



# HUBER

## Coarse Screen TrashMax®

Sturdy screen for coarse material removal

- ▶ High-capacity screen rakes
- ▶ High operational safety due to efficient and reliable screen rack cleaning
- ▶ Reliable removal of even bulky coarse material

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## Design and function

The HUBER Coarse Screen TrashMax® is ideal to be used in pumping stations, as first treatment stage of wastewater treatment plants or industrial plants, and in the inlet to power plants. The screen removes coarse and bulky material and therefore protects downstream systems.

The cleaning elements, attached to the chain system, can easily be adjusted to different requirements and remove even heavy objects and bulky material. As the cleaning rakes can be variably adapted, removal capacity is then adjustable. The benefit of high cleaning efficiency is especially favourable for high solids loads.

The installation height of the HUBER Coarse Screen TrashMax® above ground level is very small and only dependent, even in case of deep channels, on the installation height of screenings transport or disposal units. Both ends of the cleaning rakes are connected to robust drive chains. Two wear-resistant rollers on each side, running in lateral guiding tracks, ensure true and smooth running of the rakes as they move upwards with the result of reliable intensive screen rack cleaning. Each chain is driven by a sprocket on a common shaft and a gear motor.

The rakes of the TrashMax® screen mesh with the screen rack bars at the bottom dead centre, at first with the back cleaned screen rack and then with the behind front cleaned screen rack. This operation principle avoids the accumulation of material in front of the screen and even extremely bulky objects are reliably removed by the screen rakes and transported upwards out of the channel.

The lower part of the HUBER Coarse Screen TrashMax® consists in the steep conveying section followed by the upper part, the flat discharge section with a small inclination. This screen design guarantees the reliable discharge of screenings into a downstream transport or disposal system.



*HUBER Coarse Screen TrashMax®.*



## The benefits of the HUBER Coarse Screen TrashMax®

- ▶ Innovative combination of a front cleaned and back cleaned screen rack in a single unit
- ▶ Reliable removal of bulky material with high operating reliability
- ▶ High capacity screen rakes
- ▶ Exact screen rake guidance for reliable cleaning of the front cleaned and back cleaned screen rack
- ▶ Compact L-shaped screen
- ▶ Easy to retrofit into existing channels
- ▶ Installation without channel recesses possible
- ▶ 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.
- ▶ No additional consumables, such as service water, required for plant operation except electric current



*Free discharge of the screenings prevents blockages.*



*The screen rack is cleaned by very robust high-capacity rakes. The number of cleaning rakes can be variably adapted, removal capacity is then adjustable. Even extremely bulky objects are reliably removed by the screen rakes and transported upwards out of the channel to the screenings discharge.*



Several HUBER Coarse Screen TrashMax® loaded in parallel.



HUBER Coarse Screen TrashMax® in operation.

## Screen sizes

Screen width:	up to 4,000 mm
Discharge height above channel floor:	up to 20 m
Bar spacings:	$\geq 20$ mm
Installation angle:	80°/40°



Screen installation in the inlet of a pumping station with discharge directly into a container.

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