Turning Food Waste Into Energy

- Biodigesters are a composting solution that creates biogas as a byproduct of the accelerated composting process
- Food scraps and water are placed in the inlet and the unit resealed
- Microbes digest the food scraps daily and create biogas (mostly methane with CO2 and water vapour)
- Biogas is continuously cleaned via the filter and is ready to cook with
- An outflow of liquid fertiliser is continuously created, matching the inflow of food scraps
- To use liquid fertiliser dilute with 3 parts water for top dressing or as soil preparation before planting

Daily Digestion

Gas Created

Food Scraps In



Use Gas

Use Liquid

Fertiliser





Add components



Note: the inlet tube must be all the way in until it clicks. Otherwise when filling, water will push out the tube

Add water



Note: the inlet tube must be filled from towards the centre rather than from the edge



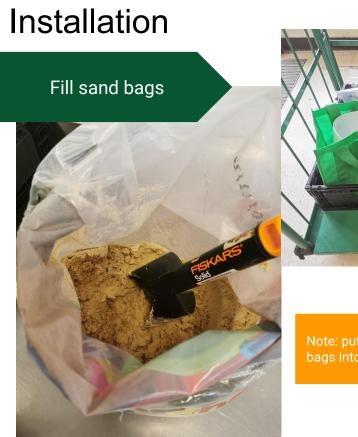


Unit filled



Note: water will flow from the outlet pipe when the unit is filled







Note: put the required number of bags into the correct distribution

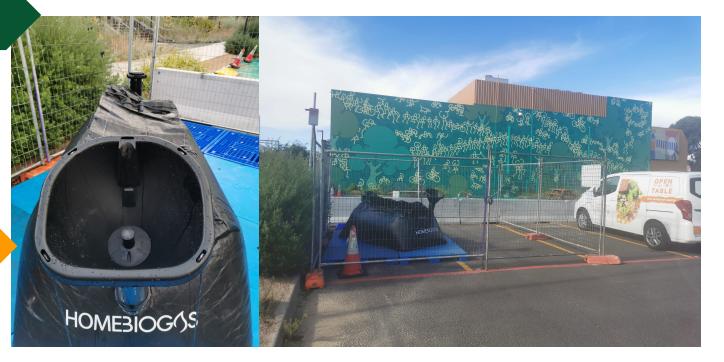


Note: prefill all bags with one litre of sand

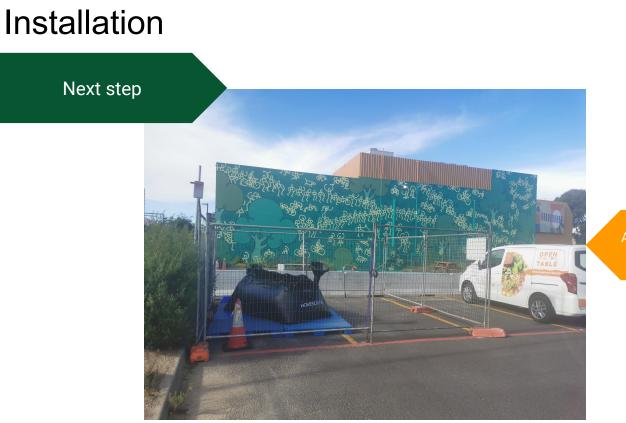


Installation

Ready for activation



Note: secure unit with plunger to stop thirsty & curious wildlife





Activation and Maintenance in the next Visual Guide