Distributors for major Pump Manufacturers
- Sewage Pumps & Pumping Stations
- Waste Water Pumping Systems
- Submersible Pumps & Tanks
- Booster Sets & Break Tanks
- Macerators

Commercial and Industrial Applications.
Sewage, Waste Water or Clean Water.
Difficult runs - High heads - Very hot water.

Whatever the pumping requirement call:-

Tel: 0118 9821 555   Fax: 0118 9821 666
E-mail: support@pumptechnology.co.uk
Web: www.pumptechnology.co.uk
Dear Customer,

Our catalogue really only gives an overview of our business. Pump Technology Ltd is like a bespoke tailor! We assemble pumps and pumping systems for sewage, waste water and cold water booster sets. Our systems can be customised for above or below ground applications. Our tanks are made of GRP to a very high standard by a group company.

We are able to supply pumps and fittings from most major manufacturers to suit your specific requirements.

---

**Pump Technology Ltd. is a main distributor for the following:**

- Juna Pumpen
- DAB
- Ebara
- Whale
- xylem
- Wilo
- Homa
- Abs
- Flygt
- Grundfos
- Saniflo
- Pedrollo
- Calpeda
- Hidrostal
- Caprari
- Lowara
- Espa
- Grindex
- KSB
- NOV
- Mono

---

**Quality Assured**

**Accreditations**

![Constructionline](image)

**TRY US OUT! We look forward to speaking to you soon.**
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</tr>
</tbody>
</table>
DRAINMINOR
The complete, automatic, waste water pumping system!

- EASY TO INSTALL
- HANDLES 10mm SOLIDS
- COMPACT SIZE:
  Fits into a very small space 322mm high x 380mm wide x 290mm deep
- POWERFUL:
  Pumps 5 metres vertically, 50 metres horizontally OR a combination of both
- LID EASILY REMOVED FOR CLEANING
- PIPEWORK 1¼" (32mm)
- PLASTIC/STAINLESS STEEL PUMP:
  Not subject to premature corrosion
- VERTICAL CENTRIFUGAL TYPE PUMP:
  With strainer base
- QUIET IN OPERATION
- AUDIBLE ALARM:
  To monitor water level
  (Available as an accessory)

PUMPS DOMESTIC WASTE WATER FROM:

- KITCHEN SINKS
- BASINS
- SHOWERS & BATHS
  (special “low level” float required)

- WASHING MACHINES
  & DISHWASHERS
  (special “low level” float required)
  see over

DRAINMINOR ‘SL’
- Designed to take waste water containing mildly corrosive chemicals (20 parts per million concentration)
- Ideal for waste water from printing / photographic processes and laboratories.
- Corrosion resistant Mechanical seals
- Can handle overflows from Softeners and Urinals

Also available in 316 Stainless steel
DRAINMINOR **DOMESTIC, LIGHT COMMERCIAL**, WASTE WATER PUMPING SYSTEM

**Electrical Data**

<table>
<thead>
<tr>
<th>Pump</th>
<th>Current Type</th>
<th>Voltage</th>
<th>Motor Power</th>
<th>R.P.M.</th>
<th>F.L.C.</th>
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<th>Plug</th>
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<tr>
<td>PTL 30</td>
<td>1 Phase</td>
<td>230</td>
<td>0.32</td>
<td>1.4</td>
<td>Incorporated</td>
<td>Safety</td>
<td></td>
</tr>
</tbody>
</table>

**DRAINMINOR**: This consists of a durable tank manufactured from polyethylene laminate.

**QUALITY**: The tank is pigmented throughout with an externally smooth isophthalic polyester gel coat and resin enriched lining.

**OUTLETS**: The tank has a 1¼" BSP discharge outlet.

**PUMP Type PTL 30**
Vertical, single-stage, submersible, with foot strainer (10x40 mm). Volute casing with 1¼" (male) radial pressure branch.

**Bearings**
Common shaft for pump and motor, mounted in ball bearings and grease lubricated for life.

**Seal**
Shaft sealing by means of shaft sealing rings and intermediate oil chamber, safe to run dry for short periods.

**Motor**
Submersible motor, type of enclosure IP 68, insulation class B, starting via plug or automatic circuit. Completely water tight cable entry.

**Materials**
Motor housing in high-grade steel, volute casing, impeller and control head in plastic (GRP), shaft in stainless steel, rubber insulated flexible cable.

**ALL INVERTS TO BE MADE TO SIDE OF TANK USING TANK CONNECTORS.**

**1¼" MINIMUM VENT TO AIR REQUIRED.**

**PERFORMANCE PTL 30**

<table>
<thead>
<tr>
<th>Delivery Head/m</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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</thead>
<tbody>
<tr>
<td>PTL 30</td>
<td>1.70</td>
<td>1.57</td>
<td>1.37</td>
<td>1.15</td>
<td>0.82</td>
<td>0.45 ltr/sec</td>
</tr>
</tbody>
</table>

**Low Level Float**
Must be fitted for Shower, Washing Machine, Dishwasher

**MAINTENANCE**: The DRAINMINOR should have the lid REGULARLY removed for CLEANING of the tank and pump.

**INSTALLATION DRAINMINOR  ** **Installers please note.**

1. Remove lid from tank, check pump is correctly positioned and connecting pipework has not been damaged in transit.
2. Check that the the union is tightly connected so that the pump does not move on its mountings impeding the float action.
3. All inverts should be brought into the tank by drilling a hole and using an appropriate tank connector.
4. Preferably no connections through the lid as this inhibits easy removal of the lid for cleaning tank. (Note: tank MUST be positioned in such a way that lid can be removed easily to allow access for tank interior and pump cleaning.)
5. All inverts should be brought into the tank (using tank connectors) at the highest possible level from the floor - i.e. no lower than 200 mm from base of unit. (With low level float 110 mm is the minimum invert level).
6. Ensure that the inflow of water is not directed onto the float arm.
7. A compression fitting can be installed between the non-return valve and the discharge pipework to enable the removal of the DRAINMINOR tank if required.
8. Slow radius, swept bends MUST be used for every change of direction of the 1¼" discharge pipework.
9. If the discharge pipework connects to a soil stack, manhole etc. **below the discharge outlet of the tank**, an anti-syphon unit MUST be fitted to the highest point of the discharge pipework.

**IF YOU HAVE ANY INSTALLATION QUERIES PLEASE TELEPHONE OUR TECHNICAL DEPT. BEFORE INSTALLATION.**

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
The DRAINMAJOR 60 is a waste water pumping system with awesome power!

10mm Solids handling capacity

This unit is designed to pump waste water from a Commercial/Industrial sink, wash basin, utility sink or any situation where waste water needs to be collected and pumped to the drainage system.

An important feature of the unit is its high head pumping capability (up to 8 metres - closed valve, no horizontal run) which enables it to handle difficult, awkward or very long discharge pipe runs.

- OFFICES
- WAREHOUSES
- FACTORIES
- SHOPS
- PUBS/CLUBS
- SCHOOLS
- CINEMAS
- THEATRES
- HOSPITALS
- RESTAURANTS

Dimensions mm

LID EASILY REMOVED FOR REGULAR CLEANING OF PUMP AND TANK

- WILL PUMP UP TO 8m VERTICALLY
- 10 mm SOLIDS HANDLING CAPACITY
- CONTINUOUS RATED MOTOR
- MECHANICAL SHAFT SEAL (SILICONE CARBIDE)
- COMPACT SIZE / EASY TO INSTALL
- COMPLETE, READY TO INSTALL

HIGH LEVEL ALARM (RECOMMENDED ACCESSORY) to monitor water level

The corrosion resistant pump has a mechanical seal which enables the unit to handle mildly diluted chemical in water. This is ideal for handling waste water from printing or photographic processes and laboratory sinks.

