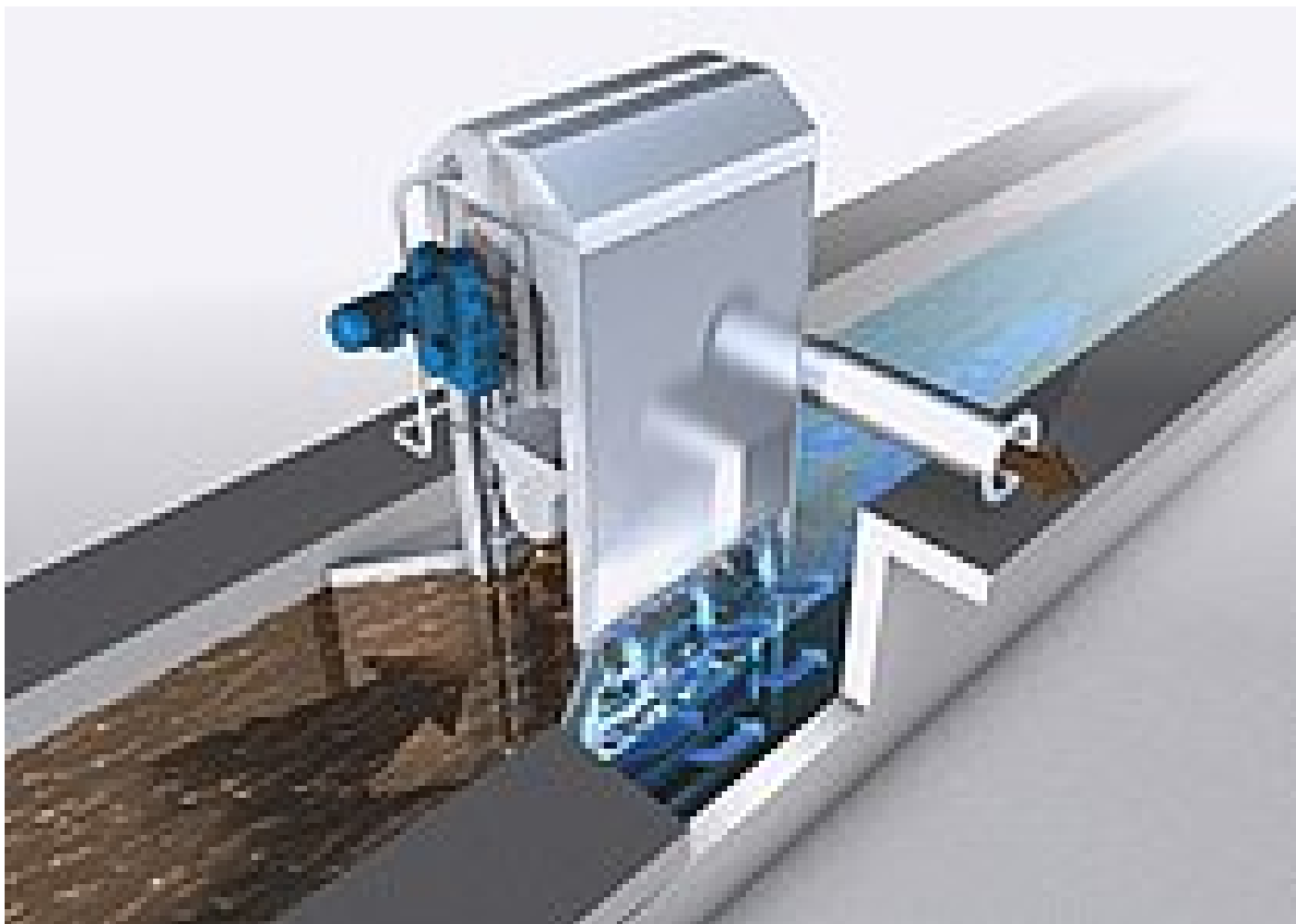


[Home](#) ■ [Products](#) ■ [Screens and Fine Screens](#) ■ [Perforated Plate and Bar Screens](#) ■ [HUBER Band Screen CenterMax®](#)

HUBER Band Screen CenterMax®



Maximum separation efficiency through reliable screening

- Maximum retention of fibres and hair
- Operating reliability for membrane bioreactors
- Especially for narrow channels and high throughputs
- High separation efficiency

The HUBER Band Screen CenterMax® is available in different designs and suitable for numerous applications of solids-liquid separation.

