

ELETECH

Packaged Pump Stations

Eletech Sewage Pumping Stations

Eletech Sewage Pumping Stations are tough economical prepackaged units that are designed to solve the common sewage disposal problems.

Note: Each site and regulatory council have variable factors. We offer a full advice and design service.



Design Options

Option 1 – Domestic

This is a 740L concrete unit that includes a pump, prefabricated pipe work and fittings, non-return valve, isolating valves high level float switch and quick disconnect mac unions for pipes. There is also a control panel with audible and visual alarms to monitor the unit and advise the home owner of any issues.

Option 2 – Large Domestic

This is an 1500L tank suitable for higher flow applications such as large homes. This unit is complete with pump, prefabricated pipe work and fittings, non-return valve, isolating valves, high level float switch and quick disconnect mac unions for pipes. There is also a control panel with audible and visual alarms to monitor the unit and advise the owner of any issues.

TOUGH
ECONOMICAL
READY FOR USE

Option 3 – Light Commercial

This is an 3000L tank suitable for higher flow applications such as light commercial sites. This unit is complete with pump, prefabricated pipe work and fittings, non-return valve, isolating valves, high level float switch and quick disconnect mac unions for pipes. As with option 2 there is also a control panel with audible and visual alarms to monitor the unit and advise the owner of any issues.

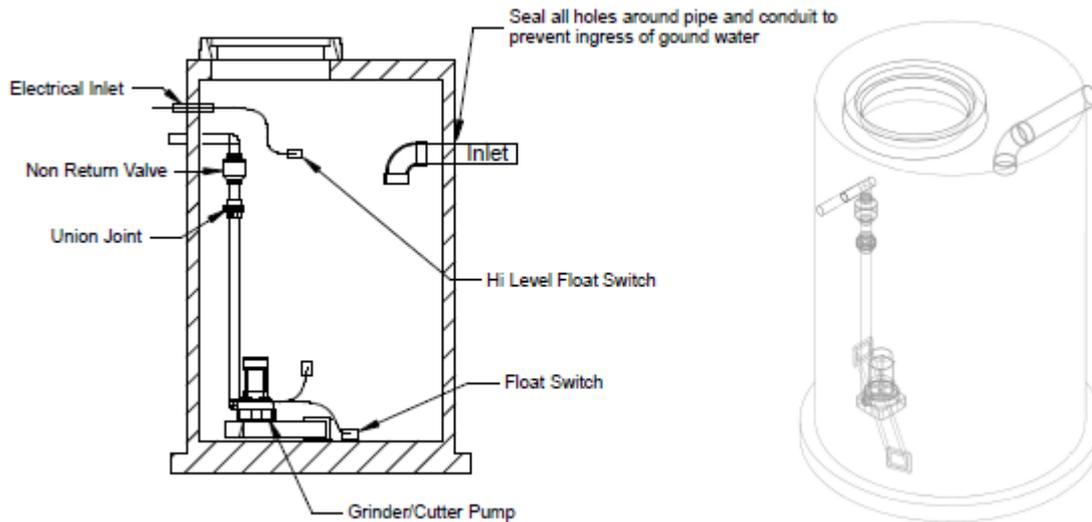
Option 4 – Commercial

A 3800L tank with the associated fittings and control panel but sized for commercial sites with options of single and dual pumps as well as vortex, cutter or grinding types.



Packaged Pump Stations

Typical Eletech Sewage Pump Station



| | Capacity (L) | External Height With lid (mm) | External Width at base (mm) | Internal Diameter (mm) | Mass (KG) |
|-------------------------|---|-------------------------------|-----------------------------|------------------------|-----------|
| Domestic | 740 | 2065 | 920 | 840 | 840 |
| Large Domestic | 1600 | 1600 | 1700 | 1200 | 2100 |
| Light Commercial | 3000 | 1900 | 2000 | 1500 | 3000 |
| Commercial | 3800 | 2275 | 1660 | 1500 | 3250 |
| | Extensive range of custom sizes and configurations are available on request | | | | |



Pump Options

Domestic – 0.75 kw single phase in vortex or cutter varieties.

Light Commercial – 0.75 kw single phase in cutter or grinder configuration (Note in some applications a vortex pump may still be adequate)

Commercial – 1.5 kw single or three phase cutter or grinder pump if higher head or fibrous input is envisaged.

Pump Design

Vortex Pumps – Built to sweep water and waste through the system via a swirling pathway caused by the open impellor design. Low wearing and lower maintenance.

Cutter Pumps – Built to cut the waste in wastewater into smaller parts and then push product through the pipe system. Ideal for areas with high fibrous matter loadings and lower cost than grinder pump.

Grinder Pumps – Built to hold and grind waste into small enough mass to go through the pipe system without choking up. Higher initial cost but with lower maintenance requirements than a cutter pump. Ideal for high loads of fibrous materials and can cope with limited amount of foreign materials such as soft plastics.