



Product portfolio





We are HomeBiogas

HomeBiogas is a world leader in developing ground-breaking, easy-to-use biogas systems, enabling people and businesses to turn their organic waste into clean energy on-site.

By turning organic waste into cooking gas and Bio-fertilizer, HomeBiogas systems offer a comprehensive solution for organic waste management, renewable energy creation, sanitation, and sustainable agriculture practices.

HomeBiogas 2

HomeBiogas 2 is a compact bio-digester that converts kitchen waste into cooking gas and Bio-fertilizer on-site.

✓ **Best fit:** Households with a backyard.



Output:	Cooking gas: up to 2 hours of daily cooking gas	Bio-fertilizer: up to 8L of daily quality liquid Bio-fertilizer
Input:	Max daily kitchen waste: 4L	
Technical specifications:	System volume: 2.0M ³	Maximum distance between system and stove: 20 meters
	System's dimensions assembled: 210cm (L) × 115cm (W) × 125cm (H)	Shipping boxes dimensions and weights: Box A: 9.5kg, 80cm (L) × 40cm (W) × 23cm (H) Box B: 9kg, 80cm (L) × 40cm (W) × 32cm (H)

Each package includes:



Stove



Gas pipe



Inlet sink



Gas filter



Combined Bio-fertilizer & gas outlet



Assembly guide

Unique features:



Easy to transport, (18.5Kg total)



Safety features include filter, sealed tanks & automatic gas release mechanism



Simple assembly in up to 2 hours



Durable, high quality with a lifespan of 10+ years



HomeBiogas 2 – 2 years warranty

Biogas Stove – 1 year warranty

HomeBiogas 4

HomeBiogas 4 is a compact bio-digester that converts kitchen waste into clean cooking gas and liquid Bio-fertilizer on-site.

✓ **Best fit:** Larger households, community gardens & hospitality accommodation e.g.: Glamping, Yurts, Eco-lodges.



Output:	Cooking gas: up to 4 hours of daily cooking gas	Bio-fertilizer: up to 16L of daily quality liquid Bio-fertilizer
Input:	Max daily kitchen waste: 8L	
Technical specifications:	System volume: 3.6M ³	Maximum distance between system and stove: 20 meters
	Nominal gas pressure: 10 mbar	
	Shipping boxes dimensions and weights: Box A: 15.5kg, 100cm (L) × 40cm (W) × 30cm (H) Box B: 12.5kg, 100cm (L) × 40cm (W) × 32cm (H)	
	System's dimensions assembled: 300cm (L) × 145cm (W) × 140cm (H)	

Each package includes:



Double Stove



Gas pipe



Inlet sink



Gas filter



Combined Bio-fertilizer & gas outlet



Assembly guide

Unique features:



Easy to transport, (28Kg total)



Safety features include filter, sealed tanks & automatic gas release mechanism



Simple assembly in up to 3 hours



Durable, high quality with a lifespan of 10+ years



HomeBiogas 4 - 2 years warranty

Biogas Stove - 1 year warranty

HomeBiogas 6

HomeBiogas 6 is a compact bio-digester that converts kitchen waste and animal manure into clean cooking gas and liquid Bio-fertilizer on-site.

✓ **Best fit:** Small-scale farms with livestock or small scale kitchen waste.



Output:	Cooking gas: up to 6 hours of daily cooking gas	Bio-fertilizer: up to 120L of daily quality liquid Bio-fertilizer	
	Input:	Max daily kitchen waste: 12L Mixed with 12L of water	Max daily animal manure: 40L Mixed with 80L of water
Technical specifications:	System volume: 5.6M ³	Maximum distance between system and stove: 20 meters	Nominal gas pressure: 10 mbar
	System's dimensions assembled: 400cm (L) × 180cm (W) × 150cm (H)		Shipping boxes dimensions and weights: Box A: 18.8kg, 100cm (L) × 40cm (W) × 40cm (H) Box B: 12.5kg, 100cm (L) × 40cm (W) × 32cm (H)

Each package includes:



Double Stove



Gas pipe



Inlet sink



Gas filter



Combined Bio-fertilizer & gas outlet



Assembly guide

Unique features:



Easy to transport, (31.3Kg total)



Safety features include filter, sealed tanks & automatic gas release mechanism



Simple assembly in up to 4 hours



Durable, high quality with a lifespan of 10+ years



HomeBiogas 6 – 2 years warranty

Biogas Stove – 1 year warranty

Farmers (HomeBiogas 8)

The **Farmers' system** is an affordable and innovative solution that converts livestock manure into clean cooking gas and liquid Bio-fertilizer.

✓ **Best fit:** farmers who have livestock and have a need for fertilizer.



