



**FSM Frankenberger
GmbH & Co. KG**

Equipment for Water
and Waste Water
Inlet Works



Rotary Drum Screen



FSM Frankenberger GmbH & Co. KG
Vor dem Hohen Stein 1 · D-35415 Pohlheim/Garbenteich
Tel. +49 (0) 06404-9194-0 · Fax +49 (0) 06404-9194-91
info@fsm-umwelt.de · www.fsm-umwelt.de

FSM Rotary Drum Screen



Functional principle:

Waste water flows through a revolving drum, which is installed at an angle of 35°. The wastewater flows into the open end of the drum. Floating and suspended screenings are retained by the screen basket, which is available with a perforation or a wedge wire.

The upper third of the drum is cleaned via a line of nozzles.

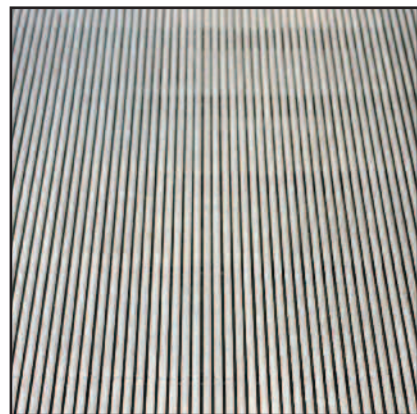
The screenings thereby separated out drop into the screw conveyor, which transports and compacts the screenings. The design ensures that the screen side to be cleaned is always in the upstream water, avoiding the "carry-over" effect.

Perforation size/Bar spacing of the screening area can be between 1 / 0,5 mm and 10 / 6 mm. Cleaning of the drum is effected by a spray nozzle bar and a brush. Drum and conveyor are driven by a geared motor.

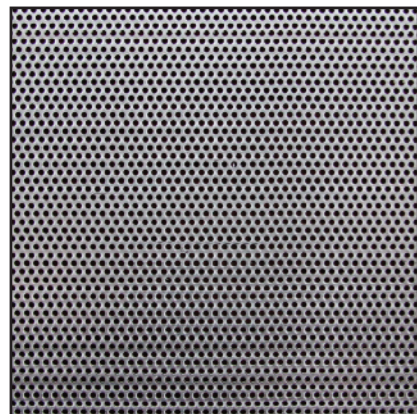
The FSM rotary drum screen could be installed directly into a channel or as an option into a tank.

Features:

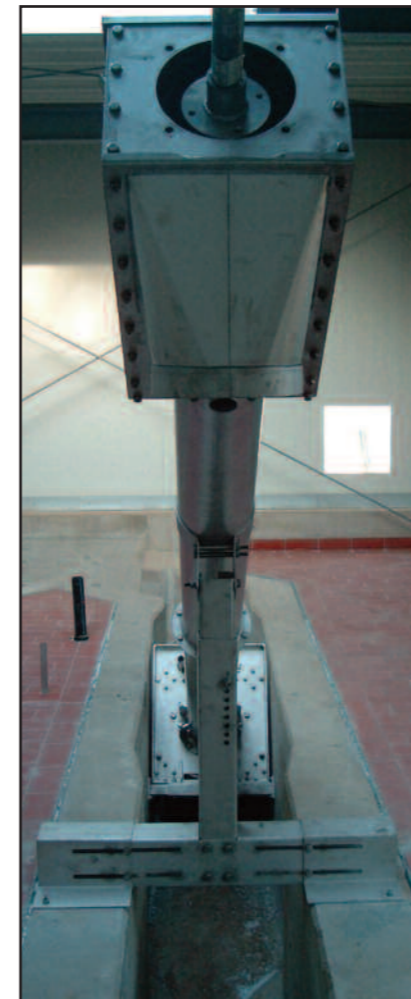
- High reliability through robust construction
- Low headloss
- High pressure cleaning with 120 bar available
- Excellent cost/performance ratio
- Installation in channels or in stainless steel tanks
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions
- Machine completely hygienically Encapsulated



Wedge wire screen



Perforated screen



Applications in municipal and industrial clarification plant

- waste water pre-treatment / fine screening
- sludge screening / secondary sludge
- sludge screening / primary sludge
- fecal matter reception and treatment

Industrial applications

- textile and textile finishing industry – preliminary clarification of total waste water
- meat, fish and poultry processing / slaughterhouses – preliminary clarification of total waste water
- sugar industry - preliminary clarification of total waste water
- fruit and vegetable processing – preliminary clarification of total waste water
- breweries – preliminary clarification of total waste water

Dimensions:

Diameter	500 to 3000 mm
Perforation	1 - 10 mm, other sizes on request
Bar Spacing	0,5 - 6 mm, other sizes on request
Installation angle	35°, other angles on request

Material/make:

machine frame	stainless steel SS304 or SS316, other materials on request
filter element	stainless steel SS304 or SS316, other materials on request
drives	geared motors, make SEW