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HUBER Coanda Grit Classifier RoSF3



Grit separation and dewatering in one unit

- Utilisation of the COANDA effect ensures high grit removal efficiency
- Partly reduced organic content of the grit
- Completely made of stainless steel

The grit / water mixture flows either by means of a pump or by gravity into the vortex chamber where a rotary motion is induced. An automatic air intake takes place through the centrally located drilling hole on the vortex chamber.

The heart of the COANDA Grit Classifier is the inserted Coanda Tulip. The organically laden water flowing in from the top adheres to the tulip wall and is diverted to the horizontal below water surface by the Coanda-Effect. Reduced radial and tangential flows assist the separation process and the difference in density between organic and mineral material is partly taken into consideration.

The classifier screw transports the clean grit up an inclined plane where it is dewatered under gravity before discharge into a skip. The mineral residue from a plant operating under optimum conditions is in excess of 90% (e.g. a plant with appropriate pre-screening and grit collection facilities).

Benefits

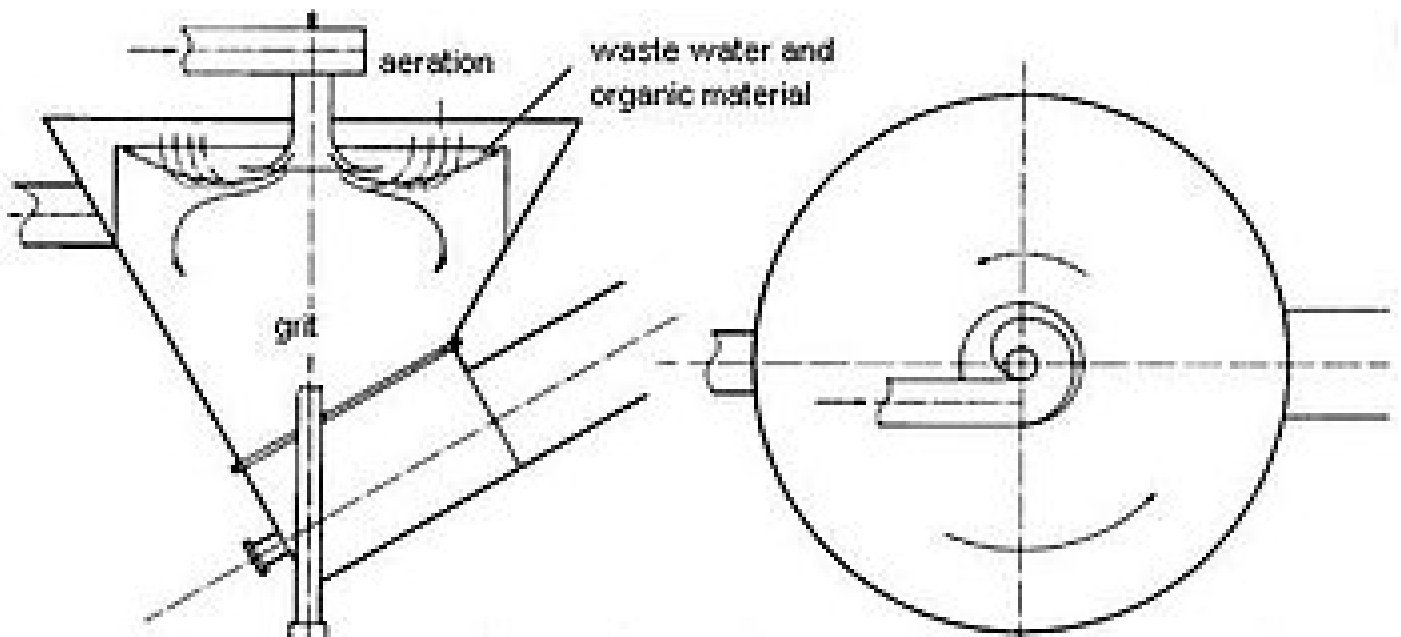
ADVANTAGES OF THE HUBER COANDA GRIT CLASSIFIER ROSF3

- High levels of grit separation of 95 % of grain size 0.20 - 0.25 mm
- Screw supported on both ends for minimised wear
- Grit separation and dewatering are in one single plant -> requires little space
- Regular flow through the tank and use of the Coanda effect result in high separation capacities (separation degree of 95 % of grain size 0,20 mm)
- Due to the automatic air injection inherent to the system organic matter remains in the the flow and is discharged via the outlet
- Automatic grit discharge and simultaneous static dewatering
- An additional HUBER Grit Washer RoSF4 T (dry feed) can be added in order to reduce the loss on ignition of the grit
- Relieves sewage treatment plant staff
- Guarantees customer optimum benefit
- High corrosion resistance, high life expectancy, low maintenance
- Encapsulated, odour-free plant
- Option of frost-proof design

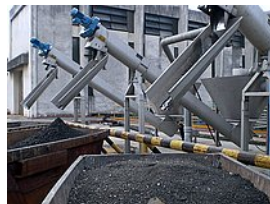
Downloads

 [Brochure: HUBER Coanda Grit Classifier RoSF3](#) [pdf, 173 KB]

Design Sketch



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