If using with cleaners/utility sink or hairdressers basins, use an “Inline Strainer” from Pump Technology.
DRAINMAJOR 60: The durable tank is manufactured from polyethylene, fully rigged with internal pipework and non return valve.

QUALITY: The tank is pigmented throughout with an externally smooth isophthalic polyester gel coat and resin enriched lining.

OUTLETS: The tank has a 1.5" BSP male thread discharge outlet. (NRV supplied is female thread).

PUMP Type PTL60: Vertical centrifugal type, single stage for submerged operation, with strainer base, open impeller (10 mm solids handling capacity).


Pump Casing: Plastic GFK pump body, top cover and GRP impeller, stainless steel encapsulated motor.

Bearings: Combined shaft for motor and pump, mounted in grease lubricated ball bearings.

Shaft Seal: Silicon carbide mechanical seal, unaffected by dry running for short periods.

Fitted with mechanical seal and oil buffer chamber, the pumps will give reliable service for long periods with minimum supervision and maintenance, apart from regular cleaning of the tank and pump strainer.

ALL INVERTS TO BE MADE TO SIDE OF TANK USING TANK CONNECTORS.
1¼" MINIMUM VENT TO AIR REQUIRED.
IF DISHWASHERS, GLASSWASHERS OR WASHING MACHINES ARE USED A 2" VENT IS REQUIRED.

IMPORTANT: This unit is not designed to handle sewage. Please enquire about our packaged sewage pumping systems.

The DRAINMAJOR 60 comes complete with a one year warranty. In the unlikely event of technical difficulties, please ring:
Pump Technology Limited on 0118 9821555

The DRAINMAJOR 730 is recommended for kitchens where 30mm solids handling capacity is required (e.g. for sinks with waste disposal units).
If your requirement is for commercial kitchens with multiple sinks, dishwashers, glasswashers etc. please use the DRAINMAJOR 60.

Depending on the working environment of the DRAINMAJOR it may be advisable to fit a grease trap/interceptor. Please seek advice from our technical department.

INSTALLATION:

1. Remove lid from tank, check pump is correctly positioned and connecting pipework has not been damaged in transit.
2. Check that the union is tightly connected so that the pump does not move on its mountings impeding the float action.
3. All inverts should be brought into the side of the tank by drilling a hole and using an appropriate tank connector.
4. Preferably no connections through the lid as this inhibits easy removal of the lid for cleaning tank. (Note: tank MUST be positioned in such a way that lid can be removed easily to allow access for tank interior and pump cleaning.)
5. All inverts should be brought into the tank (using tank connectors) at the highest possible level from the floor - i.e. no lower than 120 mm from base of unit.
6. Ensure that the inflow of water is not directed onto the float arm.
7. Slow radius, swept bends MUST be used for every change of direction of the discharge pipework.
8. If the discharge pipework connects to a soil stack, manhole etc. below the discharge outlet of the tank, an anti-syphon unit MUST be fitted to the highest point of the discharge pipework.

VENTING TO AIR: THE TANK MUST BE VENTED TO AIR (1¼" MIN.). DO NOT USE A DURGO / AIR ADMITTANCE VALVE. IF GLASSWASHERS OR COMMERCIAL/INDUSTRIAL DISHWASHERS/WASHING MACHINES ARE USED IT IS RECOMMENDED THAT AT LEAST A 2" VENT IS TAKEN TO AIR. (IF YOU WISH TO DISCUSS YOUR PARTICULAR APPLICATION WITH REGARD TO VENTILATION PLEASE CONTACT OUR TECHNICAL SALES DEPARTMENT.)

MAINTENANCE:
The DRAINMAJOR 60 should have the lid REGULARLY removed for CLEANING of the tank and pump

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
The DRAINMAJOR 730/1030 is the ideal waste water pumping system for high temperature, modern environments.

30mm Solids Handling Capacity
This unit is designed to pump waste water from Commercial/Industrial sinks, and utility/cleaners sinks.

It has been SPECIALLY constructed to handle hot water from commercial dishwashers, washing machines and glass washers.

An important feature of the unit is its high head pumping capability (up to 9 metres) which enables it to handle difficult, awkward or very long discharge pipe runs.

- OFFICES
- WAREHOUSES
- FACTORIES
- SHOPS
- PUBS/CLUBS
- SCHOOLS
- CINEMAS
- THEATRES
- HOSPITALS
- RESTAURANTS

PTL 730 ‘H’ version available for extremely hot water - up to 90° C. Check specifications with our Technical Department

- PUMPS UP TO 8m VERTICALLY
- 30mm SOLIDS HANDLING CAPACITY
- CONTINUOUS RATED MOTOR
- MECHANICAL SHAFT SEAL (SILICONE CARBIDE)
- COMPACT SIZE / EASY TO INSTALL
- COMPLETE / READY TO INSTALL

HIGH LEVEL ALARM (RECOMMENDED ACCESSORY) to monitor water level

This complete and simple to install System has been specifically designed to handle small amounts of food waste. The DRAINMAJOR 730 will pump waste water containing solids of up to 30 mm size, such as food particles from kitchen sinks.

The absence of a strainer avoids the familiar problem of pumps failing due to the inlet screen becoming clogged. Instead, the waterborne particles are picked up by the special 3 vane open impeller and passed directly into the discharge port.

Dimensions mm

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555  Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
DRAINMAJOR 730/1030: The durable tank is manufactured from polyethylene fibre laminate fully rigged with internal pipework and non return valve.

QUALITY: The tank is pigmented throughout with an externally smooth isophthalic polyester gel coat and resin enriched lining.

OUTLETS: The tank has a 1.5" BSP male thread discharge outlet. (NRV supplied is female thread)

PUMP Type PTL730/1030: Vertical single-stage, submersible with free inlet, spiral casing with 1.5" horizontal discharge open vortex impeller, (30 mm solids handling capacity).


Materials: Spiral casing in cast iron - Terminal board, hood, impeller, wear plate made of GRP. Motor casing and shaft of stainless steel. Supply through rubber insulated flexible cable.

Bearings: Common shaft for pump and motor, mounted in ball bearings.

Seal: Silicon carbide mechanical seal, oil chamber and double shaft seal towards the motor section, safe to run dry.

For Commercial kitchens with multiple sinks, dishwashers, glasswashers etc., a DRAIN-KING Twin Pump System MUST be used.

The DRAINMAJOR 730/1030 comes complete with a one year warranty. In the unlikely event of technical difficulties, please ring:
Pump Technology Limited on 0118 9821555

INSTALLATION DRAINMAJOR 730/1030 Installers please note. (use solvent weld or copper pipe)

1. Remove lid from tank, check pump is correctly positioned and connecting pipework has not been damaged in transit.
2. Check that the union is tightly connected so that the pump does not move on its mountings impeding the float action.
3. All inverts should be brought into the side of the tank by drilling a hole and using an appropriate tank connector.
4. Preferably no connections through the lid as this inhibits easy removal of the lid for cleaning tank. (Note: tank MUST be positioned in such a way that lid can be removed easily to allow access for tank interior and pump cleaning.)
5. All inverts should be brought into the tank (using tank connectors) at the highest possible level from the floor - i.e. no lower than 155 mm from base of unit for the 730 and 185mm for the 1030.
6. Ensure that the inflow of water is not directed onto the float.
7. Slow radius bends MUST be used for every change of direction of the discharge pipework.
8. If the discharge pipework connects to a soil stack, manhole etc. below the discharge outlet of the tank, an anti-syphon unit MUST be fitted to the highest point of the discharge pipework.

VENTING TO AIR: THE TANK MUST BE VENTED TO AIR (1½ MIN.) DO NOT USE A DURGO AIR / ADMITTANCE VALVE.

If glasswashers or commercial/industrial dishwashers/washing machines are used it is recommended that at least a 2" vent is taken to air. (If you wish to discuss your particular application with regard to ventilation please contact our technical sales department.)

