

Design and construction

The Hubert vertical drum screens are designed with A-shaped spokes resulting in high rigidity and resistance to deformation. This produces an accurate fit against pit walls, enabling filtration of particles down to 2 mm.

All Hubert rotary drum screens are fitted with maintenance free slide (sea)water lubricated bearings. The same applies to the ring gear and drive pinion, which are made of a special wear resistant polyamide. Hubert drum screens are available for different flow patterns.

The water to be filtered flows through the drum panels. The dirt particles trapped on the mesh panel are washed from the screen into the debris collectors as the drum rotates.

Design with an A-shaped spoke

Hubert A-spoke design drum screens can be supplied with a fish recovery fitting that allows trapped fish to be removed in a gentle and effective way.

Advantages

- large flow capacities
- the A-spoke construction results in a light, stable and rigid structure
- reliable
- maintenance free
- long lifetime (30 years or more)
- resistant to abrasive water
- debris is removed at or above deck level, eliminating the need for a debris pump
- savings on spare parts
- (sea)water lubricated bearing
- spray water cleaning
- fish removal system

Standard dimensions

Drum width: up to 5 m.

Diameter: up to 20 m.

Mesh opening: 2/10 mm.

Specific dimensions or materials on request.

