



The rotary drum screen is perfectly adapted to the pre-treatment of highly loaded wastewater (industrial waste cleaning grit, sand waters, etc...). It is recommended for station receiving rainwaters (presence of sands) and upstream of membrane process (the perforated sheet steel allows to retain fibrous materials).

This is a free standing equipment installed outside channel.



ADVANTAGES

- Fine filtration mesh
- Design with (TC) compactor or without (T) compactor
- Equipment fully covered with inspection hatches
- Particularly effective against highly loaded effluents (e.g. industrial effluents)
- Easy to use (fully automated)
- Filtering length from 1 000 to 3 000 mm
- Construction material : stainless steel AISI 304L or AISI 316L





OPERATING PRINCIPLE

The rotary drum screen consists of a **screening drum** (filtration part) and of a **spiral** attached to the inside of the screen to allow the transfer and removal of the waste.

The process consists of one and/or two main steps: **screening** and **compacting**.

The raw wastewater is fed to the inside of the drum and passes through the mesh of the sieving drum to the outside of the drum. Screened waste are transported to the end of the drum by means of spiral fixed to the inside of the drum. The filtration grid is made of round holes perforated plates.

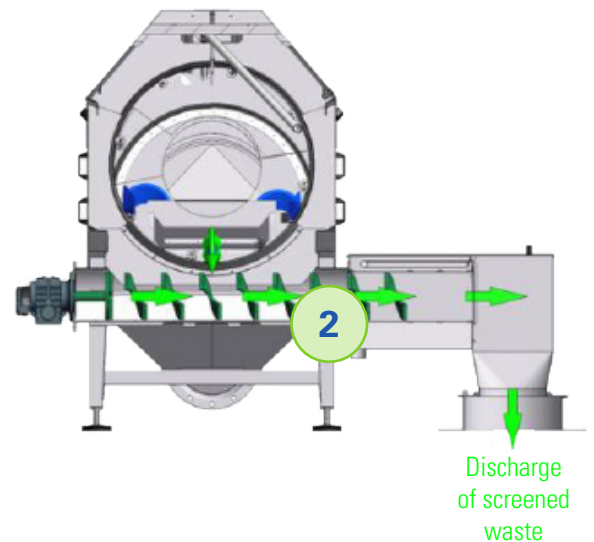
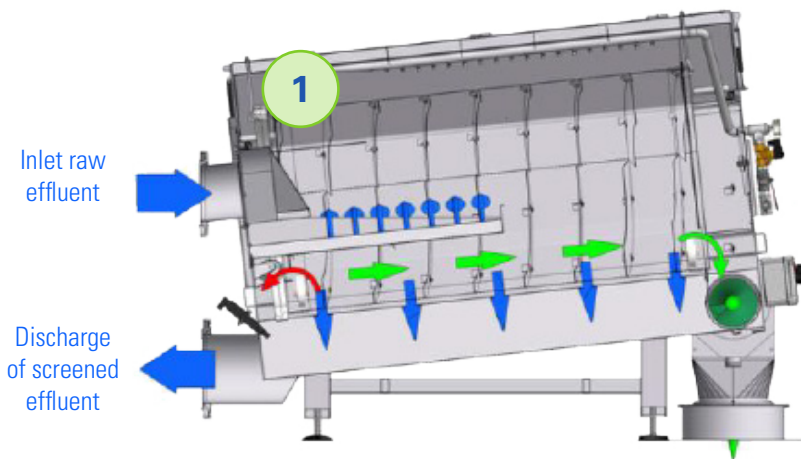
A screw compactor can be integrated into the rotary drum screen.



1
Sieving drum
 Screening mesh from 0,8 to 10 mm



2
Compacting screw
 Obtaining a compact waste and reducing volumes by more than 50%



RANGE & OPTIONS

A range of **7 rotary drum screens** with or without compactor to handle flows up to 500 m³/h depending on the screening mesh.

| Description | |
|------------------|--|
| Type T & TC | from 840 to 3150 |
| Max throughput * | from 35 m ³ /h to 500 m ³ /h |
| Input diameter | from 80 mm to 400 mm |
| Output diameter | from 100 mm to 450 mm |

* flow of urban water with 1 mm round hole drums - TSS < 500 mg/l



By-pass tank



Installation on platform

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Certification ISO9001 - ISO14001



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