

HUBER

Grit Washer RoSF4 T

Grit Washer for treatment of partly dewatered grit from wastewater treatment plants

- ▶ Reduced disposal costs
- ▶ Less than 3% organic content
- ▶ Very high solids content of > 90%
- ▶ Easy to retrofit after existing grit classifiers

More information,
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Design and function

Conventional grit separation

Conventional grit classifiers separate virtually all solids contained in the grit trap effluent. This classified and partly dewatered grit is usually more or less contaminated with organic particles.

Subsequent grit washing

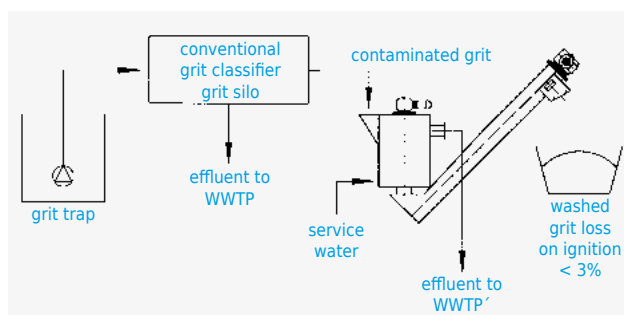
The classified grit is therefore further treated in the subsequent grit washer where the organics are separated from the mineral particles.

Due to a defined introduction of upwardly directed service water the grit situated in the lower part of the HUBER Grit Washer RoSF4 T will be fluidised in flow, i.e. a grit fluidised bed is generated. Within this fluidised bed the lighter organic particles are separated from the dense grit particles, independent of the particle size. This process is supported by the central stirrer keeping the particles in motion. After removal of the organic material the clean grit is removed through a classifying screw, statically dewatered and discharged into a container.

The removed organics are automatically discharged with the introduced wash water.

The user's benefits

- ▶ Reduced disposal costs
- ▶ Dewatering of washed grit to approx. 90% dry residue
- ▶ Organic content reduction to < 3% loss on ignition
- ▶ Throughput capacity up to 3.0 m³ solids per hour
- ▶ For easy installation subsequent to grit classifiers, complete plants, circular grit traps
- ▶ Grit removal screw supported on both ends for long life
- ▶ High corrosion protection
- ▶ Low investment costs



Flow diagram.



The HUBER Grit Washer RoSF4 T washes the classified grit from a HUBER Circular Grit Trap HRSF.



A small HUBER Grit Washer RoSF4 TC washing the classified grit from a HUBER Complete Plant ROTAMAT® Ro5.

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