

High Volume Primary Treatment

Decrease biosolids at your plant.

Salsnes Filter SFK series are fully automated channel mounted mechanical wastewater treatment systems for pre or primary treatment. This series can be used for municipal or industrial applications. It is also used in fish farming applications.

How it works

The Salsnes Filter removes solids on a continuous-loop fine mesh screen. As the screen moves, it carries solids out of the flow. Depending on the installation, the solids then drop into a hopper system where an auger press dewateres the collected screenings while screened wastewater flows through the unit.

As the screen rotates, a patented air-blower system forces the retained screenings off the mesh and into the screenings hopper, virtually eliminating solids carry-over. Additionally, a patented hot water wash periodically removes any grease or other solids that may adhere to the mesh.

Salsnes Filters are compact, completely covered systems which have a small footprint and are easy to maintain.

Applications

The Salsnes Filter can be applied at municipal and industrial wastewater treatment plants to filter unwanted organic and inorganic solids from; wastewater flow.

The Salsnes Filter cost-effectively reduces the organic load on downstream processes. Reduced load means more capacity in existing plants and smaller downstream processes (with the resulting cost savings) in new plants. With over 240 installations as of 2007, it has been used effectively for:

- Primary Wastewater Treatment
- Membrane Pretreatment
- Aquaculture
- Food / Dairy Industry
- Pulp and Paper Industry
- Manure Dewatering

- Increase treatment capacity
- Primary CSO
- Channel mount
- Retrofit to existing concrete designs.



For more information, please contact Blue Water:

Salsnes Filter SFK Series

The Salsnes Filter can relieve primary treatment burden at wastewater treatment plants in a very small footprint, saving major infrastructure investment and space.

The Salsnes Filter has a fine screen which removes solids as fine as 15-30 micron. It removes high percentages of TSS and particulate BOD in wastewater. For most municipal applications, this means removal of 40-70% TSS and 30% BOD.

When compared with sedimentation as primary sewage treatment, the Salsnes Filter typically requires less than 50% of the capital investment and less than 10% of the footprint.



Salsnes channel mount filter unit.

Superior Performance

Removal of 40-70% TSS and 30% BOD

Self-Cleaning Operation

Patented air cleaning system

Cost-Effective

Small footprint, low capital cost, low maintenance

Screenings Dewatering

25-40% solids in dewatered screenings

Effective Environmental Solution

Compact and efficient solution reduces the impact on the environment



Salsnes SFK channel-mounted.

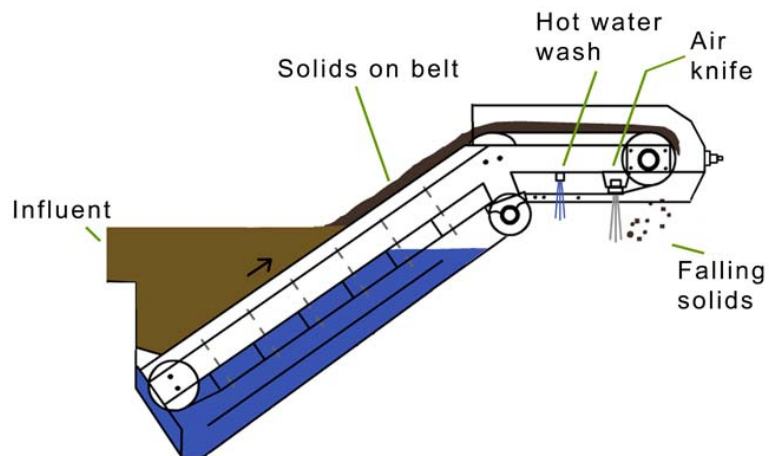


Salsnes SFK (stand-alone) models support a wide range of flow rates with no limitations in flow capacity.

Salsnes Filter Capacities & Dimensions

Data	Model #			
	SFK100	SFK200	SFK400	SFK600
Capacity*	400-475 gpm	800-950 gpm	1600-1900 gpm	3200-3800 gpm
TSS Removal Efficiency	40-70%			
Channel Width	24"	40"	50"	70"

*Values based on filtration of wastewater from aquaculture facilities with 60 micron filter cloth, influent SS concentration of 25 mg/L and particle size evenly distributed between 0-1 mm. Larger flow rates are achieved by series configurations.



See the video of a Salsnes Filter in action at www.blueh2o.net/salsnes. Contact your Blue Water Representative to obtain a third-party engineering report on Salsnes Filter performance, learn more about how the Salsnes Filter solution may fit into a specific plant.

Blue Water is proud to offer a broad platform of water treatment technologies, from primary wastewater treatment to advanced effluent polishing steps to environmental remediation processes. We strive to meet our customers' needs cost-effectively, considering both capital expense and ongoing operations and maintenance costs. Additionally, we keep an eye on the future by looking for sustainability in our technologies, including environmentally friendly materials and energy conservation.

Blue Water for a Green World™ 