The screen can be equipped with a mesh, perforated plate or a folded perforated plate (Star design), according to the specific application requirements.

Whilst the wastewater flows into the open front side of the screen and out through the screening elements on the left and right side (viewed in flow direction), solids are retained on the inner surface of the screening elements leading to gradual blinding of the surface, which has an impact on the level difference in the channel. Cleaning of the filter elements starts at a defined water level in the channel upstream of the screen. The filter elements start to circulate, thus transporting the screenings upwards and out of the channel.

In the upper part of the screen a spray nozzle bar sprays water onto the surface of the filter element from outside to remove the solids from the surface and flush them into an internal trough installed in the upper part of the screen from where the screenings are discharged by gravity. The screenings are usually treated further in a [HUBER Wash Press WAP®](#).

Model variations

CenterMax® pp - perforated plate screen

HUBER Band Screen CenterMax® with perforated plate, perforations from 1 to 10 mm.
High separation efficiency and retention of fibres and hair.

Typical applications for 1 and 2 mm perforation:

- Protection of hollow-fibre membrane filtration plants

Typical applications for 3 mm perforation:

- Protection of plate membrane filtration plants

CenterMax® Star - folded perforated plate screen

HUBER Band Screen CenterMax® with folded perforated plate, perforations 1 / 1.5 / 2 mm.
Increased screen surface for higher throughputs.
High separation efficiency and retention of fibres and hair.

Typical applications:

- Protection of membrane filtration plants

CenterMax® mesh - square mesh screen

HUBER Band Screen CenterMax® with mesh, mesh sizes from 0.2 up to 0.75 mm.
Maximum separation efficiency and reduction of COD and BOD by 20 – 40%.

Typical applications:

- Load reduction in the preliminary treatment stage
- Replacement for primary settlement tank
- River and sea outfall applications

Benefits

- High throughput capacity – maximum separation efficiency
- Also suitable for narrow channels
- Economically dimensioned channel and machine
- Low life-cycle costs
- Easy maintenance and operation
- Maximum corrosion protection through stainless steel design and acid treatment in a pickling bath

