

MyGug Micro The complete food waste solution



Figure 1: MyGug for Home showing: Gas Bag, MyGug and Watering can

MyGug Microscale Anaerobic Digesters are a complete disposal system for all types of food waste, cooked and uncooked. Through the process of Anaerobic Digestion food waste is turned into biogas and liquid bio-fertiliser.

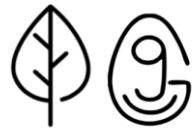
HOW IT WORKS: **MyGug** is used to dispose of food waste from your kitchen¹. This includes cooked and uncooked food waste as well as all types of liquid and semi liquid wastes including stews, porridge, toast, bread, cheese, eggs, yogurt, beans, peelings, soups, fruit, vegetables, cakes, sugar, preserves, oils fats and grease etc... The food waste that creates challenges is perfect for MyGug.

The anaerobic bacteria in the system turn the food waste into biogas and liquid bio-fertiliser. Anaerobic bacteria work most efficiently in MyGug digesters as they are insulated and heated and operate in all climates and weathers.

¹ Hard bones and large stones such as mango and avocado cannot be digested are not suitable for use with the macerator. Citrus peels have antibacterial properties so only minimal amounts should be macerated or they will affect digestion efficiencies.

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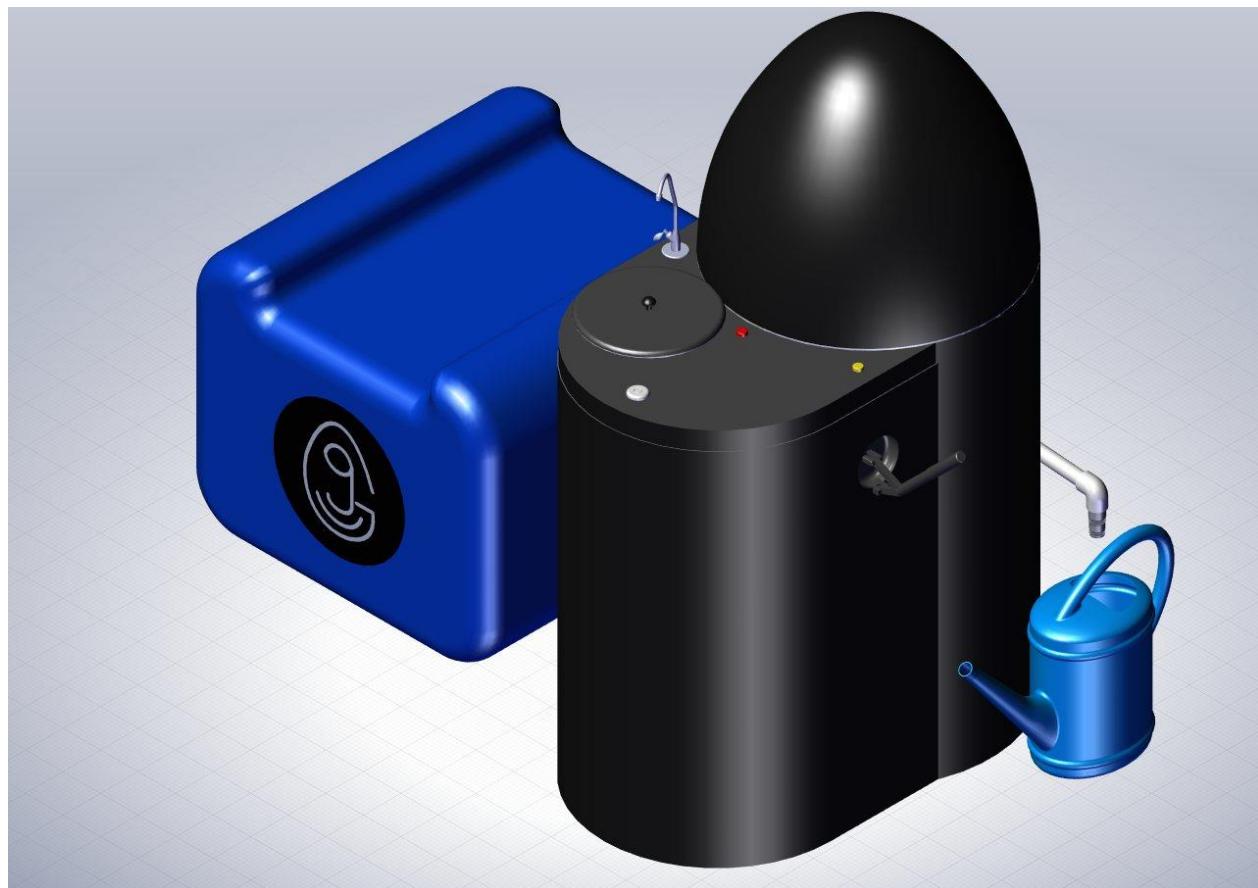


Technical Details:

MyGug Micro							
Model	Food Waste Up To Per day Kg	Liquid fertiliser per day Up To L	Food Waste Per Year Kg	Biogas production per day (up to) L	Cooking time per day (up to) hr	Power Rating kW	Power* consumption per day kW.Hr
Mini	1.5	3	550	300	1.5	0.5	0.5 – 1.5

\$Biogas production will vary depending on type of food wastes.

*Power requirements reduce in summer when it is warmer and increase in winter when it is colder



MyGug Micro: 500L Gas Bag, MyGug for Home watering can

What is supplied with Each Unit:

1. Cabinet and Egg Digester you see in the diagram.
2. 500L MyGug Biogas storage bag (about enough for 1-2 days gas storage)*
3. Biogas stove along with a 20w biogas pump and 30m of gas pipeline.

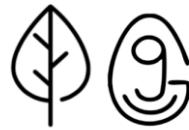
(*additional storage can be added as required)

All MyGug Digesters are CE Certified.



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Each unit can be delivered and setup in 2 hours. You will need power and hose points to connect to the unit. We will provide a bacterial inoculum to get your digester started. Each unit is installed outside and can be up to 80m away from the kitchen. A minimum footprint of 1m x 3m is required and a solid base (concrete/ wood or gravel) is recommended for the unit.

	<i>MyGug Anaerobic Digester</i>	<i>Composting</i>
Accepts cooked and uncooked food waste including meat and dairy	✓	✗
Does not require an additional carbon source to work properly	✓	✗
Will create energy from the food waste in the form of biogas	✓	✗
Is fully enclosed so will not attract vermin and flies	✓	✗
Is fully insulated	✓	✗
Will produce a constant supply of fertiliser	✓	✗
Will treat liquid wastes such as yogurt, soups, milk etc	✓	✗

MyGug is a best practice solution contributing significantly to the reduction of greenhouse gases and creating food waste solutions that work to support consumers and a healthier global natural environment.

Visit us at www.amugreen.com

*Specifications are subject to change without notice

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