

Rotary Drum Screens WASTEMASTER® FTR



**HIGH
FLOW RATES**

DE-WATERING, CONVEYING AND COMPACTING ALL IN ONE

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

WASTEMASTER® FTR is a space-saving machine that combines multiple functions in one machine only: screenings separation, drainage, conveying and de-watering.

Depending on the screen size of the drum and screen mesh dimensions, a flow rate of up to 2,000 litres per second can be obtained.

Technical Features

- Fabricated parts entirely manufactured from 304 L / 316 L SS
- Shaftless conveyor screw manufactured from 304 / 316 SS or special high resistance steel
- Perforated or wedge wire drum screen in various mesh sizes
- Versatile unit for concrete channel installation
- No outlet end bearing, no intermediate bearings
- Solids extraction of up to 15 m³/h
- Self-supporting drum and extracting screw
- Single drive unit



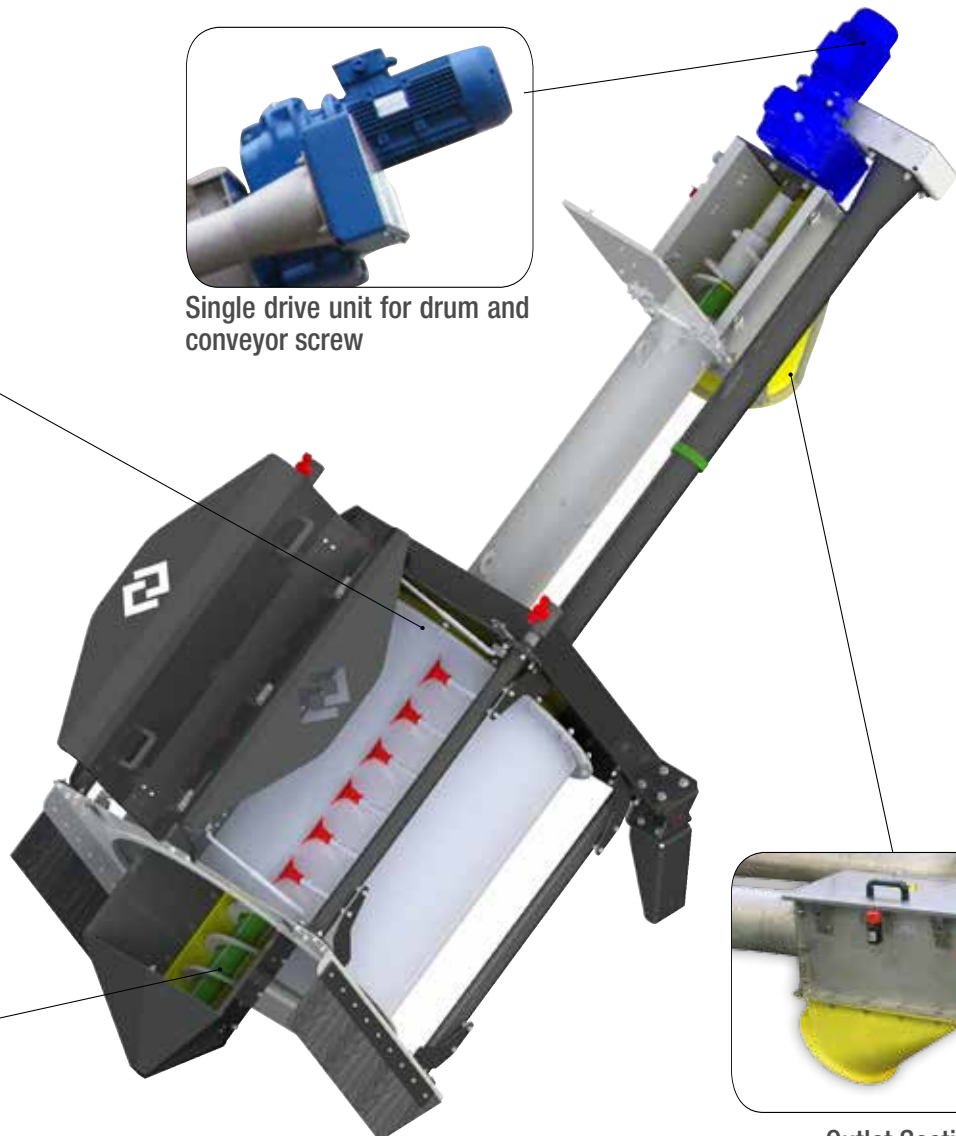
Rotary drum with cleaning nozzles



Single drive unit for drum and conveyor screw



SINT™ Self Cleaning Drainage

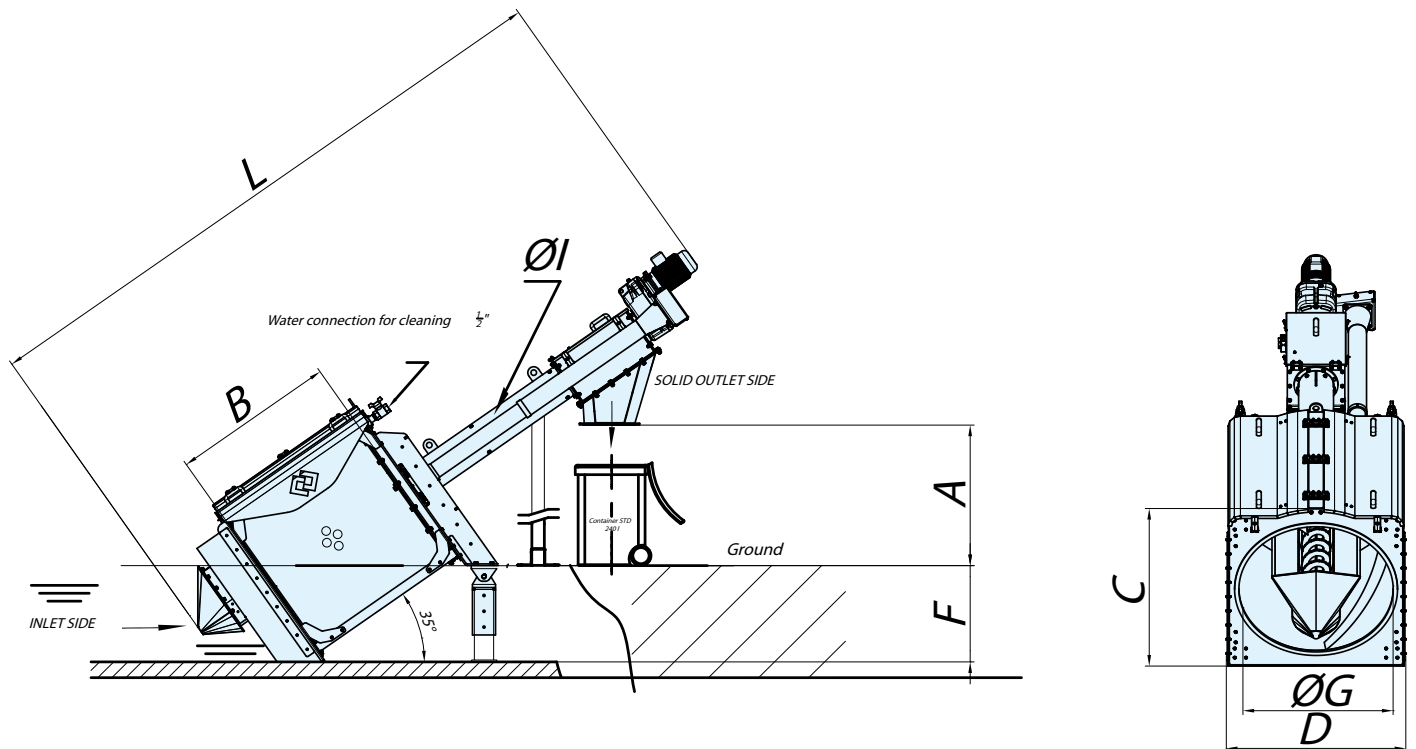


Outlet Section

Benefits

- ✓ High flow rates;
- ✓ Obstacle-free inlet;
- ✓ SINT™ liner and jagged screw flighting for high removal rate with difficult materials such as fibres;
- ✓ Single drive unit with a low energy consumption.

Overall Dimensions



| 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 |
| 1800 | 1,500 | 1,800 | 2,000 | 1,900 | 1,500 | 1,800 | 406 | 6,500 |
| 2000 | 1,500 | 2,000 | 2,200 | 2,100 | 1,700 | 2,000 | 406 | 7,000 |

Dimensions in mm

Accessories

- Bag-clamping system
- Collar
- Endless tube

Application



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