channel on fish farm

* Values based on filtration of wastewater from fish farms with 60micron filter cloth, SS concentration of 25mg/l and particle size evenly distributed between 0– 1mm .