

HUBER CenterMax®- Hybrid

Center Flow - Perforated Band Screen



Maximum separation efficiency through reliable screening

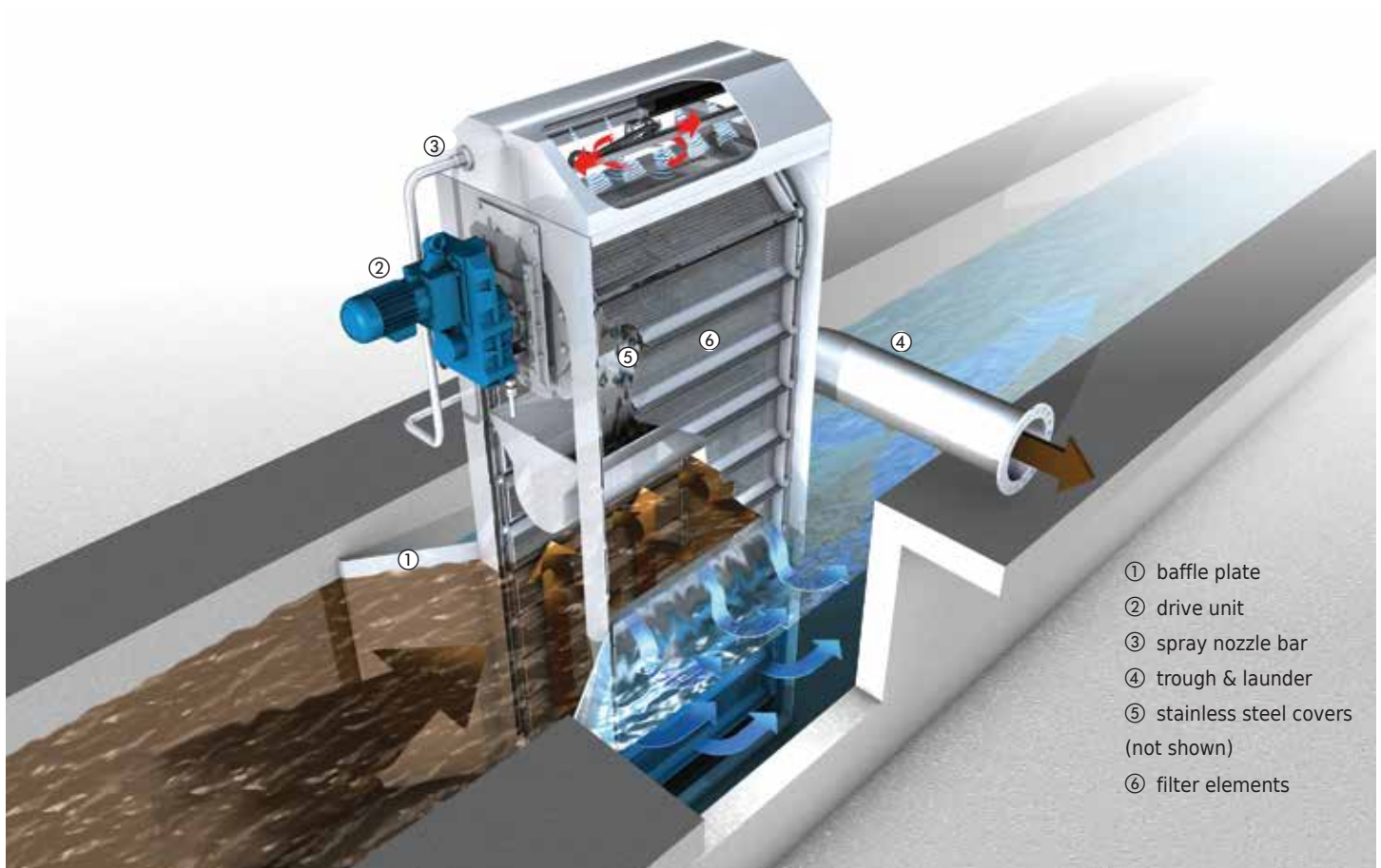
- High capture of fine particles including fibers and hair
- Ideal protection of sensitive processes including MBRs
- Especially for narrow channels and high throughputs

➤ The Situation

Today's treatment plants are challenged more than ever before. Advanced treatment processes that are employed today require the capture of even finer material and are subject to blinding faster. At the same time flows to plants are increasing and finding screenings solutions that fit into existing or smaller amounts of space is difficult. These challenges face both municipal and industrial plants.

➤ The Solution

The HUBER CenterMax® and CenterMax® Hybrid address these challenges. The screenings capture rate is unsurpassed. Screen offers a variety of screening elements and opening sizes tailored to meet the separation needs of the application. The superior inside out flow design allows for the most screenings surface area for any given channel. The vertical design allows for this solution to be employed in areas with limited floor space.



HUBER CenterMax® Hybrid

➤ Design and function

The baffle plates direct the wastewater flows into the center opening and out each side (as seen in flow direction above). Solids are retained on the inner surface of the screening elements leading to gradual blinding of the screen surface. This blinding results in the water level in the channel rising. Cleaning of the filter elements starts when a predetermined water surface level is met.

The drive unit rotates the filter elements carrying the screenings upwards and out of the channel. In the upper part of the screen a spray bar(s) and nozzles remove the solids from the surface of the screen elements and flush them into an internal trough. At this point the screens are discharge by gravity to be further processed. It is common to further wash and compact the screenings in a HUBER Wash Press WAP® (see separate brochure).

