

Grit Treatment System RoSF 5VR



Treatment of grit from wastewater treatment plants and sewer systems by means of a grate separator / grit washer

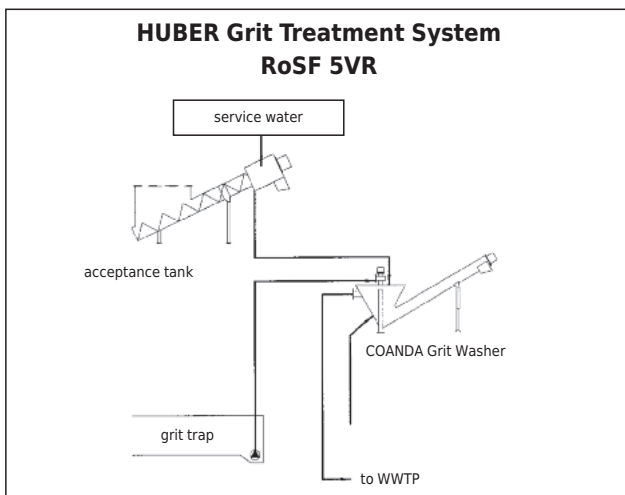
- Reduced disposal costs
- Loss on ignition of the grit/gravel fraction < 3%
- Coarse material separation size: 35 mm
- Only one drive unit

►► Design and function

The dewatered raw material (grit from the sewer system and STP) is fed into the intermediate storage tank directly from the tanker or by a wheel loader. A screw conveyor inside the tank transports and doses the untreated material into the subsequent grate separator where wash water is introduced to wash and simultaneously separate the coarse material. Any coarse material > 35 mm is separated from the grit and gravel, dewatered and discharged into a container. The grit/gravel/organics/water mixture < 35 mm is passed from the separator directly into the COANDA Grit Washer or grit trap inlet. Also the existing pump in the grit trap delivers grit into the COANDA Grit Washer where mineral particles are separated and washed to obtain the fractions of washed grit/gravel and coarse material.

►► The user's benefits

- Reduced disposal costs
- Reduction of organics in the grit/gravel fraction to < 3% loss on ignition
- Reduced disposal costs
- Maximum minerals yield due to 35 mm coarse material separation size
- > 95% capture rate of 0.20 – 0.25 mm diameter grit particles
- Low investment costs



Flow diagram of the HUBER Grit Treatment System RoSF 5 VR



Installation example: grate separator installed on top of the COANDA Grit Washer



Washing and separating grate with spray bar

HUBER SE

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