
QILTON



GRIT WASHER

SCREW CONVEYORS AND GRIT CLASSIFIERS

The design of the QUILTON grit washer involves two core components: the grit washing tank and the discharge screw. The process of classifying and washing grit requires a small amount of water and low inlet pressures. The grit washer provides a high performance with low maintenance costs, delivering top quality grit with a reduced organic material content.

The QUILTON grit classifier and washer has been designed mainly for the following purposes:

- ✓ **High performance in the decanting** of very fine particles of grit.
- ✓ Washing grit to **improve its offload quality**.

FEATURES AND STRUCTURE

The QUILTON grit washer may be upgraded to become a receiving station for sand from septic tanks. This involves mounting an input roughing station for the removal of solids and the subsequent washing and classifying of grit.

The option is available of mounting the grit washer on the desander's gantry and feeding it with the cleaning water provided by the desander itself.

The equipment's design and structural specifications make it suitable for outdoor operations, tolerating conditions of high humidity and low temperatures.

OPERATION

The mixture of grit and water is fed into the sand washer and classifier through the inlet flange on the washing tank. The grit precipitates in the tank more quickly, while the organic material remains in suspension longer. When the cleaning water is added, the sediment is separated from the remaining organic materials during the washing process. This washing process is enhanced by the use of a shaking device and upward currents. Finally, the grit is removed from the tank, dried, and offloaded via an screw.

ADVANTAGES OF THE GRIT CLASSIFIER-WASHER

- ✓ Robustly built. Material qualities: stainless steel (AISI 304, AISI 316, etc.).
- ✓ **Highly reliable.**
- ✓ Option of upgrading to a receiving station for sand from septic tanks.
- ✓ Range of sizes depending on flow rate.
- ✓ Excellent cost-performance ratio.
- ✓ Reduction of organic content to less than 3-5% of volatile solids.
- ✓ **Adaptability** to changing operating conditions.
- ✓ Standalone equipment.
- ✓ Very low maintenance costs.
- ✓ **Proven efficacy** both at home and abroad.

APPLICATIONS OF THE GRIT CLASSIFIER-WASHER

Solution for municipal plants:

- ✓ Pre-treatment of wastewaters and treatment of grit.
- ✓ Receiving station for grit from septic tanks.
- ✓ Compact installations.

Industrial uses:

- ✓ Meat, fish and shellfish processing.
- ✓ Abattoirs.
- ✓ Sugar industry.
- ✓ Fruit and vegetable processing.
- ✓ Breweries.
- ✓ Composting facilities.
- ✓ Machinery industry.
- ✓ Glass and ceramics transportation.



BILBAO

Head-office

Amezti 6
48991 Getxo - Spain

+34 944 910 166
quilton@quilton.com

BARCELONA

National delegation

Passeig Sant Joan 172
08037 Barcelona - Spain

+34 934 570 605
quilton.barcelona@quilton.com

ÁLAVA

Production plant

Pol. Ind. Goiain, Zabaldea 8
01170 Legutiano - Spain

+34 944 910 166
quilton@quilton.com

