

# Grifter



The Grifter is designed to meet domestic user requirements for handling raw sewage. Using a progressing cavity pump and tri-hammer macerator, this product is available as a unit only or as a packaged pump system.

The use of a single motor drive directly coupled to the pump and macerator gives lowest possible design/construction and running costs.

The Packaged System features duty and standby pumps, complete with all necessary pipework and factory assembled in a GRP kiosk. Integrally assembled below the pump kiosk is a glass fiber reinforced collection sump.

## Features

- Positive displacement pump
- Small bore pipe for rising main
- Above sewage, 'dry' location of pumps
- Tri-hammer macerator
- Pre-assembled package with insulated G.R.P. enclosure, containing all pumps, macerator and control equipment
- Total design, installation, commissioning and maintenance packages available

## Benefits

- Slow speeds, low wear rates and optimum running time. Grifters consume less than

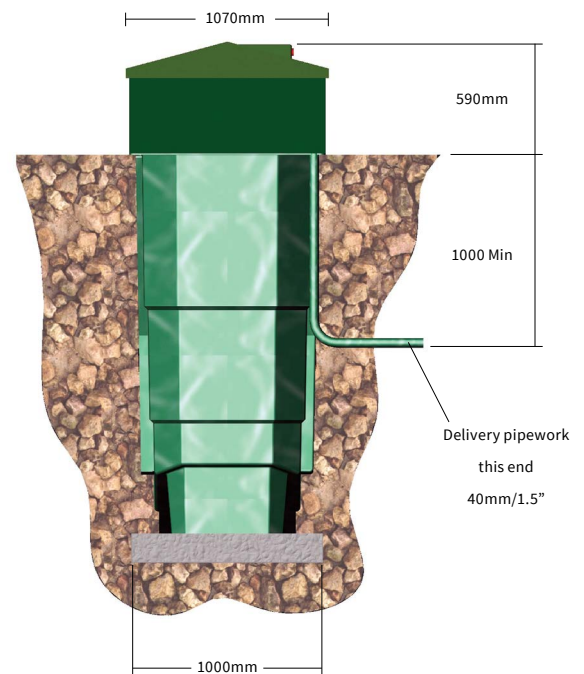
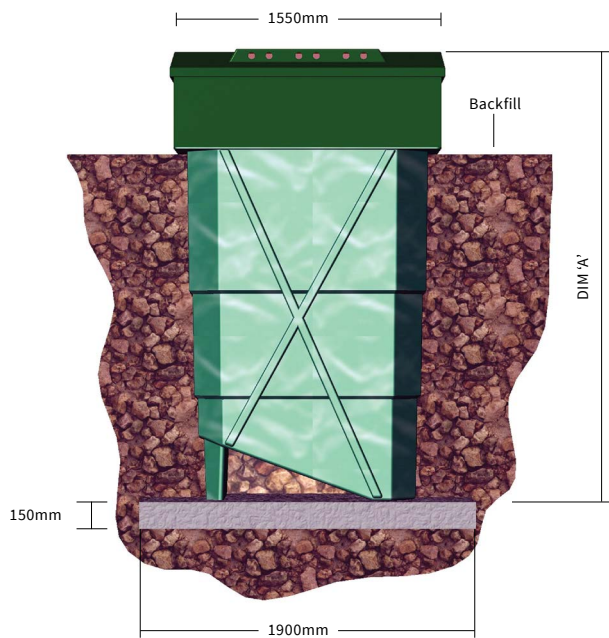
50% of the energy of conventional centrifugal sewage pumps.

- Flow is finely macerated.
- Lower installation costs, reduced risk of septicity and smells, greater freedom in routing layouts (will easily follow ground contours). Lower retention times allow a significantly better feed system to small treatment plants.
- Routine maintenance can be carried out easily in a clean environment, in-situ. No sump entry risks or hauling pumps up out of the sump – no continual chain certification.

- 3 hammer design gives very efficient product disintegration.
- Rapid installation, low noise level, fully weatherproof. Can be installed in very remote isolated areas at much lower costs than a conventional pump house construction.
- Only one order to one company – single sourcing.

# Grifter Packaged Pump System

## Performance Data/Dimensions



Model	kW	A mm	B mm	C mm	D
M12B125 M12B325	0.55	914	325	536	1" BSP Female
M12B280 M12B480	0.75	879	325	561	1 1/2" BSP Male

Sump depth	A	Wt
1200mm	1790mm	270kg
1600mm	2190mm	350kg

Single or three phase options available

### Capacity

- Up to 1.5m<sup>3</sup>/h – Pump Units M12B125/325  
Up to 4.0m<sup>3</sup>/h – Pump Units M12B280/480  
Maximum pressure 3 bar
- Discharge connection to rising main: 1 1/2" BSP Union

### Kiosk

- 1528mm x 1048mm x 590mm high

### Sump Depths

- 1200mm or 1600mm as standard

### Foundation Slab

- 1900mm x 1000mm,
- 150mm minimum thickness

### Applications

- Effluent from remote dwellings
- Sewage from marinas, caravan and other leisure facilities