Output:	Cooking gas: up to 8 hours of daily cooking gas	Bio-fertilizer: up to 195L of daily quality liquid Bio-fertilizer	
	Input: Max daily animal manure: 65L Mixed with 130L of water		
Technical specifications:	System volume: 7.6M ³	Maximum distance between system and stove: 30 meters	Nominal gas pressure: 12 mbar
	System's dimensions assembled: 680cm (L) × 200cm (W) × 80cm (H)		Shipping boxes dimensions and weights: Box A: 15kg, 100cm (L) × 40cm (W) × 25cm (H) Box B: 16.5kg, 100cm (L) × 40cm (W) × 40cm (H)

Each package includes:



Double Stove



Gas pipe



Gas filter



Sweep connector



Assembly guide

Unique features:



Easy to transport, (31.5Kg total)



Safety features include filters, sealed tanks & automatic gas release mechanism



Simple assembly in up to 4 hours



Durable, high quality with a lifespan of 10+ years



HomeBiogas 8 – 2 years warranty

Biogas Stove – 1 year warranty

HomeBiogas Bio-toilet kit

The **HomeBiogas Bio-toilet kit** is a sustainable & sanitary solution that transforms human waste into free cooking gas & effluent. This innovative kit comes in various sizes depending on the number of users.


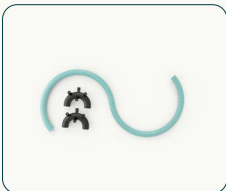





✓ **Best fit:** Anyone who wants to create a modern, sanitary, & sustainable bathroom experience.






Input:	HomeBiogas 2: up to 25 daily uses Ideal for 4 people	HomeBiogas 4: up to 50 daily uses Ideal for 8 people	HomeBiogas 6: up to 75 daily uses Ideal for 12 people
	System volume: Varies according to system type.		Nominal gas pressure: 10 mbar
Technical specifications:	Maximum distance between system and stove: 20 meters	Shipping boxes dimensions and weights: Box A & Box B: varies according to system type. Please check the system dimensions Bio-toilet Box: 17Kg, 52cm (L) × 53cm (W) × 43cm (H)	
			System's dimensions assembled: Varies according to system type

Each package includes:

Unique features:

		
HomeBiogas system	Waste pipe + 2 vented loops	Toilet bowl & assembly pump
		
Gas pipe	Gas filter	Single or double burner
		
		Instruction sticker

-  Save water with every flush!
-  Off-grid and eco-friendly
-  Safe, hassle-free and odorless

 **Biogas Stove** – 1 year warranty | **HomeBiogas 2** – 2 years warranty | **Bio-toilet** – 2 year warranty

Additional Products



Carbon gas filter

- Removes H₂S gases
- Removes unpleasant odors
- Prevents rust on the stove



Single counter top stove

- Single stove for HomeBiogas 2
- 7 heads burner
- Made to operate with biogas



Double counter top stove

- Double stove for HomeBiogas systems 4,6 & Farmers
- Two 7-heads burners
- Made to operate with biogas



Biogas water heater

- Converts biogas into hot water
- Includes necessary connectors and batteries
- Works with all HomeBiogas systems



Probiotics

- Enhance your system by introducing beneficial bacteria that strengthen its function and restore balance
- Improve the quality of your Bio-fertilizer
- Boosts biogas production



Macro plant

- A complementary component for efficient plant nutrition
- Provides the essential bacteria to fixate and assimilate NPK
- Creates optimal conditions that enable the uptake of primary nutrients



PH test kit

- Tests the digester's acidity levels
- Valuable tool for maintaining a healthy digester
- Includes a syringe, a PH indicator and test tubes

Technical Specifications



HomeBiogas 2

HomeBiogas 4

HomeBiogas 6

Farmers (HomeBiogas 8)

Gas tank volume (L)	500	1,100	1,700	2,500
Digester tank volume (L)	1,500	2,500	3,900	5,100
Dimensions assembled (CM)	210L×115W×125H	300L×145W×140H	400L×180W×150H	680L×200W
Maximum Daily cooking time (for a single burner flame** in hours)	2	4	6	8
Daily kitchen waste input (max L)	<p>Food waste + Water = 8</p>	<p>Food waste + Water = 16</p>	<p>Food waste + Water = 24</p>	NR
Daily animal manure input (max L)*	-	-	<p>Manure + Water + Water</p>	<p>Manure + Water + Water</p>
Daily fertilizer – Food waste (L)*	8	16	24	-
Daily fertilizer – Cow manure (L)*	-	-	120	195

* Please note that the actual quantities of Biogas and Bio-fertilizer produced by each HomeBiogas system may vary depending on factors such as feed quality, and temperature.

** The estimated cooking time listed in the spec sheet is based on an average flame intensity and may vary depending on the actual flame intensity used during cooking.

Changing people's lives all over the world



100+
Countries



30,000+
Systems sold

Trusted by:

The company has established humanitarian projects, partnerships and collaborations with the UN, governments, aid agencies, and humanitarian organizations, such as USAID, EU, International Red Cross (IRC), and World Wildlife Fund (WWF). The company holds international patents, international product liability insurance and is certified with the highest safety standards.



USAID



ICRC



**CLEAN
COOKING
ALLIANCE**



सत्यमेव जयते

HomeBiogas is an active partner in enabling a **ZERO WASTE** and Net Zero – GHG Emission world using its systems to convert organic waste into a resource.



Awards:

