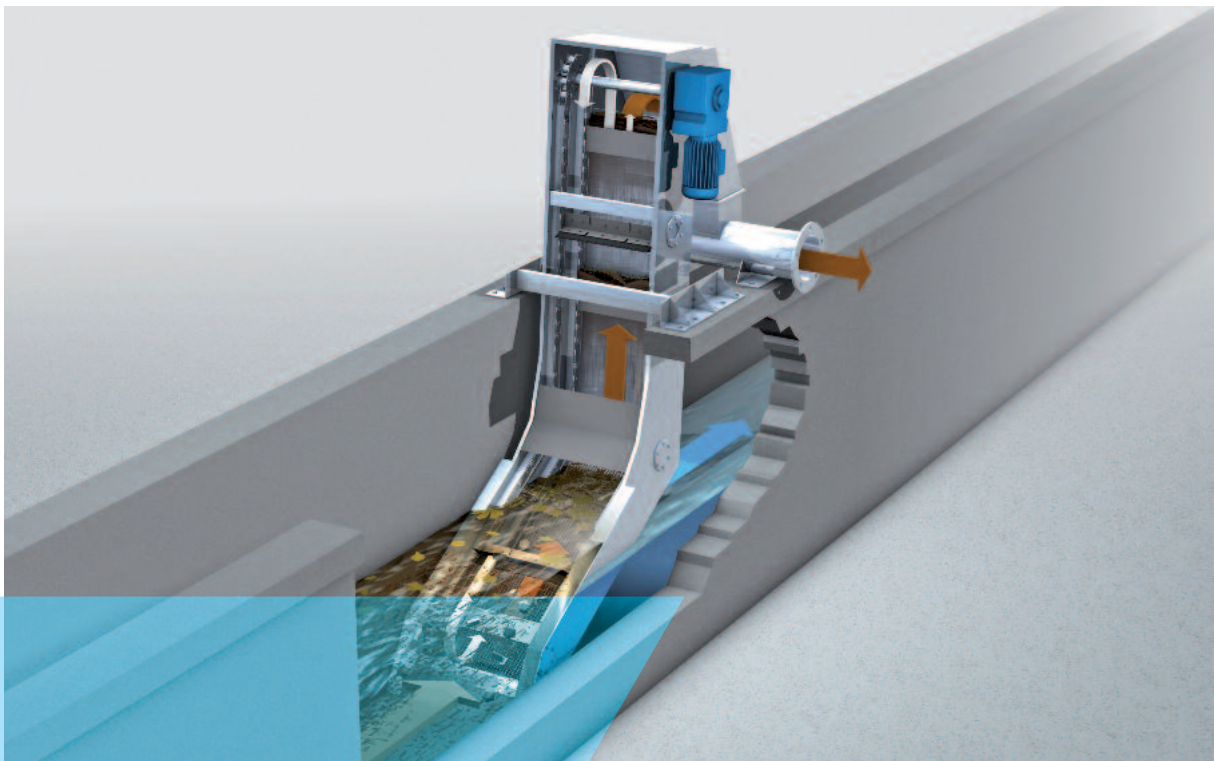


HUBER RakeMax[®]-hf (high flow) Multi-Rake Bar Screen



Reliable separation of solids from wastewater

- Low headloss due to the large effective bar rack surface
- Variable installation angle of bar rack and discharge unit
- High screenings discharge capacity

►► Design and function

The HUBER RakeMax®-hf Multi-Rake Bar Screen is the 'high flow' version and further development of the successful HUBER RakeMax® Multi-Rake Bar Screen that is well-proven in hundreds of installation. The RakeMax-hf® screen consists of a flat and therefore hydraulically advantageous bottom section and a steep conveying section.

Material removal starts virtually right at the bar rack mounted flat to the channel bottom so that any accumulation of disturbing material is eliminated. The optimal approaching flow conditions and large effective bar rack surface ensure a high hydraulic throughput capacity.

The cleaning elements, attached to the chain system, can easily be adjusted to different requirements so that a highly variable screenings discharge capacity is achieved. This is especially favourable for high solids loads. Depending on the size of bar spacing, the bar rack design is either a flow-optimising bar or non-blocking wedge wire profile.

Both ends of the cleaning elements are connected to drive chains. Each chain is driven by a sprocket on a common shaft and a flange mounted gear motor.

At the end of the bar rack cleaning cycle the cleaning elements are cleaned by a pivoted comb that reliably discharges the removed screenings into a downstream unit. The easy to access and maintain drive unit is installed above the channel. Due to the screen's compact design its height above floor is very low.

►► Benefits

- High hydraulic capacity due to the extremely flat installation angle of the bar rack
- High operating reliability due to defined meshing of the cleaning elements with the bar rack
- No accumulation of disturbing material due to material removal from the screen starting virtually right at the bar rack mounted flat to the channel bottom
- Compact design
- Easy-to-retrofit into existing channels
- Completely odour-encased screen with easy to remove covers
- Installation without channel recesses possible
- Not hindered by gravel or gritt
- Simple and easy-to-access drive unit
- All parts in contact with medium (except the drive and bearings) are made of immersion pickled stainless steel.
- High screenings discharge capacity
- Uncomplicated later change of the bar spacing
- No additional consumables such as service water required for plant operation, except electric current

►► Screen sizes

Channel width: up to 3,000 mm

Bar spacing: 1 – 12 mm

HUBER SE

Industriepark Erasbach A1 · D-92334 Berching
Phone: + 49 - 84 62 - 201 - 0 · Fax: + 49 - 84 62 - 201 - 810
info@huber.de · Internet: www.huber.de

Subject to technical modification
1,5 / 1 – 9.2010 – 9.2010

HUBER RakeMax®-hf Multi-Rake Bar Screen