BIOGEST®
Stormwater Solutions

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CLEARLY WASTEWATER

GESMO - Grit Trap

Key Features & Benefits:

- Removal of grit from sewers.
- Can be used for both foul and SW systems.
- Protection of downstream treatment works.
- Air feed liberates organic material for passing forward.
- Fast emptying of collected debris during operation.

How We Create Value:

- Collection basket is easily lifted out to empty.
- Stainless steel fabrication of the collection basket.
- Pre-fabricated chambers can be utilised to speed construction.
- Low cost installation / operation.
- Available without aeration for surface water applications.

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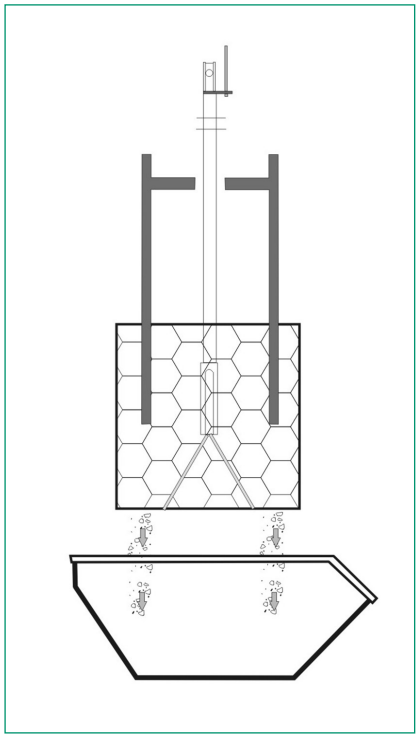
The option of circular or square basket can be provided and sizes up to 2 m dia (sq) can be supplied.

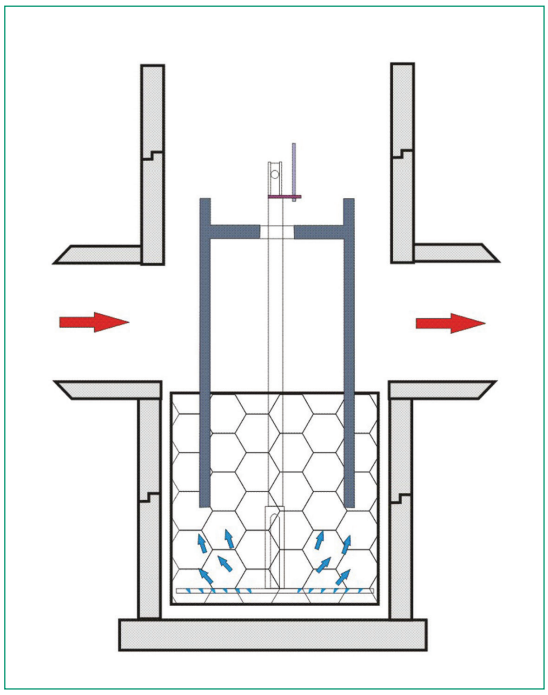
The GESMO grit trap permits the settlement of heavy stones and grits. Organic materials are suspended to enable them to be passed forward to treatment by the utilisation of an air feed in the base of the basket.

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.



Installation and commissioning in the sewer can be achieved quickly by interrupting the flow briefly whilst the sump is emptied. Thereafter the grit trap basket is lowered in the sump, connected and is ready for service.

To empty the trap basket, uncouple the pressure hose and lift the basket out of the sump using a lifting mechanism. Grit and debris will remain in the basket. The residual water will drain out through the bottom of the trap basket. Empty the basket into a skip or alternatively directly into the waste vehicle. To open the floor grids, pull the unlocking rod in the centre to permit the floor to fold. After emptying the basket, swivel the basket back into the sump, reattaching the pressure coupling. The grit trap is now ready for use again.



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