

FLO-Drum MBR

FD-MBR

Pre-Treatment Screen



Six FD-MBR2000 10 MGD Per Screen - Brescia Italy



6 - Exterior Brush



8 - Bottom Bronze Bushing



11 - Clean, Dry Screening Area



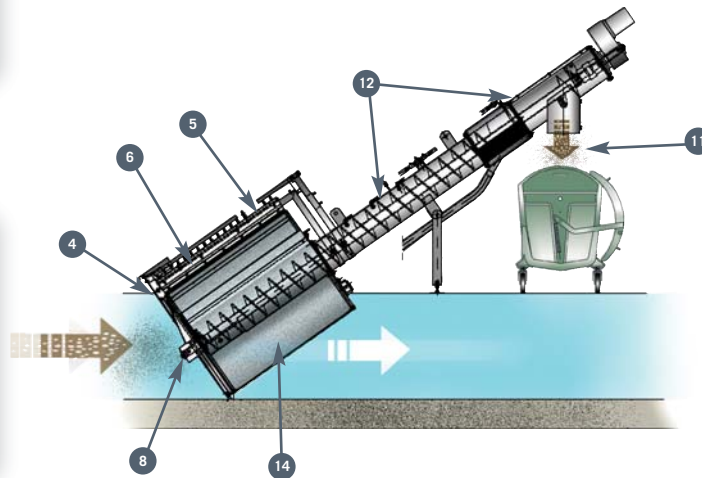
5 - Overlapping Spray Pattern



12 - Flo-Drum Units with Heat Tracing in Washington State



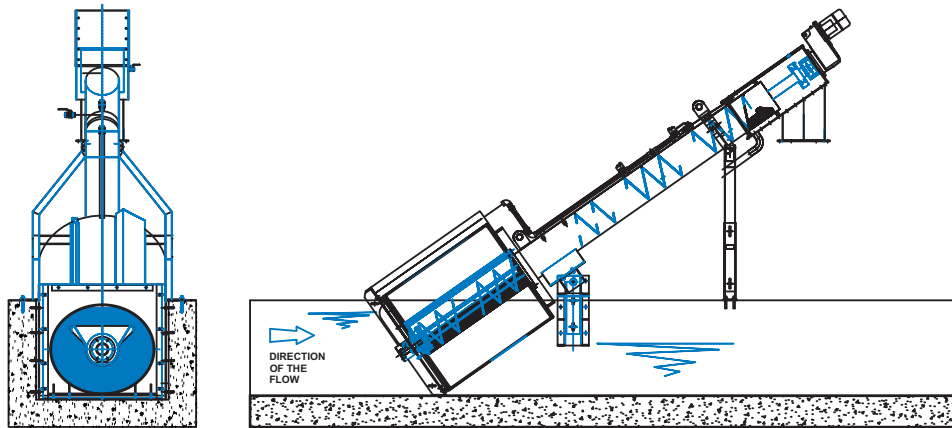
4 - Triple Face Seal



14 - Exceptional Design, Durable Construction, Maximum Capture Efficiency

Features & Benefits

- 1 **The Flo-Drum screens, conveys, washes and dewater screenings all in one unit** - Eliminates the need for multiple pieces of equipment.
- 2 **Flo-Drum units are available for in-channel or in-tank applications** - Same efficient operation for either gravity or pumped flows.
- 3 **Flo-Drum screening systems have three separate washing functions** - The unit is designed to wash organics from the screenings and be self-cleaning at the screen basket and in the dewatering zone.
- 4 **Proprietary triple face seal** - Designed in conjunction with a major MBR manufacturer for maximum capture efficiency of fine solids including hair and to be non-bypassing.
- 5 **Spray nozzles on the outside of the screen basket produce an overlapping spray pattern** - More efficient cleaning of screen basket and better capture of small solids.
- 6 **A cleaning brush on the exterior of the screen keeps solids contained within the screening basket** - Prevents small solids from passing through the screen and maintains a clean screen surface for the incoming flow.
- 7 **Durable brush is attached to the spiral at the auger trough** - Even the smallest solids are swept into the auger trough for removal.
- 8 **Large, robust, self-lubricating bronze bushing** - No lubrication pumps or maintenance required.
- 9 **Common drive operates the rotating screen basket and screw conveyor** - Synchronized operation for lower energy consumption and less maintenance.
- 10 **Hinged and latched compaction zone access with safety interlock switch** - Provides ease of access with no tools required yet prevents opening during operation.
- 11 **Screenings are completely enclosed within the transport tube and dewatering zone** - Creates a cleaner, drier screenings area with reduced odor. Optional bagger is available.
- 12 **Optional heat tracing is available** - Screens are easily adaptable for outdoor installations in colder climates.
- 13 **Screening drum is available in perforated plate or mesh screen media** - Custom engineered to meet specific application requirements.
- 14 **Exception design, durable construction** - Designed for high capture efficiency and years of reliable operation.
- 15 **Removable, sliding Aluminum covers** - Covers slide open and out of the way to perform routine maintenance or to pivot the unit out of the channel.



Specifications

Flow rate	mgd	1 – 30
Channel widths	inches	26 – 118
Opening for MBR applications	mm perforated media	1 – 2 - 3
Angle of inclination		35°
Drum screen OD	mm	600 – 800 – 1000 – 1200 – 1400 1600 – 2000 – 2400 – 2600 - 3000
Drive motor	Hp	1 – 1.5 – 2 - 3
Controls		NEMA 4X/7
Voltage	V-Hz	240/480 V – 60 Hz

Materials of Construction

Shafted screw	ST52-3 Alloy Steel (304/316 SST Optional)
Supports, End Plates, Anti-rotation bars	AISI 304 SST (316 Optional)
Tubes and Discharge Chutes	AISI 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
12-02-11
Revision: A