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## HUBER Coanda Clasificador de Arenas RoSF3



- Alta retención de arenas: 98 % de tamaño 0.20 mm
- Bajo contenido de orgánicos debido al aporte de aire
- Capacidad de tratamiento hasta 3 t/h
- Capacidad hidráulica hasta 25 l/s
- Tornillo con eje. Sin barras guía
- Fabricado en acero inoxidable, decapado en baño ácido

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).

## Ventajas

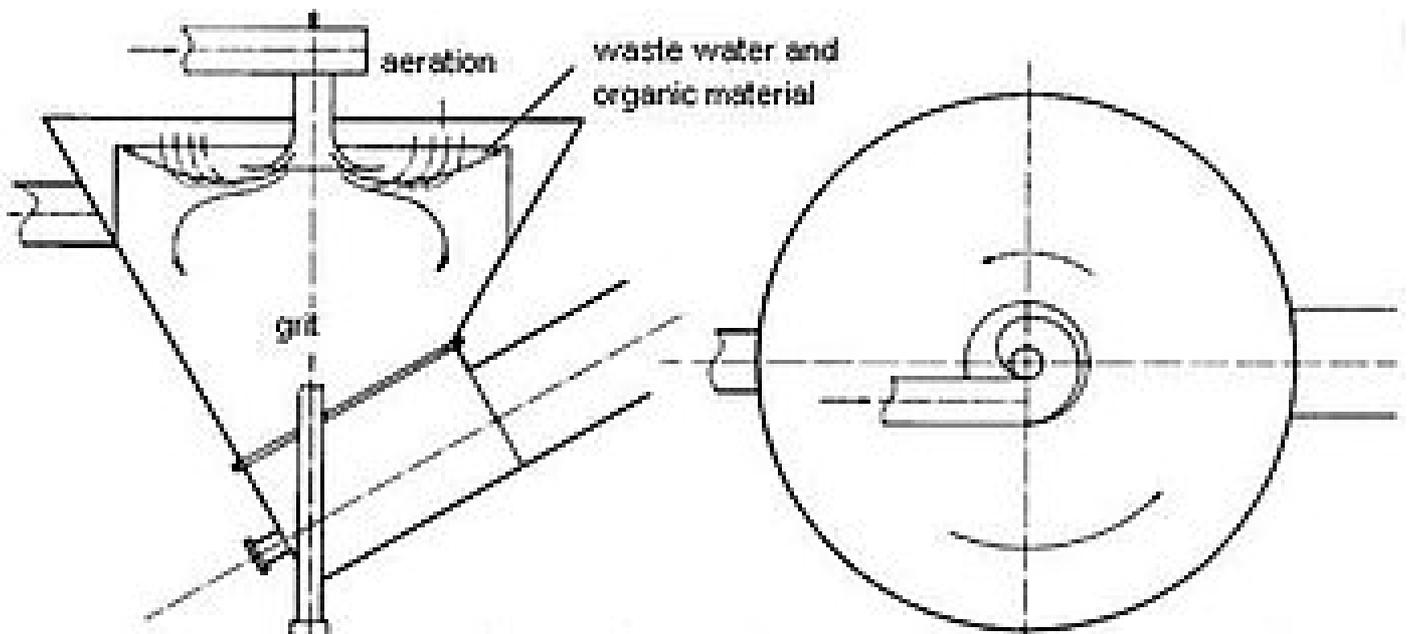
## ADVANTAGES OF THE HUBER COANDA GRIT CLASSIFIER ROSF3

- 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
- very high DS content in the grit discharged (abt. 90 %)
- automatic grit discharge and simultaneous static dewatering
- loss on ignition of the grit washed is guaranteed (< 3 %); reutilization or TASI dumping possible
- an additional Grit Washing Plant 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
- completely made of stainless steel -> corrosion-resistant, high life expectancy, low maintenance

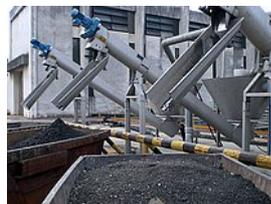
## Downloads

 Folleto: Clasificador de arena COANDA RoSF 3 [pdf, 279 KB]

## Design Sketch



## Photos



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