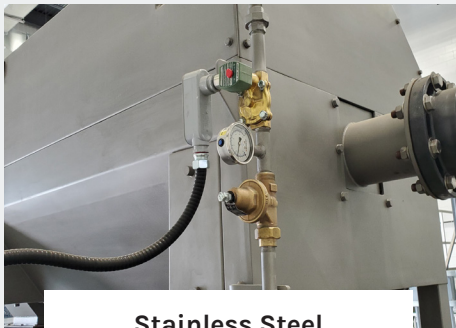


# SMALL FOOTPRINT Screen Systems



**Stainless Steel**  
HEAVY DUTY CONSTRUCTION



**Low Water Consumption**  
SLOW-RATE VELOCITY



**Built to Suit**  
OPTIONS FOR ANY APPLICATION

## Overview

Proper screening is the first component to consider as part of an effective wastewater treatment system. FRC designs systems to take advantage of the low power consumption and small footprint of screens to protect and prolong more expensive downstream equipment's lifespan.

Our internally fed rotary drum screens are available as flat-welded wedge wire or perforated plate with openings typically ranging from 0.010" (250 microns) to 0.1" (2,540 microns) depending on the application, flow rate, and the nature of the solids. Screen diameter can reach 80", with lengths up to 180" on a single screen. Our screens include a custom headbox design, splash guard enclosures, trunnion wheels, drive system, spray bar, auto chain oiler, and base frame.

## Features

### Materials of Construction

Our screens are constructed using high-end stainless steel, which is resistant to corrosion, can be installed indoors or outdoors, and is extremely durable and long lasting. Depending on the application, we can accommodate various alloys including Stainless Steel 316ti and Duplex Stainless Steel.

### Deliberate Rotational Speed

Our rotary drum screens rotate at a deliberately slow rate. Other manufacturers rotate their screens around 10-12 RPM. We like to look at it as the slower, the better. At a slower rate, solids roll and tumble on the lower part of

the drum for longer amounts of time before discharge, which maximizes solids dewatering. Because of the lower rotational velocity, our rotary drum screens need less water at a lower pressure to keep the screen clean. Most importantly: our sprays do not run all the time.

### Complete Screen Systems

Screen applications can be enhanced with auxiliary equipment such as:

- Flow and level instrumentation
- Transfer pumps
- Buffer tanks (SS304 for screen mounting)
- Equalization tanks with pH control and mixing

