

[Home](#) ■ [Products](#) ■ [Screens and Fine Screens](#) ■ [Ultra Fine Screens](#) ■ [HUBER Disc Filter RoDisc®](#)

HUBER Disc Filter RoDisc®



Micro screen with rotary mesh for reliable removal of fine suspended solids

- Large screen surface on a small footprint
- Very high filtrate quality
- Gravity system
- Maximum separation efficiency due to the defined separation provided by the square mesh
- Removal of activated sludge flocks after secondary clarification tanks
- Treatment of circulation water and service water
- Preliminary filtration in drinking water recovery
- Advanced phosphate reduction through preceding precipitation and flocculation

The HUBER Disc Filter RoDisc® has been designed for fine screening of up to 1,500 m³/h with a mesh size down as small as 10 µm. The screen is especially suited for applications where a very high filtrate quality and large filter surface area is required.

Due to its small space requirement and modular design the this rotary mesh screen can be tailored to suit any specific site requirements.

The HUBER Disc Filter RoDisc® is utilised for the separation of fine suspended material within municipal and industrial applications. The modular screen design allows for easy retrofitting of additional filter surface areas to meet the ever increasing throughput requirements. For example within municipal applications with preliminary screening and preceding biological treatment a throughput capacity of up to 1500 m³/h can be achieved with 20 filter discs.

This ultra fine screen works on the basis of the well-proven drum filter principle. The screen consists of horizontally arranged rotating

filter discs installed on a central shaft and are submerged by up to 60% with each filter disc consisting of individual stainless steel segments covered with a square mesh. The wastewater to be treated flows through the segments from inside to outside and the filtrate is discharged at the inlet end of the screen.

Benefits

THE USER'S BENEFITS

- Screening with a defined separation size
- provided by a square mesh
- Gravity system (no lifting of wastewater required)
- Low headloss, gravity filtration
- High hydraulic throughput capacity
- No external wash water supply required
- Effluent standards are reliably met.
- Reduced wastewater discharge charges
- Reduction of filterable solids, COD, BOD, phosphorus
- For installation within a stainless steel tank or in customer's concrete tank
- Compact, enclosed design
- Continuous operation principle

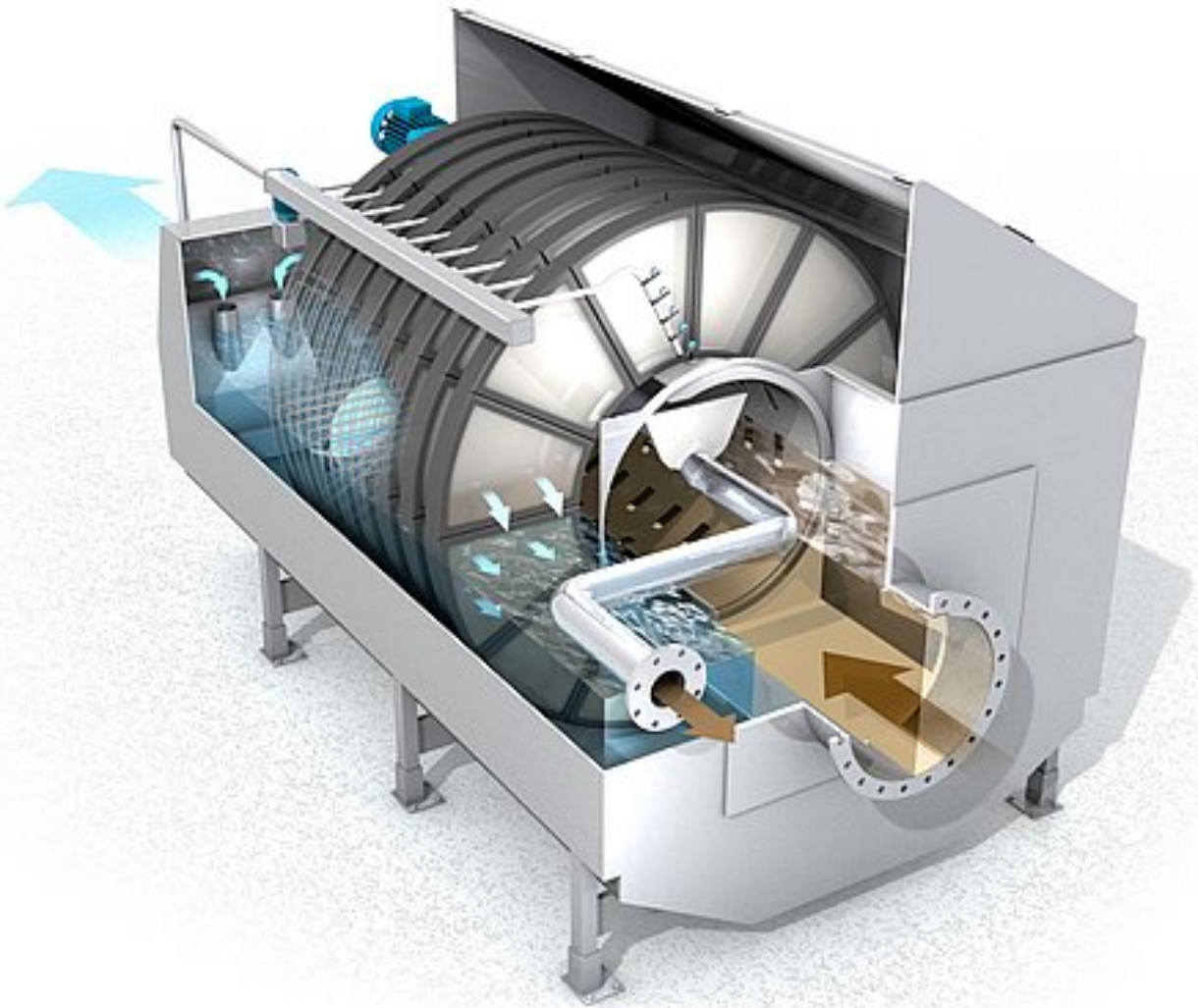
Downloads

 [Brochure: HUBER Disc Filter RoDisc®](#) [pdf, 359 KB]

Case Studies

- [Up to 50 million litres of drinking water per day: microfiltration at Constance waterworks modernised with three HUBER Disc Filter RoDisc®](#)
- [HUBER offers convincing key components for a tailor-made 4th treatment stage](#)
- [Technical road runoff treatment with HUBER Disc Filter RoDisc®](#)
- [Phosphorus reduction with the HUBER RoDisc® Rotary Mesh Screen](#)
- [RoDisc® Rotary Mesh Screen: an innovative low-cost alternative](#)
- [RoDisc® Rotary Mesh Screen for a drinking water application](#)
- [HUBER RoDisc® Rotary Mesh Screen ready for the future](#)
- [28 RoDisc® Rotary Mesh Screens to treat Asia Olympics wastewater](#)
- [Two RoDisc® 20 Microstrainers in Sharjah Permit Effluent Reuse for Irrigation](#)
- [Four RoDisc® Micro-Strainers for the Protection of Lake Taihu in China](#)
- [HUBER RoDisc® Micro Screen Sharjah Golf & Shooting Club in the UAE](#)

Design Sketch



Media



Animation: HUBER Disc Filter
RoDisc®
<https://www.youtube.com/watch?>



Video: HUBER Disc Filter RoDisc®
<https://www.youtube.com/watch?v=PemmdFxbUEs>

More products of this group: Ultra Fine Screens

- [HUBER Membrane Screen ROTAMAT® RoMem](#)
- [HUBER Drum Screen RoMesh®](#)
- [HUBER Drum Screen LIQUID](#)

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