



HUBER **Circular Grit Trap HRSF**

Grit and scum removal supported by rotational flow

- ▶ High grit separation efficiency through tangential wastewater inflow
- ▶ Optional with integrated grit classifying screw
- ▶ Compact, space-saving unit
- ▶ Stainless steel tank design

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Design and function

Separation of the grit particles in the HUBER Circular Grit Trap HRSF is supported by the rotational motion of the wastewater. The separation effect is generated by overlapping of the vertical downward motion and a developing centrifugal force acting on the individual grit particles. The inner tank surface serves as the separation area.

To increase the separation area, the HUBER Circular Grit Trap HRSF has an additional separation cone for a reliable maximum separation performance.

For improved separation of organics from grit, the option for air intake via an aeration system is provided. Organic components are kept floating and are discharged with the water flow above the separator cone.

The separated solids are removed from the plant either directly by means of an integrated classifying screw, or pumped into a grit classifier.

The layout of the HUBER Circular Grit Trap HRSF was made on the basis of numeric design engineering and tested and verified under practical conditions in collaboration with the German test institute LGA.



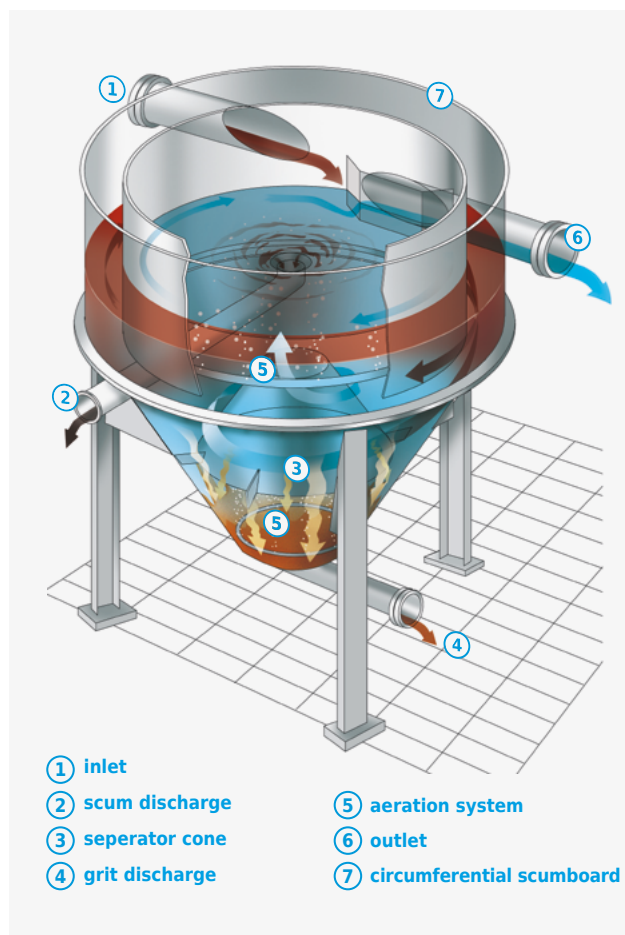
HUBER Circular Grit Trap HRSF with integrated classifying screw and subsequent HUBER Grit Washer RoSF4 T.

Applications

- ▶ Wastewater treatment plants
- ▶ Process water treatment
- ▶ Solids/liquid separation in general

The user's benefits

- ▶ Maximum separation efficiency due to additional separation area (separator cone)
- ▶ Throughput capacity up to 150 l/s (540 m³/h)
- ▶ Compact, space-saving unit
- ▶ Encapsulated, odour-free plant
- ▶ Completely made of stainless steel for high corrosion resistance
- ▶ Optional with integrated grit classifying screw
- ▶ Optional with scum separator and aeration



Flow diagram of a HUBER Circular Grit Trap HRSF.

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