Waste Water Treatment
GRITSEP® Grit Separators DS

Description
The GRITSEP® DS Grit Classifier consists of an inclined screw conveyor with a large volume hopper including an inlet spout and a water outlet spout, a shaftless screw housed in a trough, low-friction anti-wear bars, a trough cover, an outlet spout for solid particles, and a drive unit mounted at the outlet end.

Function
Water to be cleaned flows through the inlet spout of the GRITSEP® DS Grit Classifier into the decantation hopper where sedimentation of the solid particles is taking place. The low screw rotation speed improves sedimentation and sees to conveying and discharging of de-watered grit and sand through the upper outlet. Cleaned water exits through the lateral hopper discharge spout.

Application
Successfully installed for dewatering sand after a grit treatment process in municipal or industrial waste water treatment plants or industrial washing processes.

Benefits
- Absence of bearings;
- Low installation and maintenance costs;
- Shaftless heavy-duty screw ensuring durability;
- Low speed;
- Easily replaceable bolted wear bars.
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Technical Features / Performance
- Carbon steel hopper with special designed anti locking system
- Trough in 304L stainless steel equipped with low friction liner
- Shaftless screw made up from sections of heavy-duty, wear-resistant carbon steel
- Efficiency: 90% separation of sand with grain size as small as 200 µm
- Liquid throughput: 5 l/s to 36 l/s
- Solids output: 0.06 dm³/s (0.22 m³/h) to 0.36 dm³/s (1.3 m³/h)

Overall Dimensions

For reference only: for detailed drawings please contact the Manufacturer

Dimensions in mm