

Case Study – Yard Demonstration Digester

Technical Specification: 5m³
quickQUBE Digester Demonstration
Unit

Installed: 5th May 2015

Commissioned: 14th May 2015



Contents included:

- Reception pod with macerator pump and internal mixing system
- A 4 sided digester forming a circular shape approx. diameter 2m with a working height of 1.7m and a total height of 2m including a ring in ring system with integral heating and mixing, H₂S gas netting and treatment system, 2m³ gas storage in head space, inner containment fabric, fleece insulation and outer protective cover.
- Stainless steel interface plate
- Gas mixing system
- Outflow pod
- Heating system
- Control system
- 10m³ gas storage bladder
- 2500 ltr digestate storage tank.
- Overall footprint = 30m²

Developed with the purpose of being a small demonstration model to show prospective clients this 5m³ quickQUBE is currently fed on food waste from the local pubs. The small amount of digestate that is produced is spread on lawns and gardens.

The gas that is being produced is running the boiler which heats the digester and part of the warehouse. It is also providing hot water. Gas production is currently 5-6m³ a day. Once we have the CHP running we will ramp the feed up to produce approximately 15m³ a day.

At the present time we are in the process of the design and build of a small 9kWe CHP for the unit.

For further information please contact:

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