

**WASTEMASTER™**  
Combined Pre-Treatment Plant  
TSF-3



WASTEMASTER™ Compact Plant



# WASTEMASTER™ TSF-3 Combined Pre-Treatment Plant

## A Self-Contained Pre-Packaged Treatment Plant with Solids Screening, Grit Removal and Degreasing.



Brazil- TSF with Operating Platform, 14m long

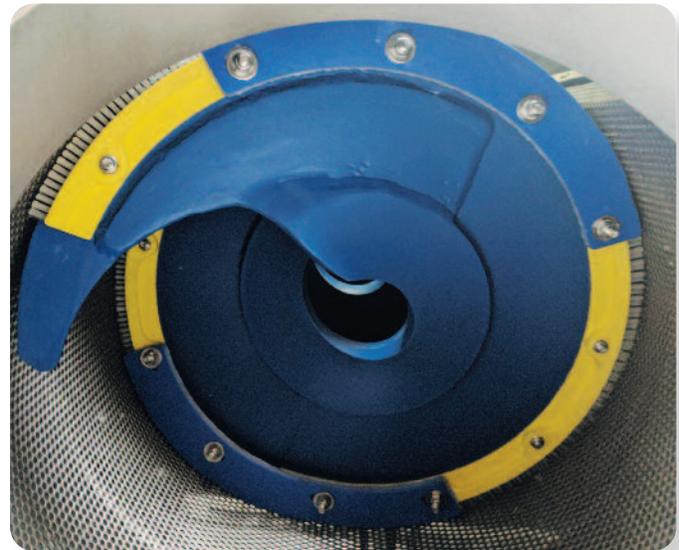
The WASTEMASTER TSF 3 is a complete, above-ground headworks requiring minimal space and civil works. The Combined can be the only pre-treatment for a small plant or a way to increase pre-treatment capacity or avoid overloading of downstream processes in any size plant. The standard SPECO® design utilizes a WASTEMASTER GCP screw screen. However, other screens types such as rotating drum or multirake screens are an option depending on the application.

WASTEMASTER TSF 3 is completely modular with tanks and supporting structure that are assembly together without any needs of welding parts. This permit a high flexibility and low transport cost in case of completely disassembled transportation.

The innovative design of the floating screw system can operate in Industrial and Municipal Waste Water Treatment Plants.

### Features & Benefits

- Compact, modular design.
- Best foot print / net volume ratio.
- Volume reduction of solids up to 40%.
- Long lasting, heavy-duty screws.
- Grease removal system options: floating scraper or floating screw.
- Above ground installation.
- Requires little space and minimal civil works.
- Low investment and maintenance costs.
- Sectional, durable polymer brushes for long life and ease of maintenance.
- Can be assembled on site.



Polymer brushes



Grease being collected and discharged by the TSF floating screw.



Floating scraper



Formerly Enviro-Care®



With over 10-years of experience and 500 installations worldwide, SPECO's application and technical knowledge insures proper sizing and component selection for each specific applications. The unique modular design allows the SPECO Combined to be configured for standard and specialized pre-treatment applications. The Combined can be found processing wastewater, sludge, FOG and septage.

The new Combined Pre-Treatment Plant can be also combined with the SAVI Septage-FOG-Sludge screening System, or other screening technologies, to provide efficient solids separation, sedimentation and de-greasing even with higher flows and unwanted solids.



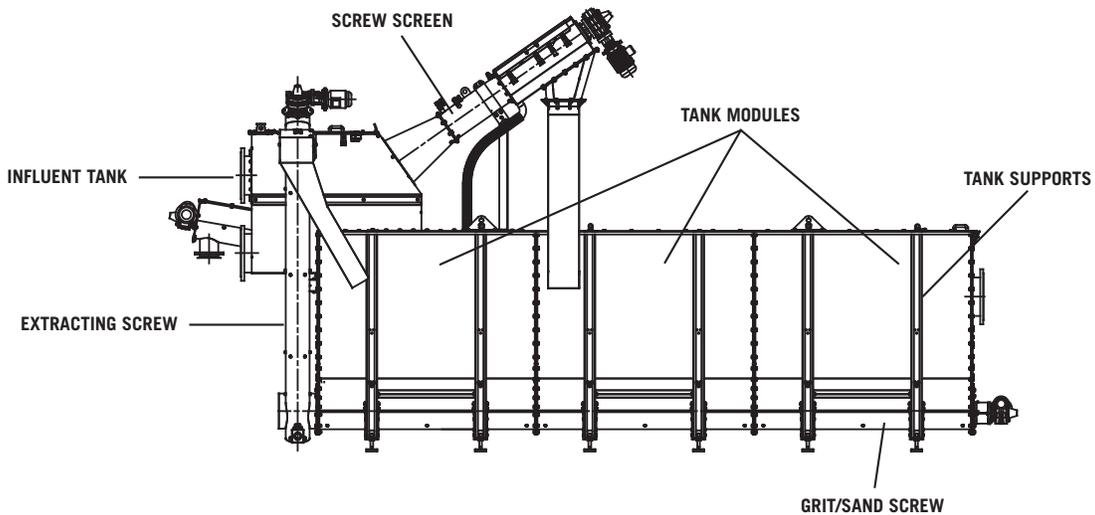
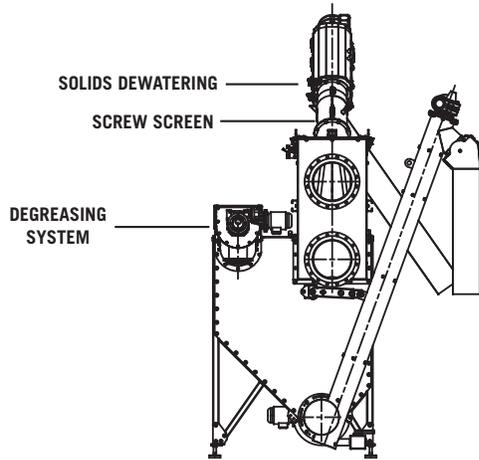
Spain - WASTEMASTER TSF 3 equipped with SPECO GCP, 6m long



Italy - 200 GPM SPECO Combined Plant



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## Technical Information

Flow Rates From	150 gpm to 4.8 MGD
Sand Separation	95% Particle Size $\geq$ 0.2 mm
Standard Tank Widths	3.6 ft., 5 ft. and 6.5 ft.
Standard Tank Lengths	6.5 ft. to 39 ft.
Perf screen Openings	2, 3, 5, 6 and 10 mm
Wedgewire Openings	0.5, 1 and 2mm

## Standard Wastewater Flow Rates

Model	Flo Rate
S 10	200 GPM
M 10	618 GPM
M 30	1.9 MGD
L 20	2.7 MGD
L 30	4.8 MGD



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