

Flexigester Anaerobic Digestion System



The Flexigester kit is an anaerobic digestion system manufactured from flexible black butyl rubber which converts organic waste into biofertiliser and biogas. The Flexigester kit is available in a variety of sizes and contains the equipment you need to treat the waste and to collect and store the gas including a unique gas regulation system.



The Flexigester can use waste from the community to promote health, agriculture and employment. It helps to protect the environment, produces Biogas that can replace charcoal and wood as a fuel and captures plant nutrients so that they can be returned to the land to improve crop growth.

The Biogas produced by the Flexigester System is a smokeless fuel which does not cause smoke related respiratory issues. It helps to maintain a cleaner kitchen and reduces the time needed to cook meals. Treating waste in the Flexigester System prevents flies and vermin from living on the waste and thereby reduces the spread of disease.



The Flexigester can be attached directly to a pour-flush toilet, capturing all the sewage. Removing the waste from the vicinity of the latrine can help to keep the latrine free from odours and flies, and encourage the use of the latrine over open defecation.

Waste water from kitchens and latrines is often disposed of in pits, where it soaks away and is lost. The Flexigester System retains all the water added to it, allowing it to be reutilised on the land as liquid fertiliser. By using the Biogas produced by the Flexigester as an alternative fuel, the time and cost of collecting or buying wood, charcoal or kerosene can be saved.



The Flexigester System is manufactured in the UK, and distributed worldwide by Butyl Products Ltd. under license from Sustainable OneWorld Technologies C.I.C



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