

Flexi  
Digester



OVER  
10 YEARS  
LIFESPAN



ONLY  
ONE  
COW



Clean  
Green  
Energy

# Flexi DOMESTIC SYSTEMS

15 years of research and development for one of the most efficient biogas systems in the world.

## Why Flexi Biogas

- 01 Same day Installation**  
Our systems are prefabricated and install in a few hours.
- 02 Quick Startup**  
You can start using gas within 3-5 days after installation. Full production is realized within 7-14 days.
- 03 Uses any bio-degradable materials**  
Flexi systems run on any bio-degradable matter. High calorific feedstock produces more gas.
- 04 Unmatched efficiency**  
FlexiTech employs "True Cross-flow" fermentation to ensure that feedstock is fully digested.
- 05 Easy to upgrade**  
Easily upgrade to a larger model when you outgrow your energy needs.
- 06 Dedicated customer support**  
Our customer support is always available to answer your questions and queries.

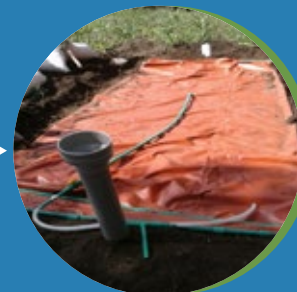
## Our Installation Process



1. Delivery



2. Site Preparation



3. Installation



4. Completion

# Frequently asked Questions

## 1. Can biogas be used for lighting?

Yes, it can but it is inefficient to use mantle lamps. For that we recommend you use the gas to run our Bio DC generator. This will simultaneously charge automotive batteries which in turn will power lights, radio, TV, charge phones etc.

## 2. How many cows do I need to maintain the system?

Dung from 1 cow is enough for the average 6-8-member homestead. All you need is 20 – 30 Kgs of cow dung per day.

## 3. Apart from cow dung, what else can I use to feed the digester?

Dung from pigs, sheep, goats, rabbits, chicken droppings or any organic waste, including kitchen waste, water hyacinth, weeds and market waste etc.

## 4. How frequently do I need to feed the digester?

For continuous production of gas, you need to feed the system regularly depending on gas usage and what you feed in. It is therefore best for you to keep to a regular routine of once a day or twice a week.

## 5. What will happen if I don't use the gas on a regular basis?

Un-used gas will accumulate in the digester. However, if un-used for a long time, the slurry will be ejected from the outlet.

## 6. How do I empty the system when it is full?

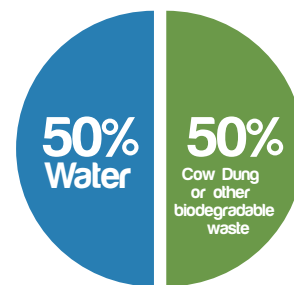
The system utilizes cross-flow technology making it maintenance free. Fully digested bio-slurry will be automatically ejected from the outlet.

## 7. Does the waste smell and what do I do with it?

The waste (bio-slurry) ejected has no smell. It is in fact a very nutritious organic fertilizer for crops that has been completely broken down ready for absorption by plants.

## 8. How durable is the system?

Exposed to the elements, the fabric is manufactured to last over ten years. The micro green-house tunnel further shields the digester from direct sunlight and helps maintain high temperatures to increase efficiency of biogas production. The lifespan can be further enhanced by applying UV sun-screen every 5-7 years.



**Mixing Ratio**  
Mixing ratio when feeding the digester



**To view working models of the system, visit our Eco-Resource Center in Karen Ngong Road, Mwitu Close No 33**

## Available Models

Model	Persons	Capacity (M <sup>3</sup> )	Price (Ksh.)
Standard Model	8 - 10	6	70,000
X- Large Model	18	9	85,000

Pricing inclusive of: Digester Kit , upto 20m of Piping + Fittings, Twin burner stove, Delivery and installation anywhere within 400 km from Nairobi, Kenya

## Talk to us on

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