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**FSM Frankenberger
GmbH & Co. KG**

Equipment for Water
and Waste Water
Inlet Works



Basket
Screen



FSM Frankenberger GmbH & Co. KG
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FSM Basket Screen

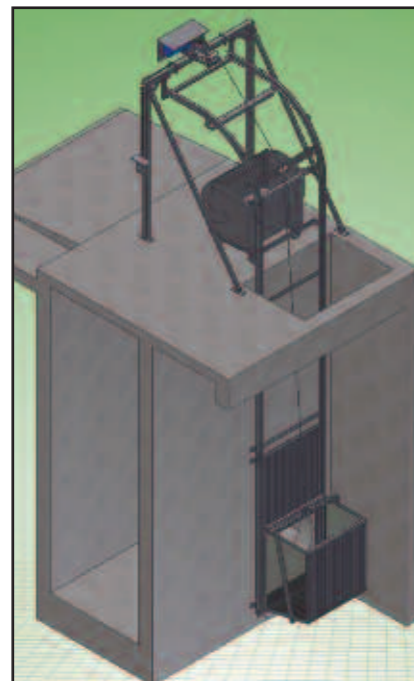


Functional principle:

The basket screen for installation in sump shafts is based on the design of our grab bar screens. The basket of the screen is raised and lowered in the shaft via an electric hoist. The basket is guided by two guide rails built into the shaft and four rollers fitted to the basket. The guides are curved above the operating level, which allows an automatic emptying of the basket into the dumpster. Final emptying is carried out by hand with a rake. While emptying the basket at the top a coarse bar screen is closing the channel.

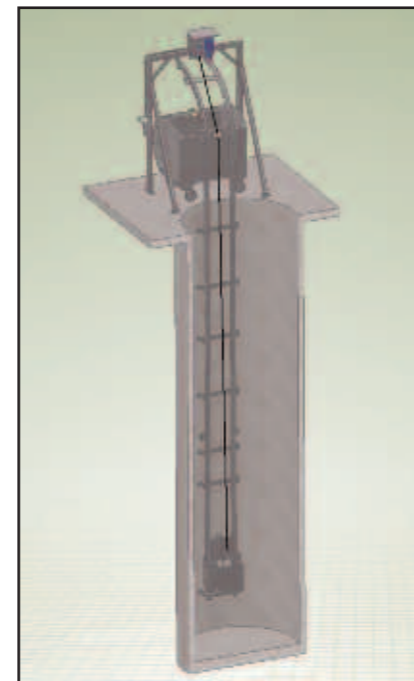
The drive is mounted on bracket on the crossbeam of the frame and consists of a wire rope drum with geared motor. The hoist is provided with limit switches for the motor at the top and bottom positions of the basket – the end positions can be adjusted as desired.

The screen is manually controlled via a local control station with dead man's switch for raising and lowering the basket.



Features:

- High reliability through robust construction
- The screen allows the passage of grit without malfunctioning.
- Discharge of grease in large quantities presents no problem.
- Screenings conveyed positively to the discharge point.
- Reliable guiding of the basket in a trackway
- Excellent cost/performance ratio
- Low maintenance costs
- Suitable for outdoor sites / operation in winter
- Easily adapted to suit changed operating conditions



Applications in municipal and industrial clarification plant

- waste water pre-treatment / coarse screening
- sludge screening / secondary sludge
- sludge screening / primary sludge
- sea water treatment
- rainwater tank overflow and storage channel screening
- supply pumping stations
- protective installations for downstream equipment
- decontamination of running waters

Applications in the paper and cellulose industry

- wash water, debarking plants
- coarse matter runoff, channel water

Applications in power stations

- cooling and service water screening (river intake etc.)
- sea water screening

Industrial applications

- cooling and waste water screening (river intake etc.)
- sea water screening
- 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
- composting installations, waste product and disposal engineering, seepage water treatment
- fruit and vegetable processing – preliminary clarification of total waste water
- animal meal production– preliminary clarification of total waste water

Dimensions:

filter width	100 to 1500 mm, larger sizes on request
channel depth	up to 15000 mm, larger sizes on request
slot opening	6 – 100 mm, other sizes on request
mounting angle	90°, 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
rope	stainless steel SS304 or SS316, other materials on request
use with sea/brackish water	sea water resistant material for machine frame, filter element

The FSM Basket Screen meets the most demanding specifications

The FSM Basket Screen was developed to deal with particular problems associated with sewage pre-treatment plant.

Parallel to the increasing demands of users, FSM introduced modifications to the basic design. These have resulted in an optimum product for the preliminary treatment of waste water -providing high performance coupled with low operating costs.