➤ CenterMax® Hybrid

HUBER Band Screen CenterMax® HYBRID with perforated plate, perforations from 2 mm and 6 mm.

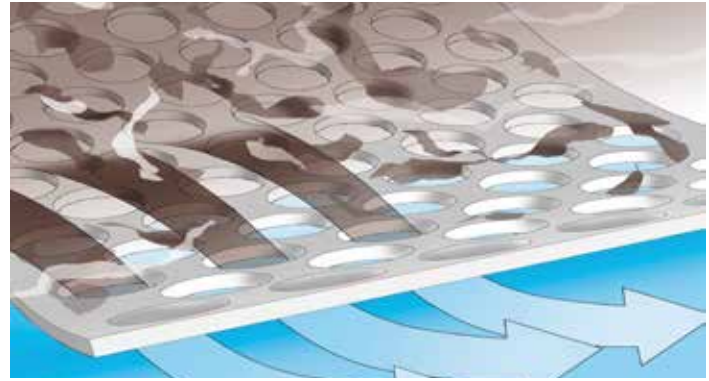
High separation efficiency and retention of fibers and hair.
Plastic elements reduce hair pinning

Typical applications for 2 mm perforation:

Protection for all membrane filtration plants

Typical applications for 6 mm perforation:

For any process requiring high capture and high throughput



Sturdy UHMWPE perforated panels for high separation efficiency and minimal fouling

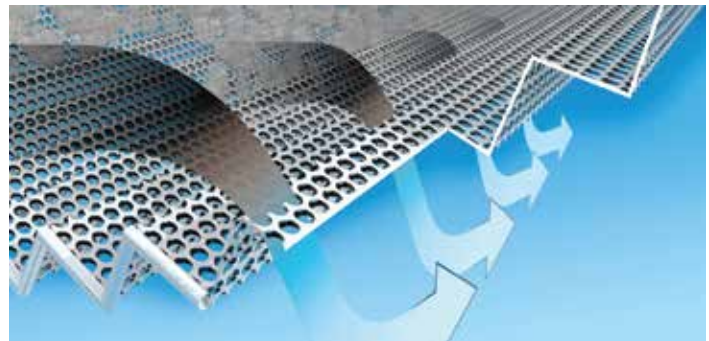
➤ CenterMax® Star

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 fibers and hair.

Typical applications:

Protection of membrane filtration plants



Stainless steel folded perforated plate "Star" with increased screen surface area

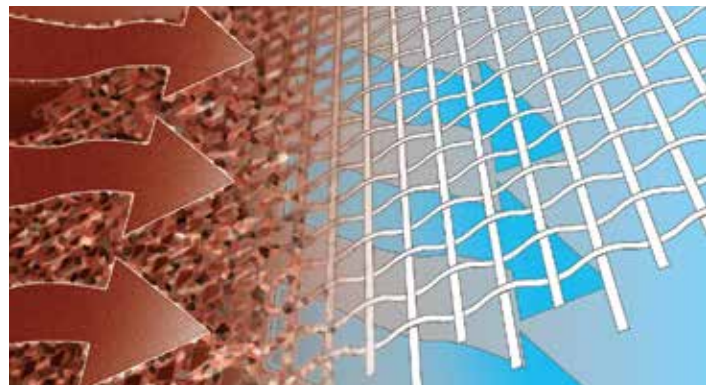
➤ CenterMax® Mesh

HUBER 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



Stainless steel mesh for maximum separation requirements



The "no pass" polyurethane sealing system ensures that no unscreened wastewater passes the screening elements.



Special tines ensure that coarse material is reliably carried along, thus ensuring the optimal transport and removal of screenings.



Depending on the specific conditions of the application, a brush can optionally be integrated for the preventive cleaning of the filter elements.



Unique automatic high pressure spray system ensures clean elements for the Star version

➤ The user's benefits

- High throughput capacity - maximum separation efficiency
- Suitable for narrow channels
- Superior sealing for maximum capture and no carryover
- UHMWPE elements prevent hair pinning and fouling
- Effective hydraulic design for high peak to low ADF flows
- Vertical installation reduces footprint
- Easy access to service points at grade level
- Superior corrosion protection offered by submerged acid passivation

➤ Technical data

- 4 sizes (chamber openings)
- Width of filter elements: 2 ft. to 6 ft.
- Maximum screen length: 32 ft. (longer lengths available on request)
- Perforated plate: 1-10 mm
- Star-type perforated plate: 1-2 mm
- Mesh: 0.5-1 mm
- Completely made of stainless steel 340L or 316LSS
- Hybrid polyethylene panels 2 mm and 6 mm

➤ HUBER Technology - U.S. Headquarters

Beginning production in 2020, HUBER Technology, Inc. operates a 205,000 sq. ft., state-of-the-art manufacturing facility in Denver, North Carolina, where it manufactures CenterMax® Hybrid products, as well as dewatering screw press systems, headworks screens, grit handling, septage receiving, tertiary filtration and equipment and drying of biosolids equipment for use in the water and wastewater industry. The company's commitment to utilizing stainless steel in the production process underscores its dedication to durability, corrosion resistance, and long-lasting performance, ensuring that the equipment meets the stringent requirements of industrial and municipal wastewater treatment applications.



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