

# 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.



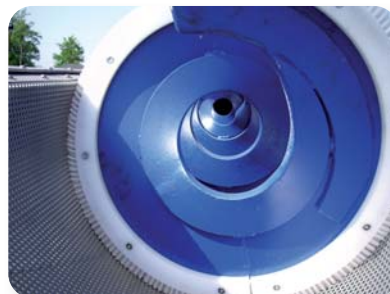
The perfect solution for small flows.



An in-tank option is available for pumped flows



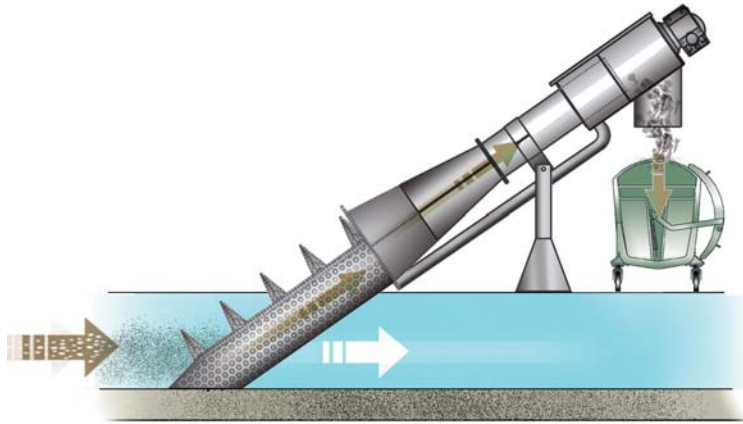
A vertical screening option available



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

<b>Flow rate</b>	mgd	1 – 7
<b>Channel widths</b>	inches	16 – 36
<b>Screen Openings</b>	Mm (perforated media)	3 – 5 – 6
	Mm (wedgewire media)	1 – 2 (Optional)
<b>Angle of inclination</b>	degrees	35 (45 and 90 Optional)
<b>Drive motor</b>	Hp	.75 – 1.5
<b>Voltage</b>	V-Hz	240/480 V – 60 Hz
<b>Controls</b>		NEMA 4X/7

## Materials of Construction

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