



**Storm water screen**



*Good Ideas  
bring Success!*





## FSM – Storm water screen

...meets the most demanding specifications

The FSM storm water screen was developed to deal with particular problems associated with sewage pre-treatment plant.

The storm screen was an advancement of the new design of the FSM fine screen. This has resulted in an optimum product for the preliminary treatment of wastewater, providing high performance coupled with low operating costs.

### Functional principle:

The wastewater flows through perforated filter elements made of stainless steel, whilst contaminants are held back. The water can flow through both sides of the screen. The filter elements form a continuous filter belt, which is cleaned by a brush at the upper deflection point. The screenings will be discharged back to the wastewater. Sealing at the sides prevents solids from circumventing the filter. The filter elements can be individually and quickly exchanged.

### Features:

- High reliability through robust construction
- The filter screen allows the passage of grit without malfunctioning.
- Discharge of grease in large quantities presents no problem.
- Highest possible cleaning effect via perforated filter elements.
- Filter elements optimally cleaned as result of their shape (segment of circle).
- Screenings conveyed positively to the discharge point.
- Excellent cost/performance ratio
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions





### Dimensions:

- Filter width 300 to 3000mm
- Shaft centre distance up to 11000mm, larger sizes on request
- Filter element hole size 3, 5, 6, 8, 10, 12mm, other sizes on request

### Material / makes:

- Machine frame stainless steel 1.4301 or 1.4571
- Filter element stainless steel 1.4301 or 1.4571
- Chains worm geared motors, make SEW
- Chain weels wear resistant stainless steel
- Chain supports plastic
- Side sealing plastic
- Filter belt cleaning rotary brush segments of PP or nylon
- Drives worm geared motors, make SEW

### Applications in municipal and industrial clarification plant:

- Waste water pre-treatment / fine screening
- Sea water treatment
- Rainwater tank overflow and storage channel screening





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