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# GROUNDHOG Green Machine

The **GROUNDHOG Green Machine** is the award winning integrated system for screening, storing and distributing dirty water, silage effluent, dairy wastes and other effluents onto surrounding fields, in full compliance with the relevant MAFF Codes of Practice. **The Green Machine** eliminates the need for three stage settlement tanks and is easy to install, requiring little or no expensive civil work.

## How does it work?

The **Green Machine** consists of a brushed stainless steel screen, submersible feed pump, holding tank, distribution pump and controls, all in one neatly packaged, fully automated, galvanised steel unit. Distribution mains and sprinklers are also available to complement the system. During operation debris is removed from the effluent before it is pumped at low precipitation via an underground or portable main to sprinklers or self-travelling irrigators, thus preventing blockages.

## Advantages of The GROUNDHOG Green Machine

- No settlement tanks to de-sludge
- No expensive civil works
- No distributor nozzle blockages
- No pump priming problems
- Low maintenance and long life of distribution pump due to absence of solids.
- Solids can easily be handled (e.g. collected in a wheelbarrow)
- The submersible feed pump can operate from an existing effluent collection point (minimum 2.5m<sup>3</sup>)
- A choice of models to suit farm requirements, including single or three phase versions
- Standard safety features include high and low pressure cut out and frost protection
- Ideal for tenant farmers as it can easily be relocated.



MODEL : GM-50.0 KL30-3PH

## The Model Range

<i>Model</i>	<i>No. Of Phases</i>	<i>Distribution Pump Type</i>	<i>Distribution Pump Motor Power (Kw)</i>	<i>Distribution Pump Rated Output (m<sup>3</sup>/Hr)</i>	<i>Distribution Pump Rated Output (Bar)</i>
<b>GM-CP1-1PH</b>	1	Centrifugal	1.5	5.2	4
<b>GM-CP1-3PH</b>	3	Centrifugal	1.5	5.2	4
<b>GM-CP2-1PH</b>	1	Centrifugal	3	5	9
<b>GM-CP2-3PH</b>	3	Centrifugal	3	5	9
<b>GM-30KL-1PH</b>	1	Positive Displacement	1.5	2.5	4
<b>GM-30KL-3PH</b>	3	Positive Displacement	1.5	2.5	4
<b>GM-30.2KL-1PH</b>	1	Positive Displacement	3	2.5	9
<b>GM-30.2KL-3PH</b>	3	Positive Displacement	3	2.5	9
<b>GM-40KL-1PH</b>	1	Positive Displacement	3	4.5	4
<b>GM-40KL-3PH</b>	3	Positive Displacement	3	4.5	4
<b>GM-40.2KL-1PH</b>	1	Positive Displacement	5.5	4.5	9
<b>GM-40.2KL-3PH</b>	3	Positive Displacement	5.5	4.5	9

*N.B* Outputs and motor ratings have been calculated allowing a contingency factor for contaminated liquids and to extend the service life of the pumps. Theoretical performance figures for freshwater can be supplied upon request.

### Accessories

- 24 hour timer with override float switch
- Remote mounted Flashing or Audible Fault Warning
- Static Field Distribution Sprinklers
- Mobile Field Distribution Units