

Benefits of Worm Digester

Environmentally – friendly disposal of biodegradable waste.

Converts waste into an organic growing medium

Allows waste to be handled on site

Eliminates unnecessary landfill costs

Contributes towards eco - accreditation



The Workers

We use Dendrobaena Veneta worms in our worm digestion systems, they will consume up to 80% of their body weight per day given the right conditions in which to work, and produce a 100% organic material for use elsewhere.

Worms are able to digest: ordinary kitchen waste such as peelings, cooked and uncooked scraps, teabags, eggshells, paper kitchen towels, even shredded newspaper etc. In fact virtually any organic kitchen waste (a more extensive list is available upon request).

A worm digester is designed and manufactured according to your specific needs – there is no ‘one size fits all’ approach. A site visit will be carried out to establish:

- a) volume of waste available**
- b) location**
- c) suitability of site/ services available etc.**



Site Requirements

You will need:

- a consistent & sustainable waste stream (catering waste or other suitable biodegradable waste)
- a designated person responsible for waste handling
- a system for handling, separating and moving waste from bins & bags to your worm digester
- a method of shredding waste.
- a use for the organic growing medium produced by the digester

Services:

- single or three phase power supply (depending on size of unit)
- water supply



Critical factors



- correct volumes of food – within design capacity
- correct moisture levels
- adequate ventilation – fan included in unit
- waste spread evenly across digester
- designated personnel – to monitor the digester



WORM DIGESTER 50



Sizing guide

Size: will handle up to:

8' x 4' 25kgs waste/day

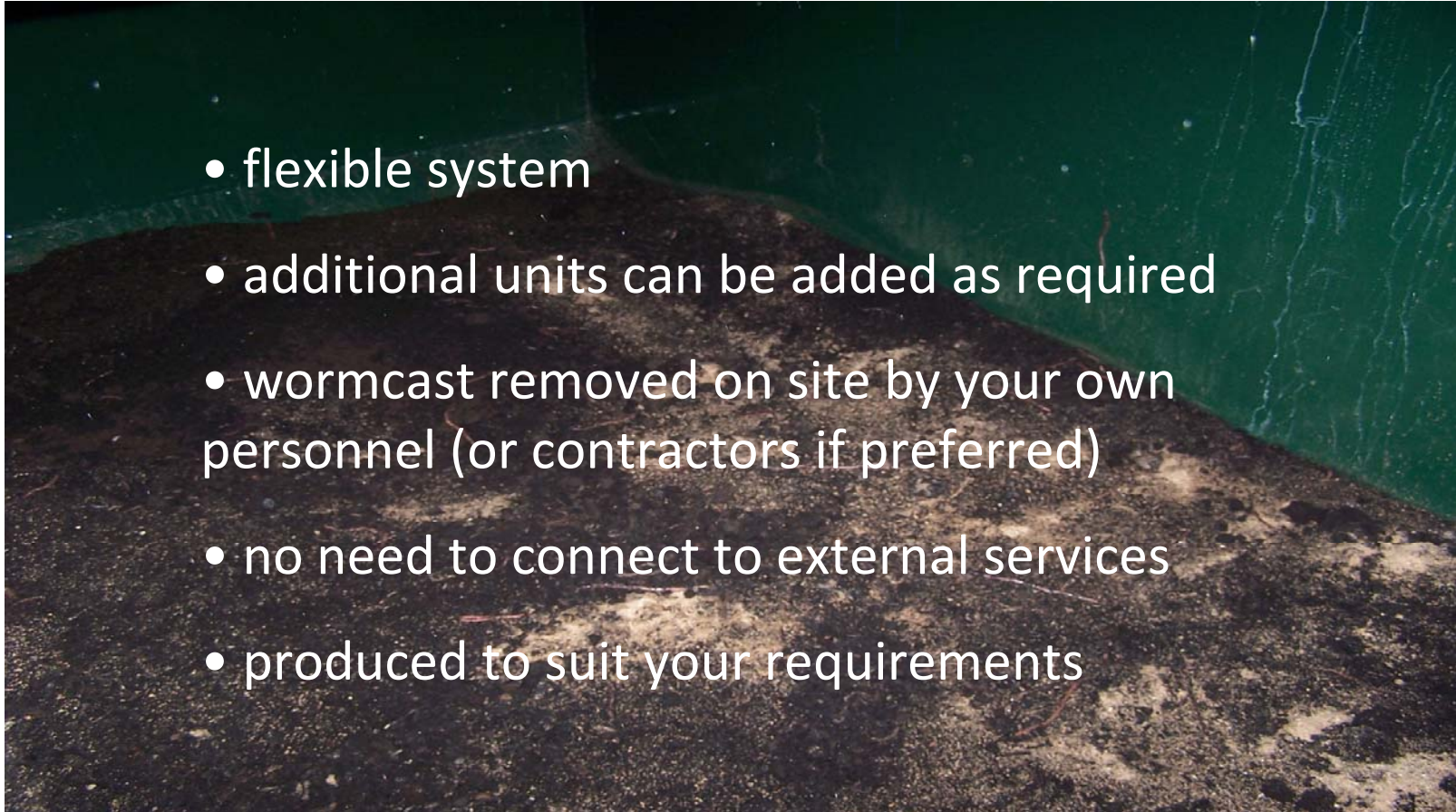
12' x 4' 37.5kgs waste/day

16' x 4' 50kgs waste/day



WORM DIGESTER 50

- flexible system
- additional units can be added as required
- wormcast removed on site by your own personnel (or contractors if preferred)
- no need to connect to external services
- produced to suit your requirements



