

Flo-Drum

Rotating Screen For Wastewater

VSA

SAVI



Enviro-Care
A WAMGROUP® Company



WAMGROUP®



Flo-Drum

Rotating Screen For Wastewater

Complete Screening, Washing, Conveying, Dewatering System



Over 200
Drum Screen
Installations
Worldwide



FD 1000 - Carmi, IL

The exceptional design features of the Flo-Drum screen combine to create the most advanced fine screening system available for wastewater applications. This new generation screen outperforms older cylindrical bar screen, sieve screen, and step-type screen technology. The Flo-Drum screen is engineered for high capture efficiency and years of reliable operation.

As solids are captured by the screen drum, cleaning vanes direct the solids into the auger trough. The solids are then moved into the washing zone where organic material is removed and discharged back into the channel. The washed screenings are conveyed to the dewatering zone for compaction and discharge.





1 - Triple Face Seal



4 - Exterior Brush



5 - Bottom Bronze Bushing

Features & Benefits

- 1 Triple seal at influent end of the screen basket -** Designed for maximum capture efficiency of fine solids and to prevent bypass.
- 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 washes organics from the screenings and is self-cleaning at the screen basket and in the dewatering zone.
- 4 A spray and brush are located on the outside of the screen basket -** Small solids are contained within the screen basket as the basket is cleaned.
- 5 Large, robust, self-lubricating bronze brushing -** No lubrication pumps or maintenance required.
- 6 Hinged and latched compaction zone access cover with safety interlock switch -** Provides easy access without tools yet prevents opening during operation.
- 7 Removable, sliding aluminum covers -** Light weight covers slide open and out of the way to perform routine maintenance or pivot the unit out of the channel.
- 8 Optional Stainless steel cover design available -** A cover alternative based on customer preference.
- 9 Optional bagger assembly is available -** Reduces handling of screenings, vector attraction, and odor.
- 10 Optional freeze protection is available -** Screens are easily adaptable for outdoor installations in colder climates.
- 11 Screen drum is available in perforated plate or wedgewire media -** Custom engineered to meet specific application requirements.



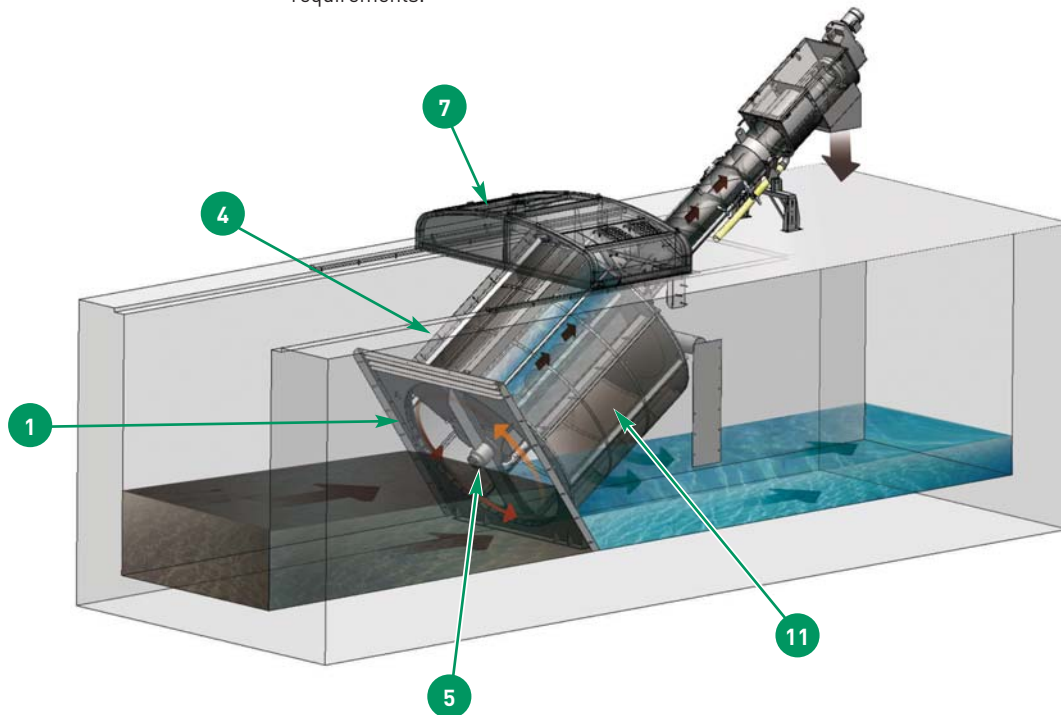
7 - Removable, Sliding Aluminum Covers

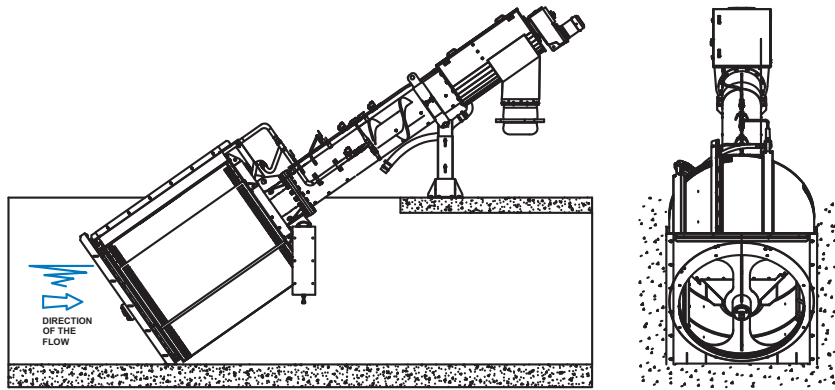


8 - Optional Stainless Steel Covers



9 - Optional Bagger Assembly Available





Specifications

Flow Rate	mgd	1 - 43 (6 mm perforated media)
Screen media/openings		
Perforated plate	mm	3 and 6
Wedgewire	mm	.5 - 6
Channel widths	inches	26 - 118
Angle of inclination	degrees	35
Drum screen OD	mm	600 - 800 - 1000 - 1200 - 1400 - 1600 - 1800 - 2000 - 2200 - 2400 - 2600 - 3000
Drive motor	Hp	1 - 1.5 - 2 - 3 - 5
Controls		NEMA 4X/7
Voltage	V-Hz	240/480 V - 60 Hz

Materials of Construction

Shafted screw	ST52-3 Alloy Steel (304/316 SS Optional)
Supports, end plates, anti-rotation bars	AISI 304 SS (316 Optional)
Screen basket	AISI 304 SS (316 Optional)
Tubes and discharge chutes	AISI 304 SS (316 Optional)