Applications

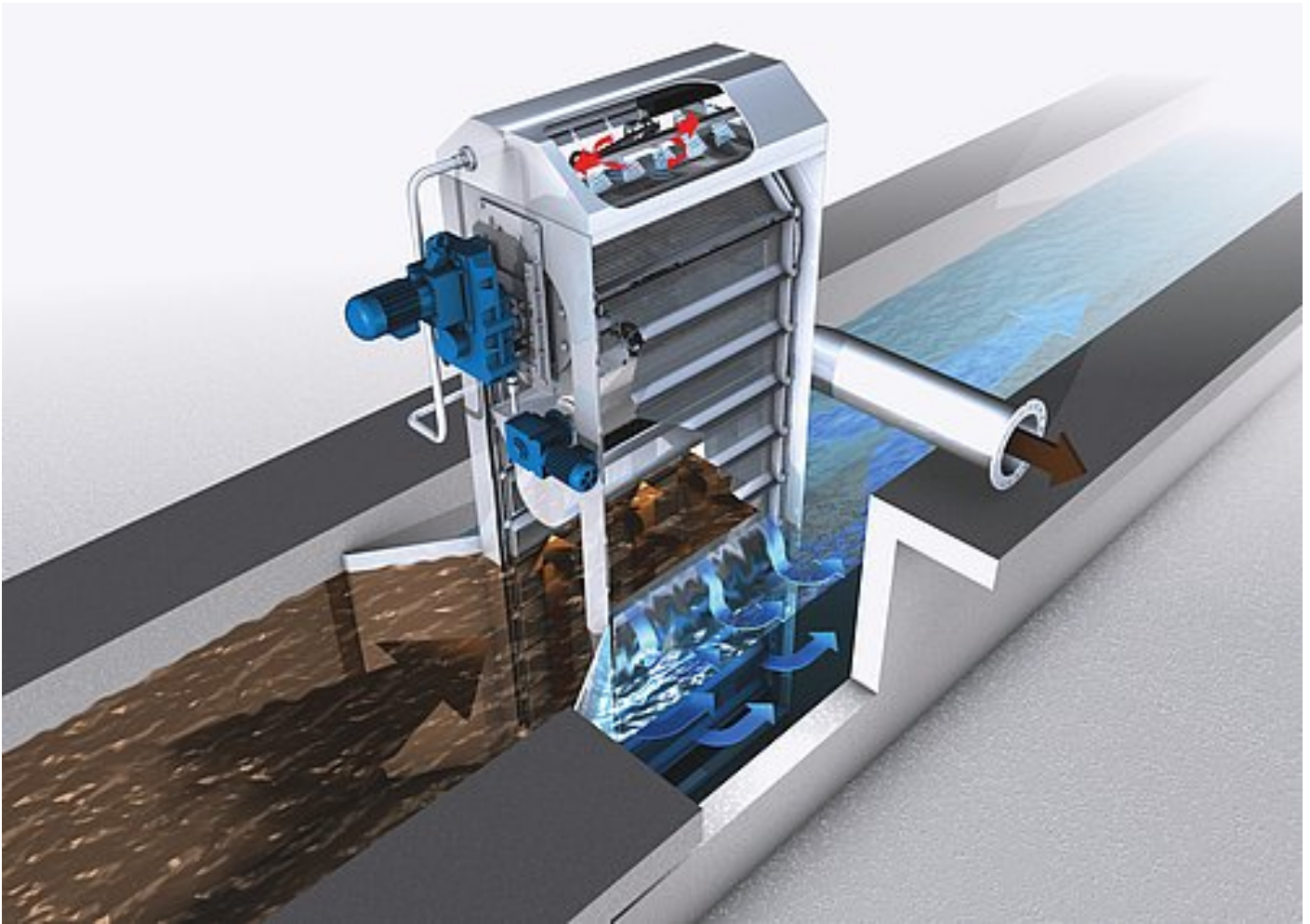
- Industrial and municipal applications
- Primary and secondary treatment stage
- Protection of membrane plants
- Screening in the inlet to power plants
- Treatment of cooling water circuits
- Ultra-fine screen for the reduction of COD / AFS in existing plants (load reduction in the bio-system)
- Surface and river water screening

Case Studies

- [HUBER expands activities in the field of water extraction: clean water through innovative system solutions for seawater and river water extraction](#)

Downloads

Design Sketch

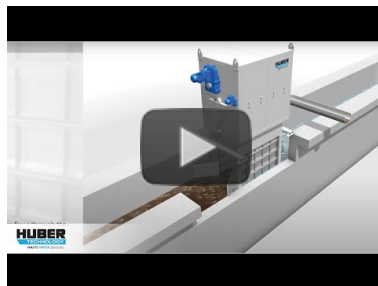


Video



Animation: HUBER Band Screen CenterMax® pp

<https://www.youtube.com/watch?v=NXErUdOr39A>



Animation: HUBER Band Screen CenterMax® Star

<https://www.youtube.com/watch?v=CmYrQ83e9NM>

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 Multi-Rake Bar Screen RakeMax® CF](#)
- [HUBER Coarse Screen TrashMax®](#)
- [HUBER Grab Screen TrashLift](#)

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