

The BIO-SEPARATOR TOILET SYSTEM

What is the technology?

A smart system that treats sewage and makes it cleaner and safer.

How it cleans sewage?

Uses natural steps to break down and clean sewage.

Has layers that absorb and filter dirty parts out of the water.

Making water safer

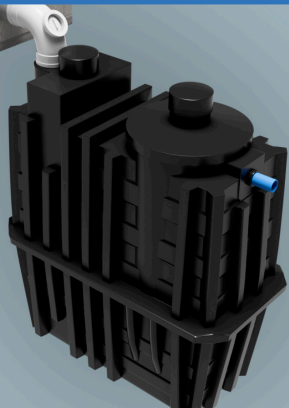
Removes harmful stuff like chemicals and germs, making water safer for the environment.

Special filters take out bacteria and other harmful particles.

Protecting our ground water

Helps prevent sewage from leaking into the ground, especially in areas with a lot of underground water.

Uses natural helpers (enzymes) to cut down on leftover waste, making it easier to keep the system working well.



How THE TECHNOLOGY WORKS

It uses *Exo-Enzymes* to remediate sludge and organic matter

What do Bacteria do?

Bacteria help break down and "digest" waste.

How do they do it?

Bacteria don't have mouths, they can only absorb tiny bits of food through their cell walls. Large pieces of waste are too big for bacteria to take in directly.

The role of Exo-Enzymes

Exo-Enzymes are introduced into the system to break down big chunks of waste into smaller pieces.

This makes it easier for bacteria to absorb and digest the waste.



The INSTALLATION PROCESS

- 1 Site identification
- 2 Excavation of Pits
- 3 Placement of Bio-Separator in Pit and Backfill
- 4 Construction of Soak-Away and pipework connection to Bio-Separator
- 5 Place Top Structure in Position
- 5 Connect the water supply to the rapid water system and anchor top structure

