

Flo-MultiRake

In-Channel Mechanical Screens

GVB, GVF & GVS

SAVI



**Coarse Bar Screen (GVB) • Fine Bar Screen (GVF)
Perforated Media Screen (GVS)**



Flo-MultiRake GVB, GVF & GVS

In-Channel Mechanical Screens

Three MultiRake Designs for Application Flexibility

The advanced design of the Flo-MultiRake bar and perforated media screens significantly increases solids capture. Continuous cleaning of the screen by the multiple rakes provides more available screen surface to trap and remove solids from the incoming wastewater flow.

The bar rack and perforated plate media are designed to expose more open area to the incoming flow to prevent sedimentation upstream of the screen and to reduce headloss. All three designs are made of stainless steel and are engineered for durability, low maintenance and high performance.

Coarse Bar Screen

The Flo-MultiRake Coarse Bar Screen has the strength to withstand wide channel installations and high flows with the structural integrity to prevent deflections or vibrations. With auto reverse and a torque sensing system, interruptions to the raking operation will not cause shock loading to the system.



High strength, one piece rake.

Fine Bar Screen

Unique to wastewater screening is the Flo-MultiRake Fine Bar Screen. This screen has the same durable design as the coarse bar screens, but with specific design enhancements to accommodate the finer bar spacing.



Self-lubricating bronze bushing.

Perforated Media Screen

The Flo-MultiRake Perforated Media Screen is built with the same screen frame and design features as the coarse bar screen. Perforated media is used in place of the bar rack to achieve even higher capture rates. The optional 90° screen design with perforated media is an excellent choice for deep channels and pump stations especially in remote locations.



Stainless steel perforated plate.



Flo-MultiRake shown without Covers

Flo-MultiRake GVB

SAVI Coarse Bar Screen



Chain and chain guide enclosure.

Flo-MultiRake GVF

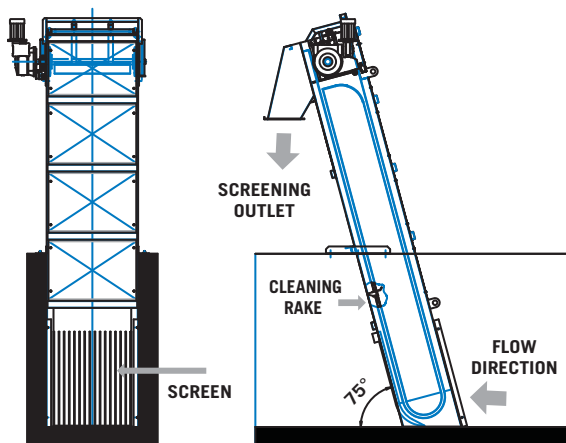
SAVI Fine Bar Screen



Alternate bar cleaning feature.

Coarse Bar Screen Features & Benefits

- 1 **Two or more cleaning rakes** - Faster, more efficient solids removal.
- 2 **75° angle of inclination** - Exposes more screen surface to the incoming flow to capture and hold more solids.
- 3 **Precision laser cut raking tines cut from a single stainless steel bar** - High strength and stiffness for long wear and reliable operation.
- 4 **Recessed guide channels for drive chains** - Reduces chain exposure to debris.
- 5 **Lower chain guide with no moving parts** - No lower sprocket and bearings.

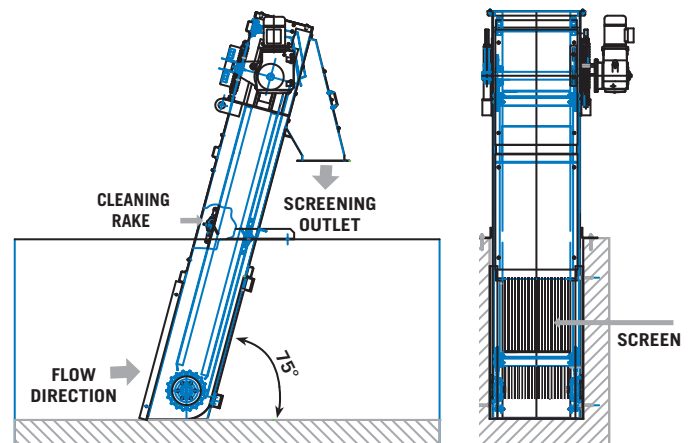


Specifications - Coarse Bar Screen

Angle of inclination	75°
Bar spacing	12 – 50 mm
Screen width	16" to 36"
Number of cleaning rakes	2 standard
Materials of construction	AISI 304 SST (316 optional)

Fine Bar Screen Features & Benefits

- 1 **Six (6) cleaning rakes are standard** - Each rake cleans every other bar to remove more solids.
- 2 **75° angle of inclination** - Exposes more screen surface to the incoming flow to capture and hold more solids.
- 3 **Rake tines are precision laser cut from a continuous SST bar** - High strength and stiffness for long wear and reliable operation.
- 4 **Screen utilizes an upper and low sprocket** - To maintain the strict alignment required by the fine bar spacing.
- 5 **A self-lubricating bronze lower bushing in a sealed housing is used in this design** - Maintenance-free operation.



Specifications - Fine Bar Screen

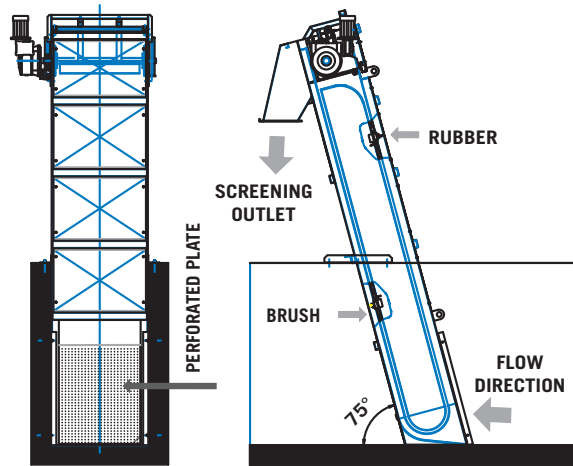
Angle of inclination	75°
Bar spacing	6 – 8 – 10 mm
Screen width	16" to 36"
Number of cleaning rakes	6 standard
Materials of construction	AISI 304 SST (316 optional)

Flo-MultiRake GVS

SAVI Perforated Media Screen



Perforated media attached to dead plate.



Perforated Media Screen Features & Benefits

- 1 **Six (6) cleaning mechanisms standard** - Various combinations of wiper blades and brushes remove solids and clean the perforated media.
- 2 **Wiper blades and brushes are bolted to the rake mechanism** - Designed for easy replacement.
- 3 **75° and 90° angles of inclination** - Flexible installation options.
- 4 **Recessed guide channels for drive chains** - Reduces chain exposure to debris.
- 5 **Lower chain guide with no moving parts** - No lower sprocket and bearings.

Specifications - Perforated Media Screen

Angle of inclination	75° and 90°
Screen opening	2 - 6 mm
Screen width	16" to 36"
Number of cleaning rakes	6 standard
Materials of construction	AISI 304 SST (316 optional)