

Debris retention system BIOGEST®



Grit Trap Type GESMO

The BIOGEST® Grit Trap type GESMO allows to trap grit and debris from sewer networks in combined sewage storm water and rain water systems. The aerated grit trap basket firstly facilitates removal of accumulated organic substances (e.g. stones, pebble or more) from the channel.

- Selective retention and removal of debris and grit from channels -

Functionality

The BIOGEST® Grit Trap type GESMO allows to trap grit and debris from sewer networks in combined sewage storm water and rain water systems. The aerated grit trap basket firstly facilitates removal of accumulated organic substances (e.g. stones, pebble or more) from the channel. Debris transported by the waste water flow falls onto the bottom in the grit trap basket and will be aerated and rotated. Dependent on the amount of debris within the system, the grit basket is lifted using a fixed or mobile lifting device, emptied and returned into position in a short time period.

The grit trap basket is positioned in a specially designed sump by means of lifting tackle. A rubber lip is attached to the outer edge of the trapping basket to seal the clearance between the basket and the sump wall. At the same time, this lip allows easy locating of the trapping basket within the sump. An inlet plate reduces the residence time in the sump area and therefore minimises the sedimentation of light materials.

The bottom of the basket is provided with holes that are pressurized 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 waste water flow. Grit and debris will remain in the basket that will be emptied periodically.

To empty the trap basket, uncouple the pressure hose and lift the basket out of the sump completely, using a lifting mechanism. Grit and debris will remain in the basket.

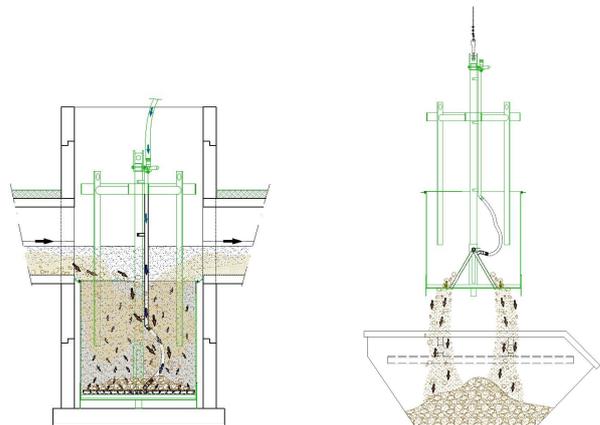


Empty the basket into a dumpster or sip or alternatively directly into the waste vehicle. To open the grids, fold them by pulling the unlocking rod in the centre. The debris will slide out from the retaining surfaces in the base. After emptying the basket, swivel the grids back and return the basket back into the sump. After reattaching the pair pressure coupling the grit trap is ready for use.

Design variants

We offer the grit trap type GESMO in different design variants, sizes and forms (rectangular and circular).

1. GESMO with foldable bottom, with or without aeration
2. GESMO without foldable bottom, with or without aeration
3. GESMO (no basket) with fixed aerated bottom with aeration



The 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