

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**



Food Scraps In

Daily Digestion

Gas Created

Use Gas

Use Liquid Fertiliser

Decommissioning

Pause feeding



Note:
lefthand has full gas tank
righthand has empty gas tank



Note: pause feeding the unit for
at least one month. Biogas
production will cease

Decommissioning

Unpack sandbags



Note: wear gloves since it's likely that critters have found places to live



Decommissioning

Acquire containers



Note: the volume required will be the same as the liquid tank (ie 1200L)

Decommissioning

Acquire pump



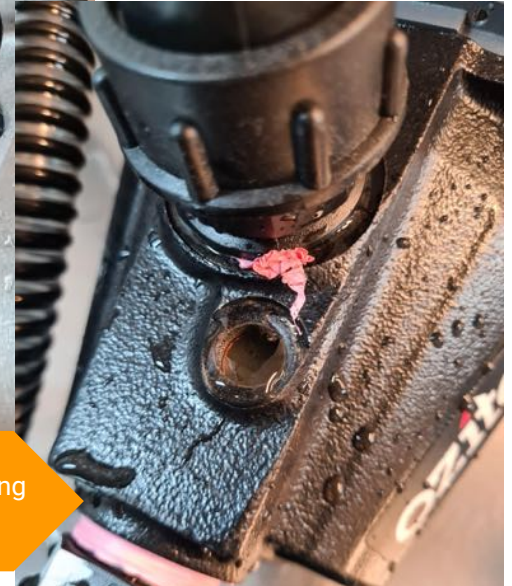
Note: inlet hose with filter



Note: submersible pumps will not fit the 12cm diameter access

Decommissioning

Test pump



Note: some pumps need priming with water first

OPEN
TABLE

Decommissioning

Drain tank



Note:
Power source is required



OPEN
TABLE

Decommissioning

Drain tank



Note:
Stay with the unit while draining

Decommissioning

Drain tank



Note:
The last amount has to be manually bailed. Invert pipes to create leverage



Decommissioning

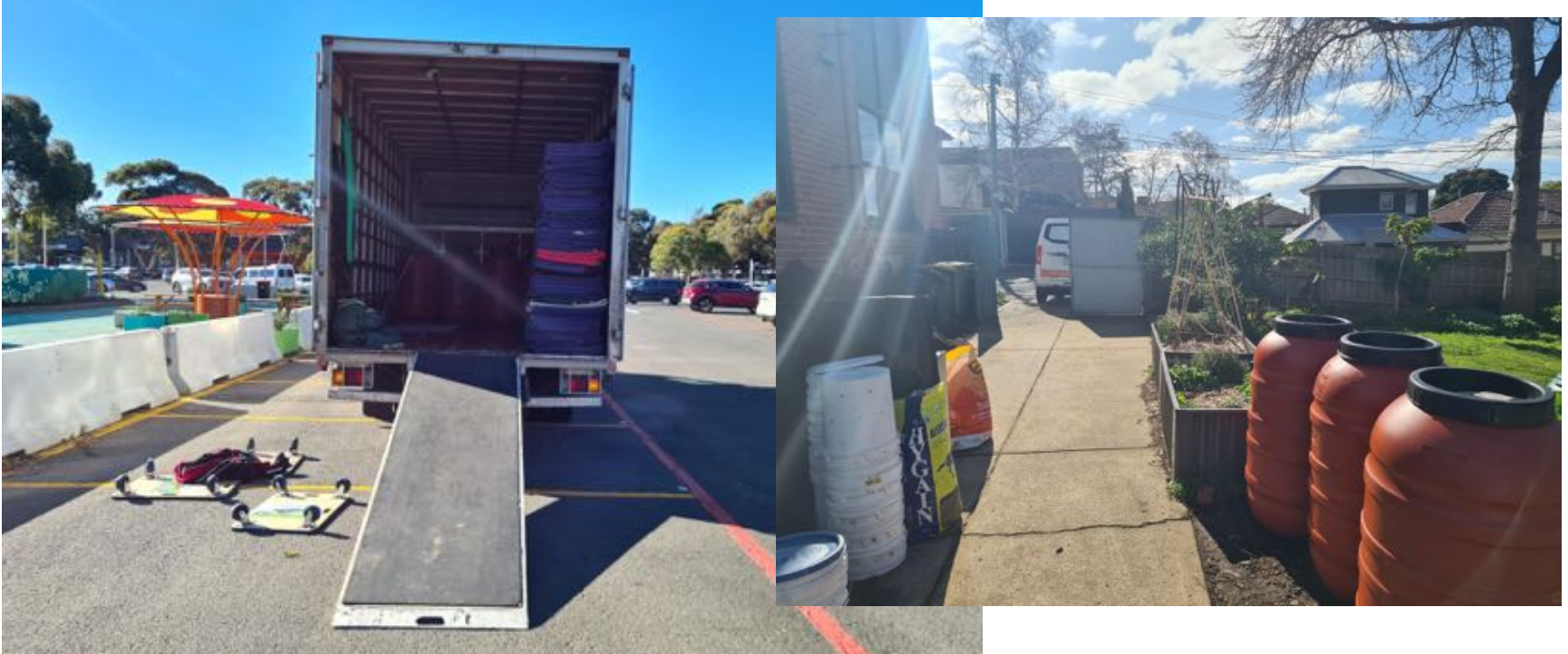
Pack unit



Note:
Block and cover inlet & outlet,
fold unit back on itself.

Decommissioning

Transport unit



Decommissioning

Thank you



Hope you found this series
informative