GRIT TRAP TYPE GESMO

BIOGEST® | Debris retention systems



Selective retention and removal of debris and grit from channels

The BIOGEST® Grit Trap Type GESMO traps grit and debris from sewer networks in combined sewage, stormwater and rainwater systems. The aerated grit trap basket facilitates removal of accumulated solids, such as stones and pebbles, from the channel.

Functionality

Debris transported by the wastewater flow falls onto the bottom of the grit trap basket, where it is aerated and rotated. Depending on the amount of debris in the system, the basket is lifted using a fixed or mobile lifting device, emptied and returned to position in a short time.

The basket is positioned in a specially designed sump by means of lifting tackle. A rubber lip on the outer edge of the basket seals the clearance between basket and sump wall, and allows easy locating of the basket within the sump. An inlet plate reduces the residence time in the sump area and therefore minimises sedimentation of light materials.

The bottom of the basket has holes pressurised by air to ensure good aeration and recirculation of the debris. This keeps light substances and organic particles in suspension, so that they remain in the wastewater flow. Grit and debris remain in the basket, which is emptied periodically.

To empty the basket, uncouple the pressure hose and lift the basket completely out of the sump using a lifting mechanism. Empty it into a skip or directly into the waste vehicle. To open the grids, fold them by pulling the unlocking rod in the centre. The debris slides out from the retaining surfaces in the base. After emptying, swivel the grids back and return the basket to the sump. Once the pressure coupling is reattached, the grit trap is ready for use.

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Advantages

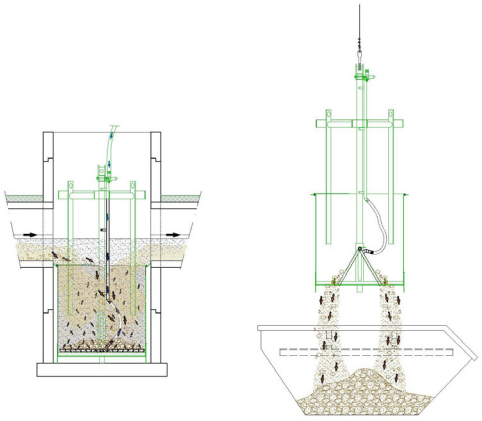
- Easy collection and removal of grit and debris
- Fast emptying of the grit trap during running operation
- No technical installations in the grit trap chamber required
- Simple, low-cost installation
- Low maintenance
- Compact and robust design in stainless steel
- Available without aeration



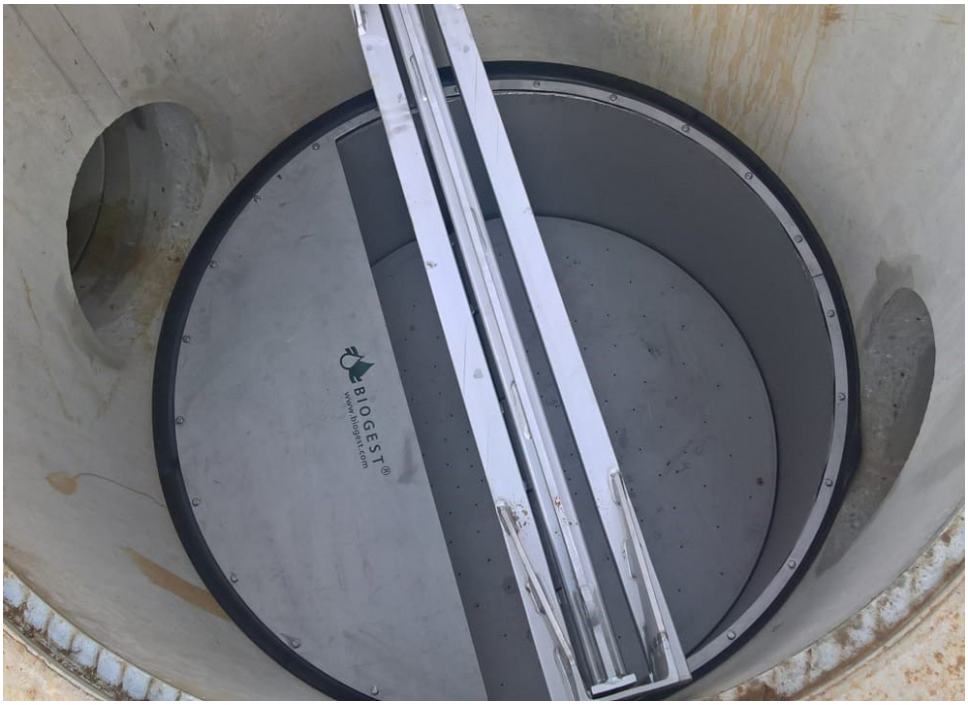
Design variants

The grit trap Type GESMO is offered in different design variants, sizes and forms, rectangular and circular.

1	Foldable bottom, with or without aeration
2	Without foldable bottom, with or without aeration
3	No basket, fixed aerated bottom with aeration







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