MAINTENANCE:
The DRAINMAJOR 730/1030 should have the lid REGULARLY removed for CLEANING of the tank and pump

Depending on the working environment of the DRAINMAJOR it may be advisable to fit a grease trap/interceptor. Please seek advice from our technical department. Phone 0118 9821555 for further information.

**IMPORTANT:** This unit is not designed to handle sewage. Please enquire about our packaged sewage pumping systems.

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage</th>
<th>P1</th>
<th>P2</th>
<th>F.L.C.</th>
<th>RPM</th>
<th>Max. Solids Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTL 730E</td>
<td>single phase 230 V</td>
<td>0.83kW</td>
<td>0.50kW</td>
<td>3.9A</td>
<td>2500</td>
<td>30mm</td>
</tr>
<tr>
<td>PTL 730D</td>
<td>3-phase 400V</td>
<td>0.85kW</td>
<td>0.60kW</td>
<td>1.4A</td>
<td>2800</td>
<td>30mm</td>
</tr>
<tr>
<td>PTL 1030E</td>
<td>single phase 230 V</td>
<td>1.37kW</td>
<td>0.98kW</td>
<td>6.0A</td>
<td>2700</td>
<td>30mm</td>
</tr>
<tr>
<td>PTL1030D</td>
<td>3-phase 400V</td>
<td>1.36kW</td>
<td>1.06kW</td>
<td>2.4A</td>
<td>2740</td>
<td>30mm</td>
</tr>
</tbody>
</table>

Incorporated in motor (thermostat)

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
The DRAINMAJOR DUO is a waste water pumping system to share input from multiple appliances.

**IF 1 PUMP FAILS THE OTHER TAKES OVER!**
This DUAL unit with “high level alarm” pumps waste water from a Commercial/Industrial sink, wash basin, utility sink or any situation where waste water needs to be collected and pumped to the drainage system.

An important feature of the unit is its high head pumping capability (up to 8 metres) which enables it to handle difficult, awkward or very long discharge pipe runs.

- OFFICES
- WAREHOUSES
- FACTORIES
- SHOPS
- PUBS/CLUBS
- SCHOOLS
- CINEMAS
- THEATRES
- HOSPITALS
- RESTAURANTS

If one pump fails, water flows over central “weir” and activates the other pump.

LID EASILY REMOVED FOR REGULAR CLEANING OF PUMP AND TANK

- DUAL PUMPS WITH HIGH LEVEL ALARM (to monitor water level)
- WILL PUMP UP TO 8m VERTICALLY (see graph)
- 10 mm SOLIDS HANDLING CAPACITY
- MECHANICAL SHAFT SEAL (Silicone Carbide)
- COMPACT SIZE / EASY TO INSTALL
- READY TO INSTALL (No commissioning)

The corrosion resistant pump has a mechanical seal which enables the unit to handle mildly diluted chemical in water. This is ideal for handling waste water from printing or photographic processes and laboratory sinks. If using with cleaners/utility sink or hairdressors basins, use an “Inline Strainer” from Pump Technology.
**DRAINMAJOR DUO**: This consists of twin durable tanks manufactured from polyethylene.

**QUALITY**: The tank is pigmented throughout with an externally smooth isophthalic polyester gel coat and resin enriched lining.

**OUTLETS**: The tank has a 1½" BSP discharge outlet.

**PUMPS X 2**: Vertical centrifugal type, single stage for submerged operation, with strainer base, open impeller.

**Motor**: Fully encapsulated submersible motor with built-in overload/thermal cut-out, watertight (IP68) enclosure, class B insulation. Supplied with built-in level switch.

Fitted with mechanical seal and oil buffer chamber, the pumps will give reliable service for long periods with minimum supervision and maintenance, apart from regular cleaning of the tank and pump strainer.

ALL INVERTS TO BE MADE TO SIDE OF TANK USING TANK CONNECTORS.

1¼" MINIMUM VENT TO AIR REQUIRED.

IF DISHWASHERS, GLASSWASHERS OR WASHING MACHINES ARE USED A 2" VENT IS REQUIRED.

The **DRAINMAJOR DUO** comes complete with a one year warranty.

In the unlikely event of technical difficulties, please ring: **Pump Technology Limited on 0118 9821555**

**Technical Data (50 Hz)**

<table>
<thead>
<tr>
<th>Type</th>
<th>Voltage</th>
<th>P1</th>
<th>P2</th>
<th>F.L.C.</th>
<th>RPM</th>
<th>Overload Protection</th>
<th>Max. Solids Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTL 60E</td>
<td>single phase 230 V</td>
<td>0.70kW</td>
<td>0.45kW</td>
<td>3.4A</td>
<td>2600</td>
<td>Incorporated in motor</td>
<td>10mm</td>
</tr>
<tr>
<td>PTL 60D</td>
<td>3phase 400V</td>
<td>0.75kW</td>
<td>0.60kW</td>
<td>1.3A</td>
<td>2800</td>
<td></td>
<td>10mm</td>
</tr>
<tr>
<td>PTL 730E</td>
<td>single phase 230 V</td>
<td>0.83kW</td>
<td>0.50kW</td>
<td>3.9A</td>
<td>2500</td>
<td></td>
<td>30mm</td>
</tr>
<tr>
<td>PTL 730D</td>
<td>3-phase 400V</td>
<td>0.85kW</td>
<td>0.60kW</td>
<td>1.4A</td>
<td>2800</td>
<td>Incorporating in tank</td>
<td>30mm</td>
</tr>
<tr>
<td>PTL 1030E</td>
<td>single phase 230 V</td>
<td>1.37kW</td>
<td>0.98kW</td>
<td>6.0A</td>
<td>2700</td>
<td></td>
<td>30mm</td>
</tr>
<tr>
<td>PTL 1030D</td>
<td>3-phase 400V</td>
<td>1.36kW</td>
<td>1.06kW</td>
<td>2.4A</td>
<td>2740</td>
<td></td>
<td>30mm</td>
</tr>
</tbody>
</table>

**INSTALLATION**

**DRAINMAJOR DUO Installers please note. (use solvent weld or copper pipe)**

1. Remove lid from tank, check pump is correctly positioned and connecting pipework has not been damaged in transit.
2. Check that the pumps are correctly positioned in the tank and that the union is tightly connected so that the pump does not move on its mountings impeding the float action.
3. All inverts should be brought into the side of the tank by drilling a hole and using an appropriate tank connector.
4. All inverts should be brought into the tank (using tank connectors) at the highest possible level from the floor - i.e. no lower than 120 mm from base of unit for the PTL 60, 155mm for the PTL730 and 185mm for the PTL1030.
5. Preferably no connections through the lid as this inhibits easy removal of the lid for cleaning tank. (Note: tank **MUST** be positioned in such a way that lid can be removed easily to allow access for tank interior and pump cleaning.)
6. Ensure that the inflow of water is not directed onto the float mechanism.
7. Slow radius bends **MUST** be used for every change of direction of the discharge pipework.
8. If the discharge pipework connects to a soil stack, manhole etc. **below the discharge outlet of the tank**, an anti-syphon unit **MUST** be fitted to the highest point of the discharge pipework.

**VENTING TO AIR**: THE TANK MUST BE VENTED TO AIR (1¼" MIN.) **DO NOT USE A DURGO AIR / ADMITTANCE VALVE**. IF GLASSWASHERS OR COMMERCIAL/INDUSTRIAL DISHWASHERS/WASHING MACHINES ARE USED IT IS RECOMMENDED THAT AT LEAST A 2" VENT IS TAKEN TO AIR. (IF YOU WISH TO DISCUSS YOUR PARTICULAR APPLICATION WITH REGARD TO VENTILATION PLEASE CONTACT OUR TECHNICAL SALES DEPARTMENT.)

