

PRODUCT DATA SHEET

Rotating Drum Screw Screen with Compactor (SSTF)

water | wastewater | sewage



OVERVIEW

This machine is used for the separation and subsequent dewatering and compacting of the solid content in wastewater coming from industrial and municipal plants.

The machine is composed by:

- External structure in stainless steel AISI304 L/316 L
- Screw in high carbon steel or stainless steel AISI304 L/316 L
- Outer rotary loading drum concentric to the loading basket (drilled sheet or wedge wire)
- Loading basket
- Transport section: tube or U-shape trough
- Discharging section: with compactor
- Driver and gear reducer
- Supporting adjustable foot



The floating and suspended materials (screenings) in the sewage enters in the basket and forms a mat on the screen element which increases the level upstream of the screen. A level sensor sends a signal to start the rotation of the screw screen and the outer rotary loading drum.

During rotation the outer drum discharges solid in the screw conveyor with the aid of outer rotary loading drum washing system. The outer surface of the screw screen is further cleaned by brushes fixed on the outer side screw so that makes cleaning action during rotation.

The compactor located at the end of the transport section, on top of the machine, makes compaction and dehydration of solid, to reduce weight and volume.

ADVANTAGES

- Low speed of rotation and no intermediate supports
- Self-cleaning with brushes fit on the screw
- Low maintenance and low initial investment
- Considerable reduction of volume and weight at the end of processing (up to 50%)
- High solids removal efficiency



TECHNICAL DETAILS

Model	SSTF24	SSTF32	SSTF40	SSTF48	SSTF55	SSTF63	FR72	SSTF78	SSTF87	SSTF94	SSTF102
A	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600
B	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600
C	420	580	770	930	1050	1400	1400	1550	1700	1850	2000
D	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

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