

## Storm-water screen



Specialized in environment  
Technology **since 1970**

### Functionality of the Storm-water screen:

The screening surface consists of a half-cylindrical, perforated screening basket. Compared with bar screens, this design results in a substantial increase in the amount of screenings retained. This is a decisive argument when discharging into receiving water. The screening basket is mounted in the waste water channel parallel to the sill. The cylindrical screening surface results in a substantial increase in the flowed through area compared with other solutions, combined with a compact design.

Waste water flows through the screening surface from bottom to top. The flow direction enables the screen to be emptied within the waste water channel. Screenings do not need to be conveyed by pump etc. from the outflowing channel side back to the waste water channel. Cleaning of the screening surface takes place during the discharging operation so that continual operation is provided.

The screening surface is cleared via an extruding screw built into the screening basket. At the end of the screening surface, the screenings are returned to the waste water stream and flow in the direction of the clarification plant.

In a special version, the unit can be provided with a submersible drive.

#### Advantages:

- High reliability through robust construction
- The perforated screening surface ensures a very high retention of screenings
- Efficient cleaning via extruding screw and brush
- Retained screenings are conveyed back into the waste water stream
- Excellent performance/price ratio
- Low maintenance costs
- Can be used outdoors and for operation in winter
- Easy retrofitting to suit changed operating conditions
- The FSM storm-water screen has proved itself in trouble-free operation since 1998

The FSM storm-water screen was developed to overcome particular problems encountered in storm-water treatment installations.

In 1997, FSM developed an efficient storm-water screen for waste water, in order to retain screenings and sanitary articles and prevent them from entering the receiving water. The first machine was installed in 1998 and has been operating trouble-free since then.

The FSM storm-water screen represents the ideal waste water pretreatment solution for all surplus disposal works.

## The specialists for environmental technology

### Machines for water and wastewater treatment

#### Applications in municipal and industrial clarification plants

- Waste water pre-treatment / fine screening
- Pumping stations
- Surplus disposal works



Regenwetterrechen (Detail)

#### Dimensions:

Basket diameter	up to 1000 mm, larger diameters on request
Length	up to 10 m, larger lengths on request
Perforation size	6 - 25 mm, other perforation sizes on request

#### Material/Make:

Machine frame	stainless steel 1.4301 or 1.4571, other materials on request
Screening basket	stainless steel 1.4301 or 1.4571, other materials on request
Extruding screw	coated steel, stainless steel 1.4301 or 1.4571, other materials on request
Brush	PP or Nylon
Drives	geared motor, make SEW

#### Machines for water and waste water treatment

Excellent innovative capacity combined with many years of experience and a highly motivated team providing advice, assembly and service are your guarantee of outstanding products “Made in Germany”, expert contract management through to commissioning and, of course, thereafter.

Get to know us, perhaps in the near future at a Trade Fair in your locality.



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