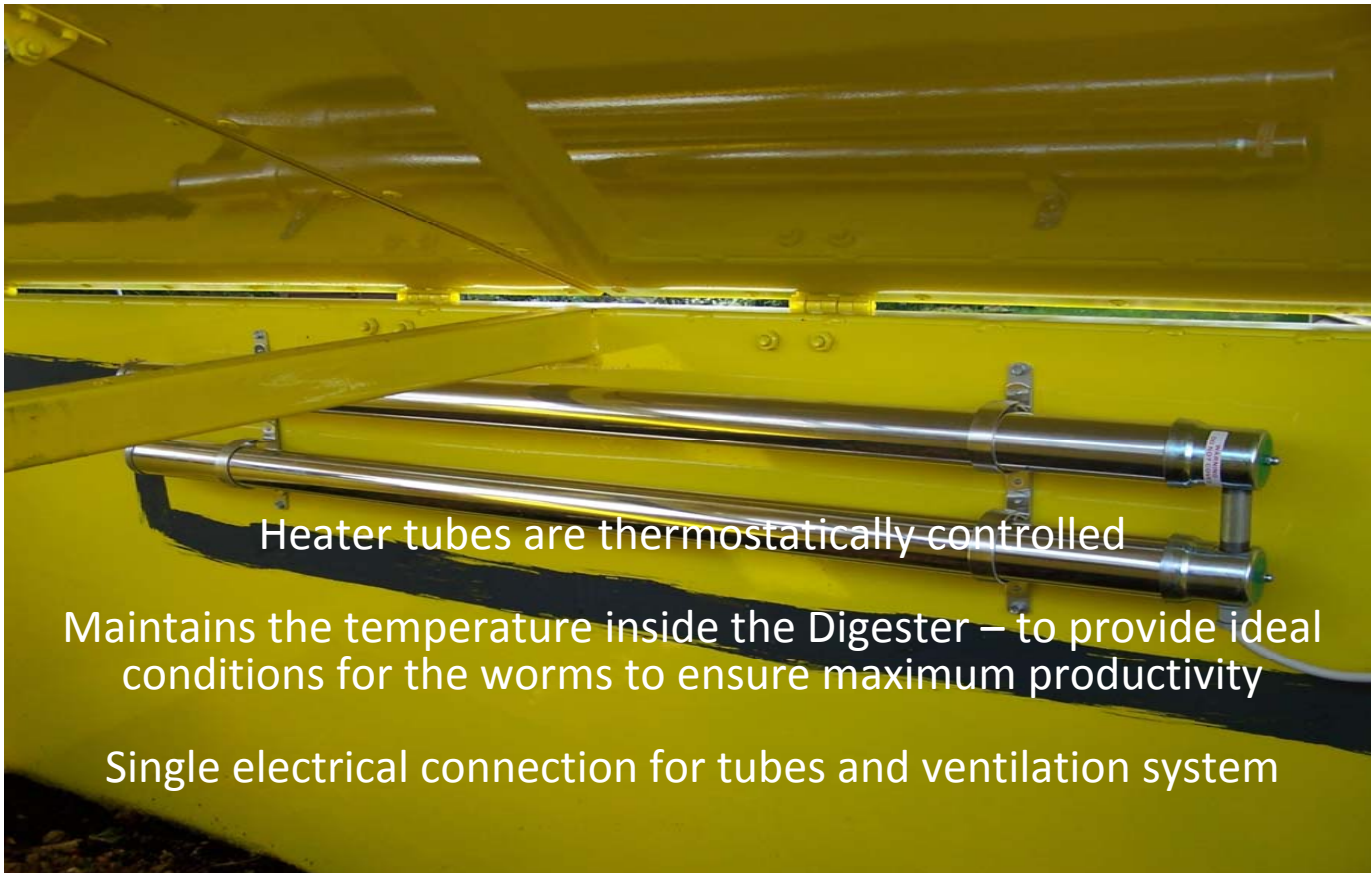
WORM DIGESTER 250



- different sizes available
- largest handles up to 125kgs of waste per day
- primarily used for food waste which when shredded is loaded through the doors and is self contained.
- no odours, no mess and very low noise levels
- easy to manage.



Heater Tubes



The Vermicomposting process

- Vermicomposting uses particular species of earthworms to process organic wastes into material possessing excellent chemical, physical and biological characteristics for improving plant growth and health (wormcast/vermicompost)
- During the vermicomposting process, organic matter is fully oxidised and stabilised and the nutrients are converted into forms which are readily available to plants
- Vermicomposts have a fine structure, high moisture-holding capacity, greatly increased microbial activity and contain growth regulators produced by micro organisms and the interaction with humic substances.



What Next ?

We arrange a site visit to undertake :

An evaluation of the waste source – volume and make up

Calculate space and livestock requirements

Assess availability of services (larger units)

As a result of which we will produce a detailed presentation with full capital costs and management costs (if appropriate)



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