

# FLO-DrumSieve

FDE

Externally-fed Rotating Drum Screen

## Value Engineered for Enhanced Performance and Reduced Cost



Flo-DrumSieve externally-fed drum screen

Liquid passes through the screen and creates a self-cleaning action on the opposite side of the screen cylinder as it rotates. The interior of the screen cylinder is equipped with a spray bar, either high or low pressure depending on the application, that supplements the self-cleaning process.

An integral tank below the screen collects the filtrate and directs it through the discharge outlet.

### Features & Benefits

**Deep headbox with distribution baffle** - Wastewater is distributed evenly across the exterior surface of the screen.

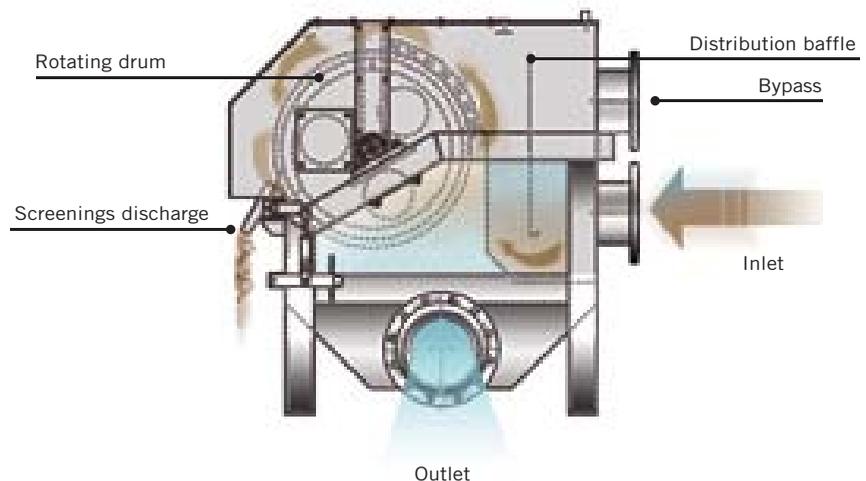
**Self-cleaning screen** - Screened wastewater passes through the cylinder automatically cleaning the opposite side of the screen as it rotates.

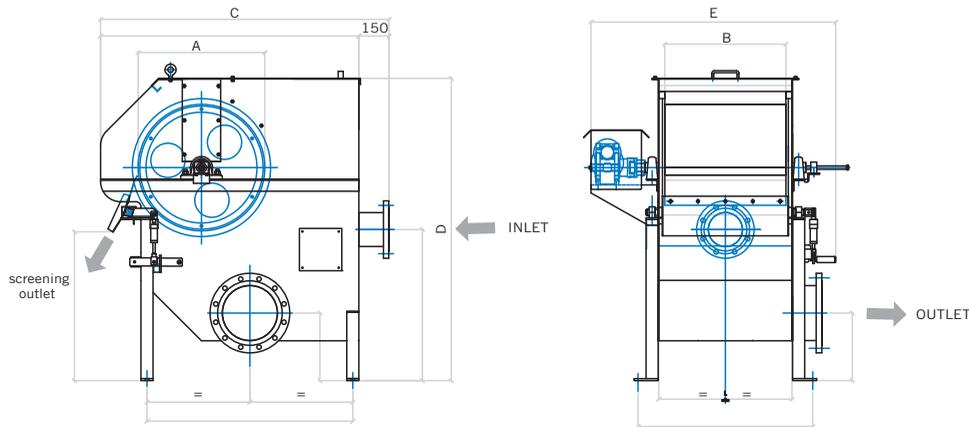
**A single brass cleaning blade removes solids from the screen surface** - No secondary cleaning mechanisms are required.

The Flo-DrumSieve externally-fed screen with stainless steel wedgewire media has a unique advantage - a very small footprint relative to the high flow rate and solids loading it can handle. Thus, industrial and municipal customers have found it to be one of the most flexible screens to install.

Wedgewire is the recognized standard for scum screening in municipal applications and is particularly effective in capturing hard to screen solids such as greasy material in industrial applications. The Flo-DrumSieve screen is also used as pre-treatment screening for certain small flows MBR installations.

As influent enters the headbox of the unit, a distribution baffle slows the liquid allowing it to pass up and over the exterior of the screen at a consistent flow. Solids are collected on the outside of the screen and are removed by a brass cleaning blade.





## Specifications

<b>Wedgewire opening</b>	mm	0.25 – 2.50
<b>Flow rates</b>	gpm	44 - 9200
<b>Wash water pressure</b>	bar	3 - 6
<b>Nozzle opening (std)</b>	mm	25
<b>Power</b>	kW	0.37
<b>Electric motor</b>		3P 460V 60Hz IP55

## Materials of Construction

<b>Frame</b>	SST	AISI 304
<b>Wedgewire cylinder</b>	SST	AISI 304
<b>Discharge tank</b>	SST	AISI 304
<b>All components/fasteners</b>	SST	AISI 304
<b>Cleaning blade</b>		Brass

## 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-DrumSieve** Externally-fed Rotating Drum Screen  
**Flo-GritWash** Grit Classifying and Washing System  
**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-RotoDrum** Internally-fed Rotating Drum Screen  
**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.

5701 Industrial Avenue  
 Rockford, IL 61111  
 P. 815.636.8306 • F: 815.636.8302

[ecsales@Enviro-Care.com](mailto:ecsales@Enviro-Care.com)  
[www.Enviro-Care.com](http://www.Enviro-Care.com)

© 2012 Enviro-Care  
 FDE-0212  
 Revision: A