**MAINTENANCE**: The **DRAINMAJOR DUO** **should have the lid REGULARLY** removed for CLEANING of the Tank and Pump

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
DRAINING

Waste Water Pumping System using Dual pumps

The Solution for Commercial Kitchens with Multiple Sinks, Dishwashers and Glasswashers where there is no access to conventional gravity fed drains.

This unit is SPECIALLY DESIGNED to pump waste water from commercial/industrial kitchen sinks (with waste disposal units), commercial dishwashers, glasswashers, washing machines and utility cleaners sinks. The system is DESIGNED TO HANDLE VERY HOT WATER from commercial pumped appliances (i.e. dishwashers using ‘H’ version pumps).

The DRAIN-KING 730/1030 will pump waste water containing solids up to 30mm in size such as food particles. The pump has been specifically designed to handle stringy and fibrous waste in suspension.

- RESTAURANTS
- PUBS/CLUBS
- FACTORIES
- SHOPS
- WAREHOUSES
- SCHOOLS
- CINEMAS
- THEATRES
- HOSPITALS
- OFFICES

FEATURES INCLUDE

- PUMPS UP TO 8m/10m VERTICALLY
- 30 mm SOLIDS HANDLING CAPACITY
- RATED FOR CONTINUOUS OPERATION
- MECHANICAL SEAL (DOUBLE SILICONE CARBIDE)
- COMPLETE, READY TO INSTALL
- EASY INSTALLATION
- CONTROL PANEL (C/W HIGH LEVEL ALARM)

CONTROL GEAR:
The Twin Pump System has a Control Panel that gives:
- duty changeover
- standby
- assist
- high level alarm and volt free contacts for adding a remote alarm facility.
DRAIN-KING: This consists of a durable tank manufactured from polyester/glass fibre (GRP) laminate, fully rigged with internal pipework, non return valves etc. for Single or Twin Pumps.

QUALITY: The tank is pigmented throughout with an externally smooth isophthalic polyester gel coat and resin enriched lining.

DISCHARGE OUTLETS: Have a 2” Male BSP male thread outlet.

INSTALLATION: See Installation Notes.

PUMP Type: Vertical single-stage, submersible with free inlet, volute casing with 1¾” (female) pressure branch, open centrifugal impeller, (30 mm solids handling capacity).

Motor: Submersible, oil filled motor, type of enclosure IP68, insulation class B, starting via plug or automatic circuit.

Materials: Spiral casing in cast iron - Terminal board, hood, impeller, wear plate made of GRP. Motor casing and shaft of stainless steel, supply through rubber insulated flexible cable.

Bearings: Common shaft for pump and motor, mounted in ball bearings.

Shaft Seal: Silicon carbide mechanical seal, oil chamber and double shaft seal towards the motor section, safe to run dry.

PTL 730 ‘H’ version available for extremely hot water. Check specifications with our Technical Department.

IMPORTANT: This unit is not designed to handle sewage. Please enquire about our packaged sewage pumping systems.

The DRAINING comes complete with a one year warranty. In the unlikely event of technical difficulties, please ring: Pump Technology Limited on 0118 9821555

VENTING TO AIR: THE TANK MUST BE VENTED TO AIR (1¼” MIN.). DO NOT USE A DURGO / AIR ADMITTANCE VALVE. If glasswashers or commercial/industrial dishwashers/washing machines are used it is recommended that at least a 2” vent is taken to air. (If you wish to discuss your particular application with regard to ventilation please contact our Technical Sales Department.)

MAINTENANCE: The DRAINING should have the lid REGULARLY removed for CLEANING of the Tank and Pump

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
WASTE WATER SUBMERSIBLE PUMPS

Pump Technology STOCK a comprehensive range of single and three phase waste water pumps.

Contact our Technical helpline for expert advice backed by practical experience.

- Domestic Applications
- Industrial Applications
- Very Hot Water
- Chemical Environments

Ideal for sumps taking water from kitchens, basements, lift wells, fountains or reservoirs.

The PTL range is especially suited for contaminated water and similar harsh environments where corrosion is a problem.

These high quality products are built with the essential parts to prolong life, requiring minimal supervision and maintenance.

Remember: Quality and reliability isn't expensive - it's priceless.

INSTALLATION

Many installation options are possible - for instance:-

Typical duplex installation with separate level control

All pumps can be fitted with our 'Guide Rail' system for ease of cleaning and maintenance.
SUBMERSIBLE SEWAGE PUMPS
Pump Technology offer and STOCK a comprehensive range of these pumps. We can provide the right solution for challenging pumping applications.

Contact our Technical helpline for Full Specifications!

MULTICUT SUBMERSIBLE PUMPS

- Sewage and Waste Disposal solution
- Holiday/Caravan Parks. Rural or remote situations
- Estates or individual housing projects
- Small bore pipework over long distances and difficult or uneven ground conditions
- Combined cutting and pumping operation for trouble free low-cost effluent disposal.

VORTEX SUBMERSIBLE PUMPS

This range of pumps is ideal for pumping waste water containing solid matter or domestic sewage such as waste from toilets, washing machines, etc.

Pumps from the range make an ideal Sump Pump.

Built-in features make these market leading pumps robust and long lived.
**The EFFLU MAXI range**

Powerful Floor Mounted Sewage Disposal and Waste Water Pumping Systems that can be relied on!

**APPLICATIONS**
- SHOPS & OFFICES
- FACTORIES
- CINEMAS & THEATRES
- HOSPITALS
- HOTELS & RESTAURANTS
- PUBS, CLUBS & BARS

These Single & Twin Pump systems are designed specifically for commercial and industrial situations where toilets are to be used by a number of people and where domestic macerators/pumping systems are totally unsuitable.

The capital cost of purchasing a floor-mounted sewage pumping station will be more economical than the maintenance cost of using several domestic pumping systems.

The **EFFLU MAXI** range is ideal in situations where one or several toilets have to be fitted in one location (together with hand basins, urinals, kitchens and utility sinks).

The toilets can be manifolded together and brought into the pumping station, which can be sited on the same level (1 in 40 fall), lower level or on the floor below.

**EFFLU MAXI** systems pump in 3" or 4" discharge pipework using pumps with large free passage that ensures freedom from blockages.

The unit can be supplied as a single or twin pump systems, it will pump to a vertical head of 6 -10 metres depending on the system used.

**DISCHARGE PIPEWORK:**
- 3" uPVC Class C or D solvent weld (or copper, iron etc. as required)
- VENT: 70mm vent to AIR/ATMOSPHERE is required a DURGO / AIR ADMITTANCE VALVE MUST NOT BE USED)
- see Microvent if venting to air is a problem.

---

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
The **EFFLU MAXI**:
Consists of a Polyethylene tank complete with a discharge non return valve and couplings for all invert, discharge & vent connections including non return valve.

Both systems have a Control Panel with overload relay, alarm device, high level alarm and volt free contacts for remote alarm.

The twin pump unit is equipped with a Control Panel giving duty changeover, duty assist and duty standby on the pumps. Install in a dry area.

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Type</th>
<th>Tank Capacity litres</th>
<th>Floor to Centre Inlet mm</th>
<th>Inlet Flange</th>
<th>Weight kg</th>
<th>Discharge Size</th>
<th>Vent Pipe mm</th>
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<tbody>
<tr>
<td>80 E Single</td>
<td>50</td>
<td>180</td>
<td>DN100</td>
<td>64</td>
<td>3” or 4”</td>
<td>70</td>
</tr>
<tr>
<td>80 D Single</td>
<td>50</td>
<td>180</td>
<td>DN100</td>
<td>64</td>
<td>3” or 4”</td>
<td>70</td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Supply</th>
<th>Voltage</th>
<th>Motor Rating kw input</th>
<th>Motor Rating kw output</th>
<th>Current Amperes</th>
<th>RPM</th>
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<tr>
<td>80E</td>
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<td>87</td>
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Also available with 250mm floor to centre inlet if required

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**EFFLU MAXI 80 Single**

<table>
<thead>
<tr>
<th>Type</th>
<th>Tank Capacity litres</th>
<th>Floor to Centre Inlet mm</th>
<th>Inlet Flange</th>
<th>Weight kg</th>
<th>Discharge Size</th>
<th>Vent Pipe mm</th>
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<tbody>
<tr>
<td>80 D or E twin</td>
<td>100</td>
<td>250</td>
<td>DN100</td>
<td>140</td>
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<td>70</td>
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<tr>
<td>80/51 D twin</td>
<td>100</td>
<td>250</td>
<td>DN100</td>
<td>140</td>
<td>3” or 4”</td>
<td>70</td>
</tr>
<tr>
<td>80/52 D twin</td>
<td>100</td>
<td>250</td>
<td>DN100</td>
<td>140</td>
<td>3” or 4”</td>
<td>70</td>
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<tr>
<th>Type</th>
<th>Supply</th>
<th>Voltage</th>
<th>Motor Rating kw input</th>
<th>Motor Rating kw output</th>
<th>Current Amperes</th>
<th>RPM</th>
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<tr>
<td>80 twin</td>
<td>1-phase</td>
<td>230</td>
<td>1.55</td>
<td>1.09</td>
<td>6.9</td>
<td>1442</td>
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<td>80 twin</td>
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<td>1.10</td>
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<td>1451</td>
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<td>2.20</td>
<td>1.70</td>
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<td>1405</td>
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<tr>
<td>80/52 twin</td>
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<td>3.00</td>
<td>2.20</td>
<td>5.1</td>
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</table>

Also available with 180mm and 315mm floor to centre inlet if required

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**MOUNTING ARRANGEMENTS**

**EFFLU MAXI 80 SINGLE PUMP**

**EFFLU MAXI 80 TWIN PUMP**

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
The EFFLU MAXI™ 120 Twin Pump

Sewage disposal units with tough power that can be relied on!

APPLICATIONS

- PUBS, CLUBS & BARS
- HOTELS & RESTAURANTS
- FACTORIES
- SHOPS - OFFICES
- CINEMAS & THEATRES
- HOSPITALS

These systems have a large capacity 350 Ltr. tank and are designed specifically for commercial and industrial situations where toilets are to be used by a number of people and where domestic macerators / pumping systems are totally unsuitable.

The capital cost of purchasing a floor-mounted sewage pumping station will be more economical than the maintenance cost of using domestic pumping systems.

The EFFLU MAXI 120 range is ideal in situations where several toilets have to be fitted in one location (together with hand basins, urinals, kitchens and utility sinks).

The toilets can be manifolded together and brought into the pumping station, which can be sited on the same level, lower level or on the floor below.

EFFLU MAXI systems pump in 4" discharge pipework using non-clogging pumps with large free passage that ensures freedom from blockage.

The EFFLU MAXI 120 will pump to a vertical head of 6-18 metres depending on the system used.

DISCHARGE PIPEWORK: 4" uPVC Class C or D solvent weld (or copper, iron etc. as required)
VENT: 70mm vent to AIR/ATMOSPHERE is required (a DURGO / AIR ADMITTANCE VALVE MUST NOT BE USED) see Microvent if venting to air is a problem.
Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.

The EFFLU MAXI 120:
Consists of a Polyethylene tank complete with a discharge non return valve and couplings for all invert, discharge & vent connections including reflux (non return valve).

Both systems have a Control Panel with overload relay, high level alarm, lamp for rotation control and volt free contacts for connecting a remotely sited alarm device. Install Control Panel in dry area.

A feature of the EFFLU MAXI 120 is that the twin pumps have alternating duty cycles and if required they will operate on a duty/backup system to deal with peak flow conditions.
The EFFLU GRINDER
High Head pumping unit will pump up to 20 metres vertically.

APPLICATIONS
- SHOPS & OFFICES
- FACTORIES
- CINEMAS & THEATRES
- HOSPITALS
- HOTELS & RESTAURANTS
- PUBS, CLUBS & BARS

These systems are designed specifically for commercial and industrial situations where toilets are to be used by a number of people and where domestic macerators/pumping systems are totally unsuitable.

This unit has been designed specially for the disposal of sewage on difficult applications where small bore pipework is necessary or high pumping heads required, due to static height or long pumping main.

The EFFLU GRINDER range is ideal in situations where one or two toilets have to be fitted in one location (together with hand basins, urinals, kitchens and utility sinks).

The toilets can be manifolded together and brought into the pumping station, which can be sited on a lower level, 1 in 40 fall, or on the floor below.

EFFLU GRINDER systems pump in 2" discharge pipework using a powerful cutter pump.

DISCHARGE PIPEWORK:
2" uPVC Class C or D solvent weld (or copper, iron etc. as required)

VENT: 70mm vent to AIR/ATMOSPHERE is required (a DURGO / AIR ADMITTANCE VALVE MUST NOT BE USED) see MICROVENT if venting to air is a problem.
The EFFLU GRINDER:

Consists of a Polyethylene tank complete with a discharge non return valve and couplings for all invert, discharge & vent connections including reflux (non return valve). The entire unit is damp and flood-proof and thus ideally suited to placing in unventilated areas or basements subject to accidental flooding.

It incorporates a Control Panel with overload relay, alarm device, high level alarm and volt free contacts for remote alarm. **Install Control Panel in dry area.**

### TECHNICAL DATA

#### DESCRIPTION

**Pump:** Single stage vertical centrifugal pump, with open 3-blade impeller, horizontal 1½" flanged discharge branch, and adjustable Multicut cutting system.

**Shaft/Bearings:** Combined pump/motor shaft, protected against contact with pumped liquid, and rotating in grease-packed ball bearings.

**Shaft seal:** Oil-filled seal chamber between pump and stator casing with wear-resistant silicone carbide primary seal with dry running properties and duplex lip seal as secondary seal.

**Motor:** Submersible motor with "dry" type stator windings class F insulation, watertight cast iron enclosure (IP 68) supplied with multicore flexible cable with polychloroprene outer sheath. The pumps are also available with explosion-proof motors (Ex dll BT4) in accordance with German specification V.D.E. 0171.

**Materials:** Cast iron pump and motor casings and impeller, corrosion protected shaft (no contact with pumped liquid) stainless steel hardened (HRC 57) cutting system.

**Maintenance is extremely simple:** the tank has a top mounted inspection/cleaning aperture and, if necessary, the pumping unit can be removed/replaced in minutes and without disturbing the tank assembly.

<table>
<thead>
<tr>
<th>Type</th>
<th>Tank Capacity litres</th>
<th>Floor to Centre Inlet mm</th>
<th>Inlet Flange</th>
<th>Weight kg</th>
<th>Discharge Size</th>
<th>Vent Pipe mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>38</td>
<td>180 250</td>
<td>DN100</td>
<td>42</td>
<td>2&quot;</td>
<td>70</td>
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<tr>
<td>Twin</td>
<td>115</td>
<td>180 250</td>
<td>DN100</td>
<td>77</td>
<td>2&quot;</td>
<td>70</td>
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<table>
<thead>
<tr>
<th>Type</th>
<th>Supply</th>
<th>Voltage</th>
<th>Motor Rating kw</th>
<th>Motor Rating kw output</th>
<th>Current Amperes</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>82E</td>
<td>1-phase</td>
<td>230</td>
<td>1.70</td>
<td>1.14</td>
<td>7.5</td>
<td>1442</td>
</tr>
<tr>
<td>82</td>
<td>3-phase</td>
<td>400</td>
<td>1.65</td>
<td>1.24</td>
<td>2.8</td>
<td>1451</td>
</tr>
<tr>
<td>20</td>
<td>3phase</td>
<td>400</td>
<td>2.30</td>
<td>1.85</td>
<td>3.9</td>
<td>1405</td>
</tr>
</tbody>
</table>

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Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.
The PTL Minimatic Sewage Pump Station is suitable for domestic sewage pumping installations where gravity flow is not available. It can also be used for a variety of drainage applications.

It is ideal for extensions, garden rooms and similar small applications and is designed for fast, easy installation.

This unit is particularly suitable when water or sewage is collected at a lower level than the main sewer or a septic tank system and requires pumping uphill into these.

Everything required for the pump station is included, so the installer only needs to supply the pipework to and from the station, plus any fittings.

The PTL Minimatic Sewage Pump Station features a high spec. submersible pump with 50mm solid handling for optimum efficiency and peace of mind.
THE PUMPMATIC RANGE
A BESPOKE, BELOW GROUND PUMP SYSTEM DESIGNED AND ASSEMBLED TO SUIT YOUR REQUIREMENTS.

The various versions of the PUMPMATIC range shown here are EXAMPLES ONLY. There are dozens of pumps which can be used in each tank (depending on application).

The System would comprise of:-

- **Pump Chamber** - Sized according to duty, holding requirements, building regulations, etc.
- **Pumps** - Single or Twin operation selected for duty, type of waste, distance and head.
- **Control Panel, Float Switches or probes & Alarms** - depending on requirements.
- **Access Cover** - Pedestrian/Vehicle weight or Double Sealed/lockable

Questions we might ask to get the right system for your application:-

- Is the application Domestic or Commercial?
- What will the system have to cope with? (whole property, annexe etc.)
- How many sinks, toilets, wash basins, washing machines, etc.
- Head and horizontal distance required to be pumped to main drains.
- Power supply available 240v or 3 Phase.
PUMPMATIC 75/750
Packaged Sewage Pumping System (single pump)

- Swing Check Valve
- Cable Duct
- Inlet
- Quick Release Coupling
- 400 mm Invert
- Submersible Pump
- Tank INVERT & DISCHARGE are set at a STANDARD HEIGHT
- Discuss any variations BEFORE ORDERING
- Discharge pipework must be UPVC Class ‘C’ or ‘D’
- Solvent weld or MDPE pipe black as shown

NOTE:
Inlets can be located to customer requirements!

FOR INFORMATION ONLY
PUMP MAY DIFFER FROM ONE ILLUSTRATED

PUMP SELECTED TO MEET CUSTOMER REQUIREMENTS

Access Frame & Cover with Clear Opening of 450mm x 600mm
5 tonne GLVW supplied

Vent Pipe If Required (supplied capped)

600 mm Clear Opening
450 mm Clear Opening

38 tonne, double sealed, lockable, recessed covers available.
PUMPOMATIC 100
Packaged Sewage Pumping System

Access Frame & Cover with Clear Opening of 450mm x 600mm
5 tonne GLVW

Lifting Chain on Retaining Hook

Swing Check Valve

Discharge Spigot

1.5” dia Cable Duct

Discharge

Quick Release Coupling

Flexible Hose

GRP Housing

110 mm dia Inlet

Discharge pipework must be UPVC Class ‘C’ or ‘D’ Solvent weld or MDPE pipe black

Submersible Pump

NOTE:
Inlets can be located to customer requirements!

FOR INFORMATION ONLY
PUMP MAY DIFFER FROM ILLUSTRATED

Extra Connection fitted for Vent Pipe

PUMP SELECTED TO MEET CUSTOMER REQUIREMENTS

Tank INVERT & DISCHARGE are set at a STANDARD HEIGHT
Discuss any variations BEFORE ORDERING

Discharge pipework must be UPVC Class ‘C’ or ‘D’ Solvent weld or MDPE pipe black

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
**PUMPOMATIC 125**
Packaged Sewage Pumping System

SECTION A-A

- **Cable Duct**
  - Size: 83 mm
- **Access Frame & Cover with**
  - Clear Opening of 600 x 600
  - 5 Tonne GLVW
- **38 tonne, double sealed, lockable,**
  - recessed covers available.

**Tank INVERT & DISCHARGE**
are set at a
**STANDARD HEIGHT**
Discuss any variations
**BEFORE ORDERING**

Discharge pipework must be UPVC Class ‘C’ or ‘D’
Solvent weld or MDPE pipe black as shown

**NOTE:**
Inlets can be located to customer requirements!

**For Information Only**
Pump may differ from one illustrated

**SECTIONAL PLAN OF GRP TANK**

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.

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Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
PUMPMATIC 200
Packaged Sewage Pumping System

SECTION A-A

Cable Duct
83 mm

Access Frame & Cover
with Clear Opening of
600 x 600 5 Tonne
GLVW

38 tonne, double
sealed, lockable,
recessed covers
available.

Tank INVERT & DISCHARGE
are set at a
STANDARD HEIGHT
Discuss any variations
BEFORE ORDERING
Discharge pipework must
be UPVC Class ‘C’ or ‘D’
Solvent weld or MDPE pipe
black as shown

NOTE:
Inlets can be
located to
customer
requirements!

Pump Selected
to meet
Customer
Requirements

FOR INFORMATION
ONLY
PUMP MAY DIFFER
FROM ONE
ILLUSTRATED

Discharge Spigot

Inlet
Size as required

Submersible
Sewage Pump

Pump on Self Locating
Quick Release couplings

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.

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Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
PUMPMATIC 300
Packaged Sewage Pumping System

SECTION A-A

NOTE:
Inlets can be located to customer requirements!

Inlet Size as required

Access Frame & Cover with Clear Opening of 1000 x 775
5 Tonne GLVW
38 tonne, double sealed, lockable, recessed covers available.

Discharge Spigot

Level Control Floats

Submersible Sewage Pumps

Pumps on Self Locating Quick Release couplings

TOP GUIDE MOUNTING BRACKET FOR INSTALLING AND REMOVING PUMPS

Internal Ø 1250 mm

SECTIONAL PLAN OF GRP TANK

Due to a policy of continuous product improvement we reserve the right to alter specifications without notice.

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Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
Pump Technology Ltd can supply any control panel to meet the customers specification.

We can offer single to multiple pump controls, GSM or landline telemetry, ATEX rated, battery backup and hour run meters.

Reliable and cost-effective control system for the arduous and turbulent conditions encountered in COMMERCIAL APPLICATIONS.

- Simple installation from outside of sump
- Easy visibility of start and stop points
- Unaffected by fat, grease, debris and foam
- Excellent in turbulent sumps
- Safe, low sensing voltage

EXAMPLE OF A DUAL PUMP CONTROL PANEL OPERATION

SYSTEM OPERATION

The system controls the level into the storage tank automatically via the non-mercury operated float switches.

**Assist Start Float** is set to the level at which the second pump is required to start.

**High Level Float** is set to the level at which the alarm is required to give warnings of potential flood conditions. This should be set at the level of the INLET to maximise the tank capacity.

**Duty Start Float** is set to the level at which the first pump is required to start.

**Stop Float** is set to the level at which the pumps are required to stop. This must be set above the volute of the pump.
HIGH LEVEL ALARMS for
SEWAGE & WASTE WATER
PUMPING SYSTEMS

These units are designed for connection to a 240V supply circuit.
The alarm buzzer has a minimum volume of 80 dBA (at 1m distance).
A rechargeable battery is fitted in case of mains electricity supply failure.

PTL1A (SIDE MOUNTED FLOAT) USED WITH A FLOOR MOUNTED WASTE WATER SYSTEM e.g. DRAINMINOR DRAINMAJOR
The float mechanism provided must be attached through the side of the GRP tank and positioned in an area away from the inverts from sinks, dishwashers, glasswashers etc. to prevent ingress of water inadvertently actuating the horizontal float switch mechanism.

