

Salsnes SFK Series for Aquaculture Filtration



Aquaculture Challenge

Raising high quality fish requires the best possible water environment, from the larval to harvest stage. The solids resulting from fish waste and uneaten food in aquaculture systems demand oxygen and can build up toxic ammonia, lessening the quality of the resulting product. The removal of fine suspended solids is paramount.

Solution

Salsnes SFK filter systems are an "aquaculture proven" technology, used worldwide to remove suspended solids from fish farms. Salsnes is the key to efficient filtration of heavily-loaded water in aquaculture.

- Excellent suspended solids removal
- Gentle removal of particles
- Easy to operate
- Low maintenance and energy consumption
- Excellent after-sales service

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 and drops them into the waste stream. As the screen rotates, a patented air-blower system forces the retained screenings off the mesh and into the waste stream, virtually eliminating solids carry-over.



Salsnes capacities range from 100 GPD to 20 MGD+

Fish Farming Design

Salsnes SFK series filters are fully automated, channel-mounted, mechanical wastewater treatment systems for preliminary or primary treatment. The SFK series is especially well-suited to fish farming. Longer belt length and channel-mounted design contribute to higher flow capacities. The lower belt angle helps fragile floc and other small particles to be effectively captured by the belt and removed from the water.

"Filter equipment needs to be chosen carefully, and after sales service is a very important factor. 'Salsnes' brand filters have a very good reputation for after sales service."

— Recirculating Marine Aquaculture Systems, ISS Institute

Superior Performance

Removal of 40-70% TSS and 30% BOD

Self-Cleaning Operation

Patented air cleaning system

Compact and Modular

Pre-engineered design for any flow rate

Cost-Effective

Small footprint, low capital cost, low maintenance

Effective Environmental Solution

Compact and efficient solution reduces the impact on the environment



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For more information, please contact Blue Water:

Blue Water for a Green World®



(888) 710-2583, sales@blueh2o.net, www.blueh2o.net



Pictures of Salsnes SFK channel-mounted units at fish farms.



Compact and modular, Salsnes SFK channel-mounted systems have no limitations in flow capacity.

Salsnes Filter Capacities & Dimensions

Data	Model #			
	SFK100	SFK200	SFK400	SFK600
Capacity*	0.6-0.7 MGD	1.1-1.4 MGD	2.3-2.7 MGD	4.6-5.5 MGD
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.

The **next generation** of
aquaculture filtration...



See the video of 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.

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