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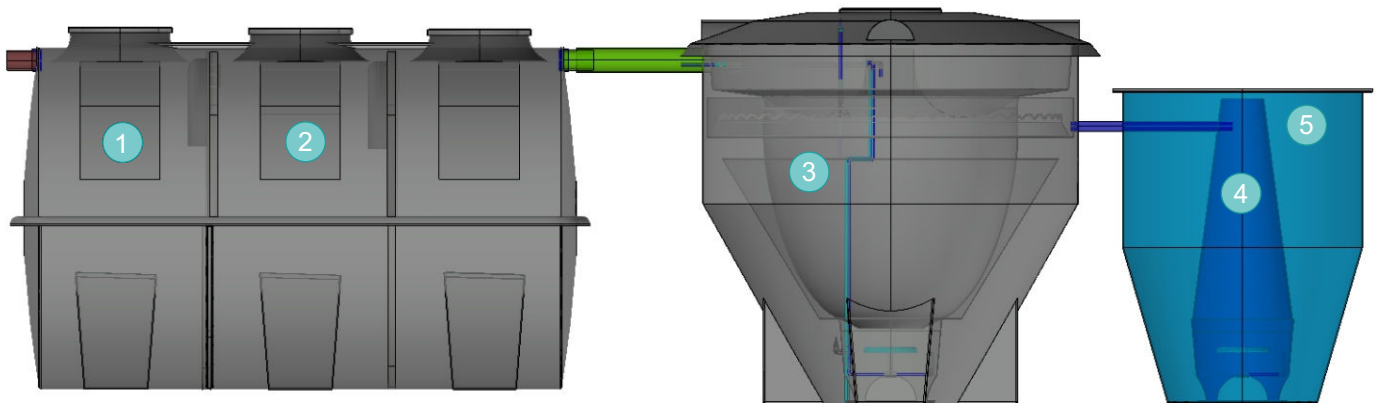
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General Standards Overview

Innovative Simplicity in Wastewater treatment:

To efficiently transform wastewater into safe non potable water for re use like flushing toilets , garden irrigation, hard surface cleaning, dust suppression or safe environmental discharge.



Designed, Developed and Manufactured in Africa for Africa

How it works:

- 1 **Primary Settlement Pre- Digester Chamber:**
 - Raw domestic sewage enters, heavier organic materials settle at the bottom. This settled material then undergoes anaerobic digestion.
 - The separation process causes the fats, oils and lighter materials to rise creating a relatively cleaner solid free effluent that flows through a baffle into the secondary chamber
- 2 **Secondary Settlement Anoxic Chamber:**
 - With extended retention time and controlled introduction of aerobic bacteria allows for finer solids separation and creates an anoxic pre-treatment zone.
- 3 **Fluidized Rotational Bio Reactor (FRBR): Patented**
 - With the use of a low energy air pump and micro bubble diffuser to create ideal aerobic conditions using dynamic rotational fluid movement. The patented no clogging media supports a self cleaning cycle, providing an optimal environment for aerobic bacteria to thrive and consume organic compounds.
- 4 **Final Disinfection**
 - The treated effluent enters the ozone contact chamber eliminating harmful micro pathogenic bacteria, making it safe for re-use. Ozone is preferred for disinfection as it leaves no harmful residues. Though other methods are available on request.
- 5 **Reuse of processed water**
 - Processed effluent can be automatically pumped into a storage tank for re-use or further processing based on individual needs.

KyBo
scalable solution from
4 to 1500 people



Phoenix
Water

Make the most of your WasteWater

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