PTL1B (TOP MOUNTED FLOAT) USED WITH A FLOOR MOUNTED WASTE WATER SYSTEM e.g. DRAINMASTER.
The float mechanism provided must be attached through the indent point situated under the end cover on the top of the tank.

PTL1C (NON MERCURY SWITCH FLOAT) USED WITH BELOW GROUND SEWAGE OR WASTE WATER PUMPING SYSTEM e.g. PUMPMATIC.
A float and weight is provided to activate the High Level Alarm. We recommend that the float is securely attached to the discharge pipework at a higher level than the activation level of the automatic float switch of the pump.

PTL1D (REMOTE ALARM) USED WITH FLOOR MOUNTED SEWAGE SYSTEMS e.g. EFFLU MAXI, EFFLU MIDI
These systems have volt free contacts on both the single and dual pump versions. They are designed to be wired into the main Control Panel of Pump Technology Floor Mounted Waste Water and Sewage Pumping Systems.

NOTE: These High Level Alarms require their own DEDICATED power supply and MUST NOT be powered from the same source as the pump/s.
HAND PUMPS

Our Hand Pump selection is for both water and diesel, and a range of 12v and 24v low voltage submersible pumps / inline Pumps. We’re also specialists in pressure testing hand pumps (25100 Bar).

Hand Pump: Manual

- Rotary – Semi Rotary – Diaphragm
- Water
- Salt Water
- Barrel / Drum
- Diesel
- Chemicals
- Pressure Testing
- Site Pumps
- Low Voltage Transfer Pumps (12v +240)
- Water
- Diesel (NOT Petrol)

IN-LINE STRAINERS

Suitable for DRAINMASTER, DRAINMAJOR and DRAINING Waste Water Pumping Systems with Cleaners' Sinks and Hairdressers Hand basins. (Not suitable for Kitchen Sinks with grease)

SPECIFICATIONS

Strainers have 1½" BSP female threaded connections to which are fitted plastic to male iron adaptors for solvent weld 1½" plastic waste pipe.

Filter screens are 20 mesh stainless steel which are easily removable for cleaning.

INSTALLATION

Install the line strainer on the inlet side of the pump. The arrow moulded in the strainer cap indicates flow of liquid.
CHARCOVENT & MICROVENT

The SOLUTION when it is not possible to “Vent to Air”

Carbon/Charcoal Filter-Breather Systems for venting Pump Technology Ltd. Waste Water and Sewage Pumping Systems where a vent to atmosphere is not possible (all pumping systems require a vent).

Both CHARCOVENT and MICROVENT contain an Activated Carbon Filter with highly absorptive powers ideal for removing unpleasant odours and gaseous contaminants from an air stream and also allow two way air passage to enable the pump unit to breathe.

NOTE:
CHARCOVENT and MICROVENT should be fitted at the same height or higher than the highest point of the discharge pipework. Where possible vent unit into Ceiling Void, or similar.

The CHARCOVENT should be fitted to tank using 1¼” pipework and a tank connector positioned through the side of the tank NOT THE LID - as high as possible from the base of the unit.

CHARCOVENT

For Waste Water Pumping Systems WITHOUT VERY HOT WATER

MICROVENT

For Waste Water (VERY HOT) and Sewage Pumping Systems

MICROVENT should be used with:

a) Waste Water Pumping Systems where waste water is EXTREMELY HOT i.e Commercial Dishwashers, Glasswashers etc. (connect to minimum 2” pipework)

b) With Floor Mounted Sewage Pumping Systems e.g. EFFLU MIDI, EFFLU MACRO & EFFLU MAXI (connect to minimum 3” pipework)
**FLUSHMASTER** THE ONLY TOILET UNIT THAT CAN :-

- Pump a **DOUBLE LIFT**
- Run HORIZONTALLY first
- Even pump an **UPHILL GRADIENT**

With the FlushMaster you can now fit a toilet almost anywhere.

It can easily discharge via high heads, long pipe runs, multiple bends and double lifts, enabling pipework to be kept hidden out of sight.

This is possible because the **FlushMaster** uses a submersible, open, free flow, vortex impeller pump and not a domestic cutter pump.

**Simple to MAINTAIN and SERVICE**

---

**Pipe Requirements:**
Pipe requirement- DN32, dia 28 ID or DN40, dia 36 ID

**Reliable:**
An open vortex pump impeller with large clearances between pump opening and tank floor make the **FlushMaster** more tolerant of user abuse

**Built-in Alarm:**
An integral, acoustic alarm and volt free connections for coupling to a remote alarm or Building Management Services

**Simple Un-clogging:**
Un-clog the open Vortex impeller without removing the cover. Simply push a screwdriver down onto the head of the motor / pump shaft, reverse the impeller and the clogged item will probably drop free.

**Easy Component replacement:**
All parts can be simply removed and replaced without removing the tank from the toilet

**Multiple Connections:**
Each pump is supplied with a full set of installation connections for direct mounting behind the toilet or mounting behind a partition wall

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**Multiple Uses:**
Suitable for connection to a single toilet, bidet, washbasin or shower (Not a bath or washing machine)

Pump Technology Ltd products are available from stock & your local merchant.

---

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555  Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
BOOSTER PUMPS

Pump Technology can provide pumpsets for a range of services from the SMALL DOMESTIC PROPERTY up to the LARGEST COMMERCIAL APPLICATIONS.
CONSTANT PRESSURE BOOSTER SETS
These units are particularly suitable for:
DOMESTIC, SMALL CIVIL INDUSTRIAL installation and IRRIGATION.
They are noteworthy for their absolute reliability, easy functioning and minimal maintenance.

CONSTRUCTION CHARACTERISTICS
- Multistage centrifugal electric pumps on a vertical axis
- Galvanised steel plate complete with 4 anti-vibration rubber feet
- Suction and delivery manifold in stainless steel AISI 304
- Ball valves on suction and delivery pipe union of each pump
- Check valves on the suction side of each pump
- AISI 304 stainless steel manifold caps
- Radial pressure gauge with shut-off valve
- Inverter Control unit on the delivery of each pump
- Protection Box

NO VOICEMAIL
Talk Directly to our Technical Experts!

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555  Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
In many contemporary shower and wet-rooms a gravity drain is not a feasible solution. In a loft conversion, where room height is constrained, or in a basement waste water outlet is higher than the shower gulley, an alternative system is required.

**The Whale Shower Drain systems provide the solution.**

This electrically powered pump system is quiet and compact. It can be concealed in a stud wall.

### Features and Benefits
- The pump gulley requires a minimal installation depth of only 35mm
- Quiet operation when running
- Filter free waste system - minimal cleaning required
- Valves integral to the pump prevents odours escaping from the drainage system
- The flow rate of the Shower Drain system automatically adjusts to changes in shower flow rates

### Installations
- Ideal for wet-room applications
- Maximizes vertical space - ideal for loft conversions or other areas with restricted headroom
- Capable of pumping up to the ground floor waste outlet - ideal for basement shower installations
- May be used with conventional shower trays and tiled or vinyl floored wet-rooms
- Compact transformer, control unit and pump - easy to conceal
To minimise gully suction noise the Whale Instant Match pump with Bluetooth Wireless Technology uses a digital signal sent from the Mira Advance Flex Extra shower to automatically adjust the pump speed in relation to the flow rate of the shower. No setup necessary gives plug and play operation.

- No physical link required between Instant Match and Mira Advance Flex Extra Wireless
- Wireless control
- Shower automatically turns off in the event of power failure to the pump
- Quiet gully
- Simple pairing of pump with shower

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E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
GREASE MANAGEMENT

DRAIN DOSING

Our automatic dosing pump is the essential partner for your grease trap. It allows you to continuously and evenly dispense our biological dosing fluid (sold separately) into your trap over a 24/7 period meaning that your trap is always performing at its best!

