

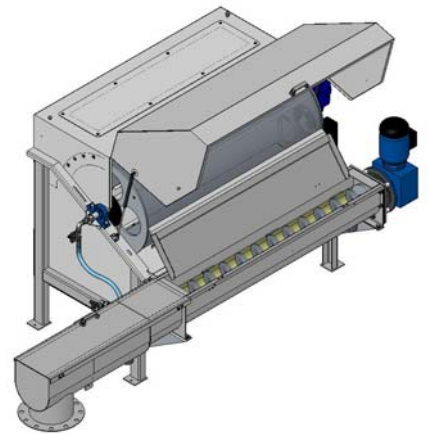
ROTARY SIEVING DRUM

Leader in the design and the manufacturing of sludge treatment systems for drinking water, waste water and sludge, EMO is present in 5 continents of the globe and holds more than 2500 recommendations to its credit since the company's creation in 1985.

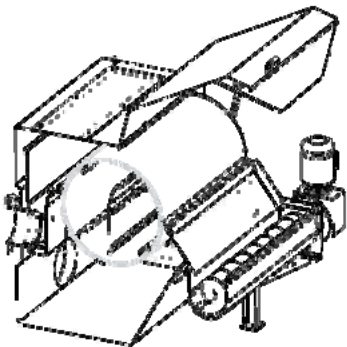
EMO offers a wide range of rotary sieving drum to match any plant size, keeping in mind the following targets:

- ✓ Solids recovery for recycling
- ✓ Effluent recycling
- ✓ Above 2 objectives combined in line in the process
- ✓ Reduction of settling matters, suspended solids, BOD, COD in pretreatment installations

EMO does not only provide electromechanical equipment but engineering and process solution thanks to the expertise of its Chemical & Process Engineers.



Technical data



The key part of the system is a filtrating rotary drum with a mesh opening ranging from 0.25 to 4 mm.

The liquid enters the system through a flange in the mid part of the tank.

Once the liquid has crossed the distribution tank, it overflows outside on the upper part of the drum.

Water flows through the wedge wire type grid whereas solids remains on the outside of the drum and are discharged by means of a scraper.

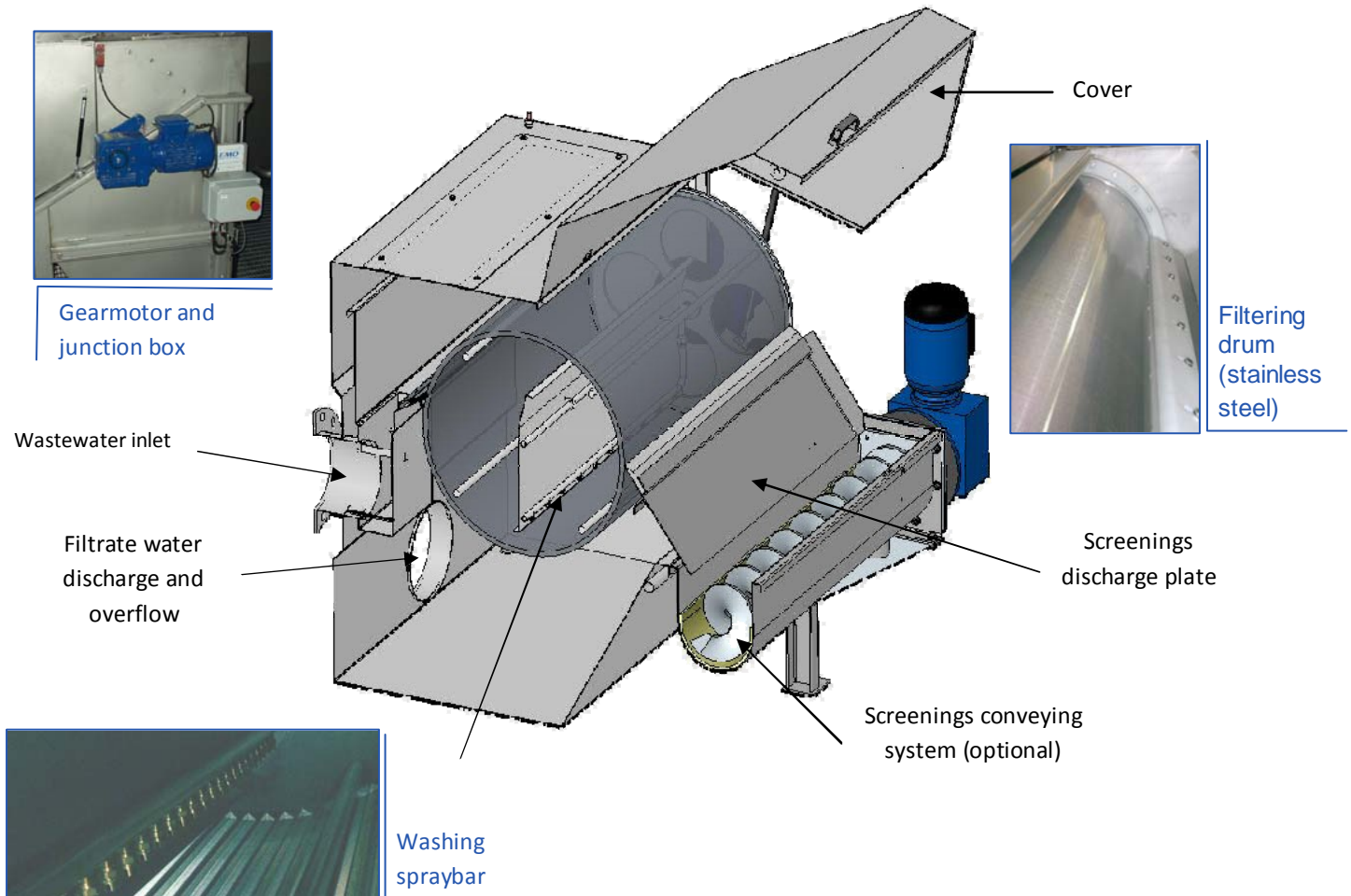
Filtrate liquid passes through the drum upstream and assures the cleaning of the filter.

The internal deflector prevents the liquid from being ejected on solids

Installations



Operating principle



Selection tables

Flow rates are given for effluents which contain a maximum of 200 mg/l of solids and not containing grease and fibers. If your effluent is different, please contact us.

Model	Flow (in m3/h) against Filter mesh opening (in microns) *						
	250	500	750	1000	1250	1500	2000
TR 120500	50	105	130	155	175	195	205
TR 121000	110	185	240	300	335	375	400
TR 121500	165	265	365	440	500	560	605
TR 122000	215	350	480	580	660	745	800

(*)Design parameters

- Minimum and maximum size of solid particles
- Proportion of each size of particles if effluent not homogeneous
- Relative viscosity (oily, greasy, sandy, fibrous...)
- Suspended solids concentration in mg/l
- Effluent volume to be treated in l/s (or m3/h)

