

FLO-Sieve

FSS

Shaftless Spiral Screening, Conveying
Washing & Dewatering System

A Four-In-One Screening Solution For The Smaller Treatment Plant



A Flo-Sieve unit installed at a 2 mgd plant.

Enviro-Care utilizes the advantages of this proven shaftless spiral technology to offer small treatment plants a high performance screen with high capture efficiency and added features. As screenings are removed from the incoming flow, they are conveyed to a washing and dewatering zone prior to discharge. This four-in-one system eliminates the need for additional pieces of equipment and reduces screenings handling for plant personnel and screenings volume for lower disposal costs.

Three spray zones are contained within the system: one to clean the screen surface, another to periodically clean the transport tube drainage area, and a final spray to wash the solids as they enter the dewatering zone.



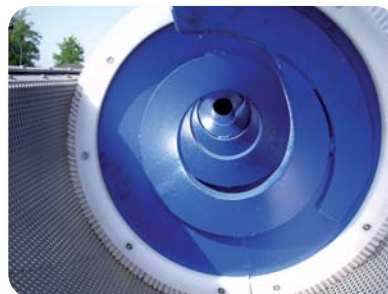
The perfect solution for small flows.



An in-tank option is available for pumped flows



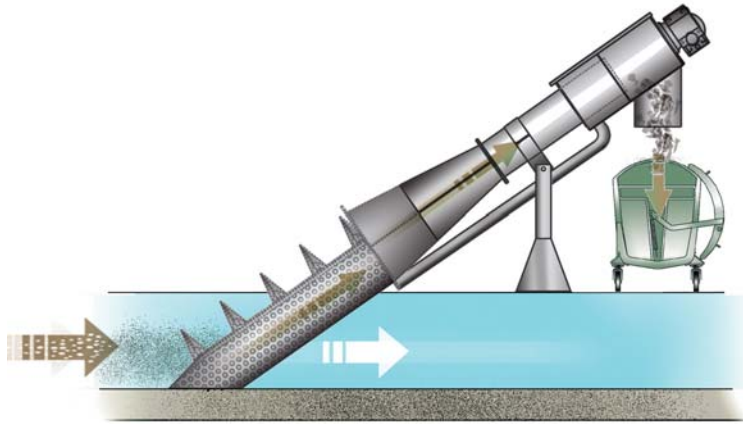
A vertical screening option available



Proven shaftless spiral technology

Features & Benefits

- 1 **Flows from 1 to 7 MGD** - Affordable screening, conveying, washing and dewatering technology for the smaller plant.
- 2 **35° (45° and 90° optional)** - Flexible design options to meet customer requirements.
- 3 **Rubber seals fit screen snugly into the channel** - Solids are directed into the screen and not around it.
- 4 **Screen baskets available in perforated media or wedgewire** - Screen media options for a variety of applications.
- 5 **Pre-washing of screenings** - Produces cleaner, drier solids.
- 6 **Hinged & latched dewatering zone access** - Safe access – no tools required.
- 7 **Optional heat tracing** - Suitable for operation in colder climates.
- 8 **Optional bagger assembly** - Screenings go from channel to plastic bags for reduced odor and a cleaner screenings area.



Specifications

Flow rate	mgd	1 – 7
Channel widths	inches	16 – 36
Screen Openings	Mm (perforated media)	3 – 5 – 6
	Mm (wedgewire media)	1 – 2 (Optional)
Angle of inclination	degrees	35 (45 and 90 Optional)
Drive motor	Hp	3
Voltage	V-Hz	240/480 V – 60 Hz
Controls		NEMA 4X/7

Materials of Construction

Transport tube	304 SST (316 Optional)
Discharge chute	304 SST (316 Optional)
End plates & supports	304 SST (316 Optional)
Shaftless spiral	ST52-3 Alloy Steel (304/316 SST Optional)
Anti-rotation bars	304 SST (316 Optional)

FLO-Products

Simply Superior Design

Enviro-Care has been manufacturing liquid/solid separation and solids reduction technology for the wastewater industry since 1972. Many of these first units are still in service today. These unique products are engineered for high process efficiency, reduced maintenance and low energy consumption.

The Enviro-Care Flo-Products family is expanding. With the addition of new screens, MBR Pre-treatment systems, washing and dewatering options and complete septage receiving systems; Enviro-Care products can be found providing the same exceptional quality and cost-effective technology in more wastewater applications than ever before.

Flo-Drum MBR Pre-treatment Screen

Flo-Drum Rotating Screen

Flo-Minutor Solids Reduction Comminutor

Flo-MultiRake Coarse Bar Screen

Flo-MultiRake Fine Bar Screen

Flo-MultiRake Perforated Media Screen

Flo-Press Hydraulic Ram Press

Flo-Screen Bar Screen

Flo-Screen XD Extended Discharge Bar Screen

Flo-Sieve Shaftless Spiral Screening

Conveying, Washing and Dewatering System

Flo-Spiral Shaftless Spiral Conveyor

Flo-Station SR Septage Receiving System

Flo-WashPress Washer Compactor



Enviro-Care is the exclusive licensee for SAVI S.R.L. technologies in North America.

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MBR Brochure
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