

HUBER Grit Treatment System RoSF 5HP



Treatment of grit from wastewater treatment plants
and sewer systems

- Loss on ignition of the grit/gravel fraction < 3%
- Coarse material separation size of 35 mm
- Massive vibrating grate
- Reduced disposal costs



►► Design and function

The sewer cleaning truck tips the full load (grit from the sewer system and STP) into the underground storage tank. The solid and easy-to-clean vibrating grate covers the tank and retains the coarse material < 35 mm which is then manually discharged into a sink trap.

A horizontal screw conveyor transports the raw material into a pump sump. Sufficient transport water (screened wastewater) is added to the raw material portions in the pump sump to create a pumpable mixture.

A level-controlled submersible pump delivers the grit/organics/water mixture from the pump sump into the COANDA Grit Washing Plant.

Also the existing pump in the grit trap conveys grit into the Grit Washing Plant where mineral particles are separated and washed to obtain fractions of washed grit/gravel and coarse material.

►► The user's benefits

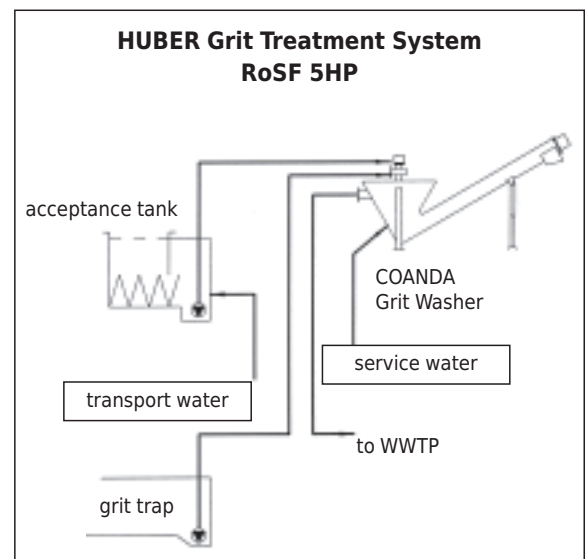
- With the COANDA Grit Washer as main component
- Reduction of organics in the grit/gravel fraction to < 3% loss on ignition
- Reduced disposal costs
- Maximum minerals yield
- > 95% capture rate of 0.20 – 0.25 mm diameter grit particles
- Coarse material separation size of 35 mm
- Massive, inclined vibrating grate with integrated bar rack
- Processing of the liquid and solid phase
- Made of stainless steel for corrosion resistance
- Up to 50 m distance possible between the tank and Grit Washer



Long distances between the tank and Grit Washer are no problem.



Tanker vehicle discharging onto the vibrating grate



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Subject to technical modification

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