

# Flo-RotoDrum

Internally-Fed Rotating Drum Screen

RTV

SAVI

## Wastewater and MBR No Bypass Pre-treatment Screens



Advanced Design Features for Reliable Screening

The Enviro-Care internally-fed rotating drum screen has been engineered to provide high performance screening and low maintenance. The Flo-RotoDrum screen has no running seals. This is an important feature because seal wear that can cause bypassing is eliminated.

Several features promote high capture efficiency. The screen cylinder sits at a 5° angle of inclination from the influent end in order to provide longer retention time and promote capture of finer solids. Full cylinder dewatering flights gently roll the solids forward to discharge attracting more solids with each revolution of the drum.

These units incorporate unique operating and maintenance features. Without removing the full screen covers or screen cylinder, the trunnions, spray bar and brush can be easily accessed via individual maintenance covers. Two more access points act as observation ports that enable plant personnel to monitor cylinder operation and discharge.



Full cylinder dewatering flights

### Features & Benefits

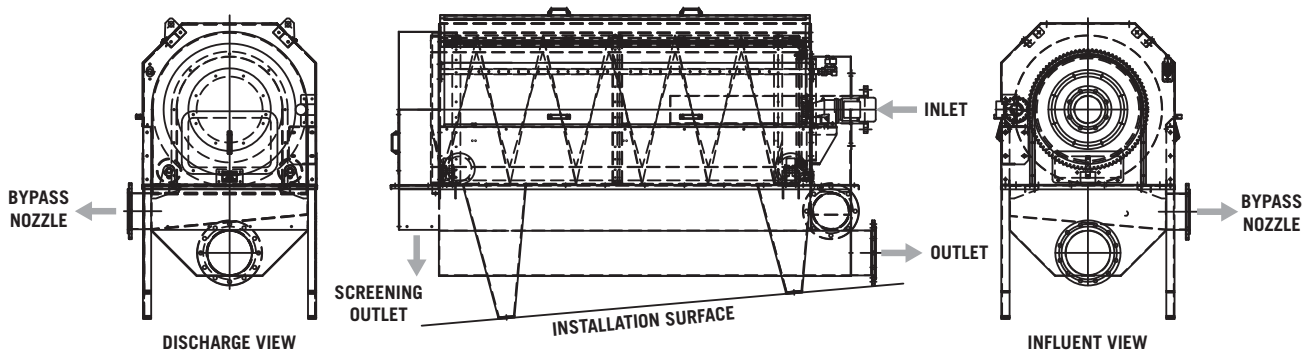
- 1 **Angle of inclination is 5°** - Provides longer retention time for better separation and dewatering.
- 2 **Full cylinder dewatering flights** - Solids are retained within the cylinder longer to attract and capture finer solids.
- 3 **External spray bar and brush** - Prevents solids accumulation on screen exterior.
- 4 **Trunnions are fully adjustable and replaceable without removing the screen cylinder** - Easy access, minimal downtime.
- 5 **Screens are designed with no running seals** - No seals to wear and cause bypassing.



Two Flo-RotoDrum screens discharging to a Flo-WashPress.



A RotoDrum Screen Pre-treating Wastewater at an MBR Installation.



## Specifications

Perforated media openings	mm	1 - 6
Openings for MBR (standard)	mm	1 and 2
Flow rates to	mgd	8
Wash water pressure	bar	5 - 8
Nozzle openings (std)	mm	250

## Materials of Construction

Frame	AISI 304 SST (316 optional)
Perforated media cylinder	AISI 304 SST (316 optional)
Discharge tank and piping	AISI 304 SST (316 optional)
All components and fasteners	AISI 304 SST (316 optional)
Trunnions	Nylon
Spray nozzles	Brass