

Waste Water Treatment

Rotary Drum Screen

WASTEMASTER FTR



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Description ▼

WASTEMASTER FTR is a rotating drum screen designed to combine the separation of the solids present in the effluents to the compaction and de-watering of the screenings so obtained. It consists of a rotating drum screen basket, a screw conveyor (with SINT® self cleaning drainage liner) and, as an option, a compacting module.

Function ▼

WASTEMASTER FTR is a space-saving machine that combines multiple functions in one machine only: screenings separation, drainage, transport and compaction.

Depending on the screen size of the drum and screen mesh dimensions, there can be obtained a flow rate up to 2,000 l/s.



Application ▼

WASTEMASTER FTR has been developed for high waste water flow rate applications that require reduced overall dimensions. Based on these requirements, SPECO® has developed a large screening surface machine that ensures high flow rate. Furthermore, the process has been optimized through the introduction of a special single motor transmission both for the rotary basket and the screw conveyor.

Benefits ▼

- ✓ High flow rates;
- ✓ No material stagnation at the inlet;
- ✓ SINT® liner and jagged flight for high removal rate of difficult materials such as fibers;
- ✓ Single drive unit for a low energy consumption.

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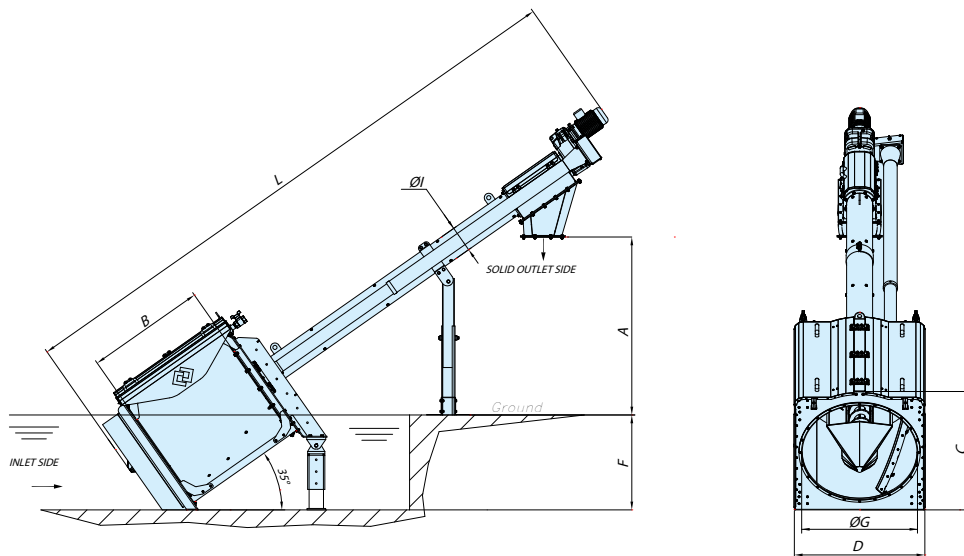


Technical Features / Performance ▼

- ▶ Free inlet spout
- ▶ Self-supporting drum and extracting screw
- ▶ Self-cleaning drainage liner in SINT®
- ▶ Different mesh size and flow rate

Overall Dimensions ▼

| Size | Flow Rate l/sec | | | | |
|------|------------------|-----|-----|-----|-----|
| | Round Holes (mm) | | | | |
| | 2 | 3 | 5 | 6 | 10 |
| 800 | 75 | 120 | 130 | 140 | 210 |
| 1000 | 130 | 170 | 200 | 210 | 250 |
| 1200 | 180 | 240 | 270 | 280 | 305 |
| 1400 | 300 | 350 | 400 | 420 | 530 |
| 1600 | 410 | 500 | 575 | 620 | 920 |



| Size | A | B | C | D | F | ØG | ØI | L |
|------|-------|-------|-------|-------|-------|-------|-----|-------|
| 800 | 1,500 | 800 | 1,000 | 900 | 600 | 800 | 219 | 5,000 |
| 1000 | 1,500 | 1,000 | 1,200 | 1,100 | 800 | 1,000 | 219 | 5,300 |
| 1200 | 1,500 | 1,200 | 1,400 | 1,300 | 1,000 | 1,200 | 323 | 5,600 |
| 1400 | 1,500 | 1,400 | 1,600 | 1,500 | 1,200 | 1,400 | 323 | 6,000 |
| 1600 | 1,500 | 1,600 | 1,800 | 1,700 | 1,300 | 1,600 | 323 | 6,200 |

Dimensions in mm

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