CALL US ON 0118 9821555 for assistance with all of your GREASE MANAGEMENT PROBLEMS

Systems available for:

- RESTAURANTS
- HOTELS
- AIRPORTS
- OFFICE BLOCKS
- STADIUMS
- COLLEGES
- HOSPITALS
- & MANY MORE

CAN BE USED IN CONJUNCTION WITH ANY OF OUR FLOOR MOUNTED PUMP UNITS - SEE PAGES 3 - 12

The DrainDoser is best used in CONJUNCTION with a Grease Separator which acts as a point of treatment.

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Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
GREASE MANAGEMENT

PTL GT GREASE SEPARATORS

FEATURES

- Stainless steel epoxy coated grease traps
- Constructed using top grade 304 stainless steel
- Can be used both internally and externally
- Above ground and below ground

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E-mail: support@pumptechnology.co.uk
Web Site: www.pumptechnology.co.uk
When nature calls, it’s good to know that civilisation is near. Cinderella’s incineration toilets are world-class.

They do not require water. They are odourless and environmentally friendly. No handling of waste, only an insignificant quantity of ash remains.

**TYPICAL USES:-**

- Remote Facilities
- Beach Chalets
- Garden Buildings
- Shepherds Huts
- Eco Buildings
- High Cranes
- Construction Sites
- Glamping
- Yurts
PUMP TECHNOLOGY GROUP COMPANIES

PUMP TECHNOLOGY SERVICES LTD
Service for all pump systems

Pegasus Pumps Ltd
Bespoke Tank manufacturing

LeeSan
Marine • Welfare • Leisure
Marine pump out & toilet systems

56 Youngs Industrial Estate, Aldermaston, Berks. RG7 4PW
Tel: 0118 9821555 Fax: 0118 9821666
E-mail: support@pumptechology.co.uk
Web Site: www.pumptechology.co.uk
1. DEFINITIONS
(a) The term 'Company' shall mean Pump Technology Limited and its trading divisions.
(b) The term 'Customer' shall mean any person, firm or company who purchases goods or services from the Company.

2. CONDITIONS
These conditions apply to and are deemed to be incorporated in all orders, contracts, quotations and tenders for the supply and sale of goods or services by the Company.
These conditions supersede any terms and conditions contained in any Customer's order unless otherwise agreed in writing by the company.

3. QUOTATIONS
Quotations are made upon the basis of materials and labour prevailing at the date thereof and are open for acceptance for a period of thirty days from the date of quotation.
A quotation not given within thirty days the quotation may be subject to alteration to take account of increases in costs. In addition the quotation may be withdrawn at any time prior to acceptance in writing. Stenographical errors or clerical errors, if any, are subject to subsequent correction.

4. PUBLISHED PRICES
Orders placed will be charged at prices current at the time of delivery.

5. VALUE ADDED TAX
All prices quoted are exclusive of Value Added Tax.

6. ACCOUNTS
Credit accounts can only be opened at the Company's discretion and subject to satisfactory references being given otherwise remittances must be sent with orders. Where a credit account has been opened goods shall be paid for 30 days from invoice date. The Company reserves the right to set a maximum amount of credit allowable upon each account and to withdraw credit facilities without explanation.
In the event of non-payment in accordance with the credit terms the whole of the price for all goods sold by the Company to the Customer whether under this or any other contract, shall immediately become due and payable and the Company reserves the right at its option to cancel or postpone the further performance of its obligations whether under this or any other contract without prejudice to any other right or remedy available to the Customer.
As signatories to the Better Payment Practice Code we reserve the right to invoke the Customer Statutory interest in accordance with 'The Late Payment of Commercial Debts (Interest) Act 1998', normally 8% above the Reference Rate (Bank of England Base Rate), until payment is made in full. See www.payontime.co.uk

7. DESCRIPTION AND QUALITY
Illustrations, descriptions, weights and technical data in any of the Company's catalogues, price lists and statements (written or oral) made by any representative of the Company are provided to give customers an approximate picture and description only and do not form the basis of any contractual liability.

8. GUARANTEE
If during the period of twelve calendar months from the date of supply by the Company of any products shall be proved by the customer to the satisfaction of the Company to be defective by reason of faulty design, or defective materials of manufacture, and the

9. TEST AND INSPECTION
Special tests or tests in the presence of the Customer or his representative will be charged to the Customer unless otherwise agreed in writing.
In the event of delay on the Customer's part or his representative's part in attending such tests, after 7 days notice of the place and time of such tests, the tests will proceed in the Customer's absence and shall be deemed to have been carried out in the Customer's presence.

10. PASSING OF PROPERTY AND RISK
(a) The risk in the goods shall pass to the Customer on delivery.
(b) Title to the goods shall remain vested in the Company after delivery until payment of all sums (whether arising out of this or any other contract) has been made in full to the Company.
(c) As long as title in the goods remains vested in the Company and the goods are in possession or under the control of the Customer, the following provisions will apply:
   i) The Customer may (unless otherwise notified in writing by the Company) use, sell or otherwise deal with the goods in the ordinary course of business.
   ii) The Customer shall separately store and keep clearly identified the goods from other goods.
   iii) The Company may at any time on giving prior notice enter the premises of the Customer for the purpose of inspecting and identifying the goods and the Customer irrevocably authorises the Company to enter upon its premises for that purpose.
   iv) The Company may at any time revoke the Customer's powers in i) above by notice to the Customer if the Customer is in default for longer than 7 days in the payment of any sum whatsoever due to the Company under this or any other contract or if the Company has bona fide doubts as to the solvency of the Customer.
   v) The Customer's powers in i) above shall automatically cease if a receiver is appointed over any assets of the undertaking of the Customer or a winding up order is made against the Customer or the Customer goes into voluntary liquidation (otherwise than for the purpose of reconstruction or amalgamation) or calls a meeting of, or makes any arrangement or composition with creditors or commits any act of bankruptcy.
   vi) Upon determination of the Customer's powers in i) above the Customer shall place the goods at the disposal of the Company who shall be entitled to enter upon any premises of the Customer for the purpose of removing such goods from the premises (including severance from realty where necessary).
   vii) If goods are returned or repossessed in accordance with foregoing provisions the Company shall repay to the Customer any sums received from the Customer in part payment of the price of the goods up to a maximum amount equal to the current market value of the goods based on their condition at the time of return or repossession and after deducting all costs and expenses of the Company in having the goods returned or repossessed and subject also to any right of set off the Company may have in respect of other sums owing by the Customer to the Company.

11. DELIVERY
Dates quoted for delivery are approximate only and in this respect time shall not be of the essence of the contract. It shall suffice for the Company to deliver within a reasonable time of the date of delivery quoted, regard being had to all the surrounding circumstances.
Where the Company offers delivery to a site nominated by the Customer, then its obligations shall be to deliver as near to the site as a safe hard road permits. The Customer shall provide free of charge any labour or machinery required for the purpose of unloading, loading or stacking.
In the event of any goods or any packing or container being delivered and deposited, whether on the public highway or elsewhere the Customer shall be responsible for all steps which need to be taken for the protection of persons or property in relation to such goods, packing or container and shall indemnify the Company in respect of all or any
PUMP TECHNOLOGY IS SPECIAL!

- Super FAST Response Times:
  BASIC installations can usually be quoted and Specified in 30 Minutes. More complex Installations still Only take 4 to 5 hours.

- Remember - the more information (details, dimensions, schematics etc.) that we have, the faster and more accurate our quotation.

- For difficult installations, a Pump Technology Ltd. Engineer can make a site visit to advise you.

- Our extensive range and massive stocks enable your project to be completed “ON TIME” and “ON BUDGET”.

Our Service is WELL BEYOND that offered by most other suppliers.

Pick up the phone and give us a try!

Tel: 0118 9821 555 - Fax: 0118 9821 666