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[HUBER Multi-Rake Bar Screen RakeMax® CF](#)

HUBER Multi-Rake Bar Screen RakeMax® CF



The innovative variant of the well-proven RakeMax® screen

- High hydraulic throughput capacity even with small bar spacings and narrow channels due to a U-shaped bar rack
- Optimal hydraulic utilisation of existing channels
- Unsusceptible to grit, gravel and stones

The HUBER Multi-Rake Bar Screen RakeMax® CF is perfectly suited to serve both municipal or industrial wastewater, and process water screening.

The HUBER RakeMax® CF consists of a U-shaped stationary bar rack installed between the two screen frames, parallel to the flow direction of the wastewater.

Whilst the wastewater flows into the open front side of the screen and out through both the left and right bar rack, solids are retained on the inner surface of the Ushaped bar rack.

The solids retained on the bar rack lead to gradual blinding of the bar rack surface which has an impact on the level difference in the channel. Cleaning of the screen bars starts at a defined water level in the channel upstream of the screen. The RakeMax® CF achieves

this with its cleaning elements attached to the chain system.

The discharge capacity can be adjusted to individual requirements as the number of screening elements attached to the chain system is variable.

Due to the specific design of the RakeMax® CF screen its height above floor is very low and, even in case of deep channels, only dependent on the installation height of the downstream screenings transport or washing system.

If the screen operation is blocked, an electric control reliably protects the screen against damage caused by overload.

At the end of the bar rack cleaning cycle the rake is positively cleaned by a pivoted comb which reliably discharges the removed screenings into a downstream transport or disposal unit. The easy to access and maintain drive unit is installed above the channel.

Due to its different design options the RakeMax® CF covers a very wide range of applications, allowing us to respond to the individual needs of our customers and to specific constructional and hydraulic site conditions. Screen sizes may vary from a channel width from 1 - 3 metres, a discharge height above channel floor up to 20 metres and bar spacings from 4 - 50 mm.

Benefits

THE BENEFITS OF THE HUBER MULTI-RAKE BAR SCREEN RAKEMAX® CF AT A GLANCE:

- High hydraulic throughput capacity even with small bar spacings and narrow channels due to a U-shaped bar rack
- Optimal hydraulic utilisation of existing channels
- Very low headloss – high separation efficiency
- Defined meshing of the cleaning rakes with the bar rack ensures a high operating reliability.
- Screen installation possible without a bottom step
- Compact design with a low installation height above ground level
- Completely odour-encased screen with easy to remove covers
- Easy-to-retrofit into existing channels, installation without channel recesses possible
- The screen is a sturdy self-supporting stainless steel construction and therefore can easily be lifted out of the channel.
- Not hindered by gravel or grit
- Simple and easy-to-access chain tensioning unit
- All machine components in contact with the medium are made of stainless steel and acid treated in a pickling bath (except chains, pinions, drives and bearings). The chains and chain wheels are optionally available in stainless steel.
- High screenings discharge capacity through a variable number of screen rakes
- Automatic scraper mechanism, no service water required
- Optional integrated emergency overflow

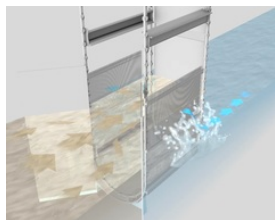
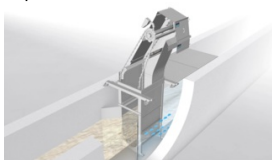
Downloads

 [Brochure: HUBER Multi-Rake Bar Screen RakeMax® CF](#) [pdf, 302 KB]

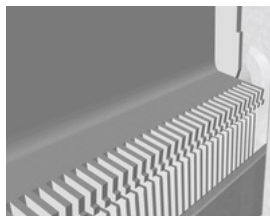
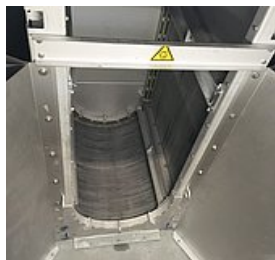
Case Studies

- [From screen building to sewage sludge drying: complete modernisation of the La Crosse wastewater treatment plant with HUBER](#)
- [The HUBER Multi-Rake Bar Screen RakeMax® – a success story with more than 3000 installed machines](#)
- [HUBER is pleased to announce the selection of its equipment for the La Crosse 2021 Wastewater Treatment Facility Upgrades](#)
- [HUBER Multi-Rake Bar Screen RakeMax® CF: An innovative screen system convinces in practice](#)
- [HUBER combines proven RakeMax® with center flow screen](#)
- [Multi-Rake Bar Screen 2.0: the HUBER RakeMax® CF, an all-rounder with powerful hydraulics](#)

Design Sketch



Media



Animation: HUBER Multi-Rake Bar
Screen RakeMax® CF

[https://www.youtube.com/watch?
v=zcSwGcZdhak](https://www.youtube.com/watch?v=zcSwGcZdhak)

More products of this group: Perforated Plate and Bar Screens

- HUBER Belt Screen EscaMax®
- HUBER Multi-Rake Bar Screen RakeMax®
- HUBER Multi-Rake Bar Screen RakeMax® HF (high flow)
- HUBER Band Screen CenterMax®
- HUBER Coarse Screen TrashMax®
- HUBER Grab Screen TrashLift

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