

PROFESSIONAL SUPPORT

Technical and cost effective hints for busy Consulting and Contracting professionals

HOW TO SELECT THE CORRECT, FLOOR MOUNTED, WASTE WATER PUMPING SYSTEM

● THE PROBLEM:

Many types of building projects – Coffee chains, fast food outlets, commercial kitchens, offices, schools etc. will require the specification of a below-sink, built-in, floor mounted, waste water pumping system.

However, selecting the correct pumping system to handle what could be hot water, larger solids, light chemicals or high and difficult pump runs, can be crucial to the effective and successful running of many of these business.



● THE SOLUTION:

By following some very simple guidelines it is relatively easy to make the right choice and avoid costly and time consuming problems.

Some decisions to be made - Will the unit be required to:

- Pump high heads or long and complex runs (13m static head)
- Handle food waste or potentially large solids (up to 30 mm)
- Handle hot water – eg from glasswashers or pizza ovens (80 deg C plus)
- Cope with larger amounts of waste water – up to 7.9 l/s
- Fit into a location of limited dimensions – with access for maintenance
- Include an alarm system with BMS connection to warn of blockages.



Alarm

● A “MODULAR” SYSTEM

To cover all of these eventualities, we have developed a clever, “Modular” system which allows a variety of pumps (with appropriate specifications) to be installed into a variety of tanks.

This means that, once we have agreed the details of your requirement, we can quickly customise a system which will do everything you need to fulfil your project requirements.

If you would like to talk to our technical team on **0118 9821 555** to discuss your project, they will be very happy to provide FREE ADVICE to ensure you get the right equipment first time.



New DrainMajor

● SOME EXAMPLES:

Here are some typical products with details, however we would always recommend discussing your requirements with us rather than trying to self select and possibly missing a crucial element of the job.

- **DrainMaster** - Small tank for under sink installations with built in carbon vent.

Tank size 380L x 291W x 320H.

Handles wastewater, max solids size 10mm. Pumps 5 meters vertically, 50 metres horizontally or combination of both.

More ↓

- **DrainMinor:** Staff kitchen facilities and utility rooms.
Tank Size 380L x 292W x 320H.
Handles wastewater, max solids size 10mm. Pumps 5 meters vertically, 50 metres horizontally or combination of both. Light chemical pump option available.
- ***DrainMajor:** Commercial kitchens, drainage of multiple appliances.
Tank size 420L x 420W x 400H
- ***New DrainMajor:** Improved lid design, larger capacity.
For commercial kitchens, drainage of multiple appliances.
Tank size 410L x 410W x 445H.



DrainMinor

- ***DrainMajor Duo:** Duplex DrainMajor, offering duty standby for commercial applications. Features a weir plate to separate pumping chambers. Tank size 715L x 440W x 400H
- ***DrainKing:** Duplex pump operation, automatic cycling of duty pump. Tank size 720L x 720W x 420H.



DrainKing

**A range wastewater pumps can be fitted in the DrainMajor and DrainKing pumping chambers. Typically flows up to 7.9 l/s & heads up to 13m. Pumps suitable for grey water, hot water 80 deg C plus, light chemicals and soft solids of 30mm sphere.*

● Accessories

- **High level Alarms:** An alarm box can be mounted in a convenient position for the alarm to be heard. It can also be connected to a BMS. The alarm is float activated.
- **Carbon Air Filter:** All tanks should be vented, ideally externally to the building. If this is not possible a Pump Technology Microvent carbon filter should be used.
- **In-line Filters:** For applications such as hairdressers, vets or pet stores an inline filter will prevent hair from clogging the pump impeller
- **Control Panels:** A variety of control panels are available. Typically they provide automatic changeover of duty pump, duty standby operation and alarm functions.

● Other Products - Sewage pumping systems

- **FlushMaster:** Domestic / light commercial behind toilet pumping systems
- **EffluMaxi:** Commercial floor mounted sewage pumping systems
- **PumpMatic:** Below ground sewage pumping stations

To discuss your project and requirements and to find out more about all of our products call the Pump Technology Technical Help Team on 01189 821555

Pump Technology Ltd and its Pumping Partners offer nationally:

- The best pump selection for each specific commercial requirement
- Full Installation & commissioning support
- Maintenance & repair contracts nationally.
- CPD's / Product reviews / training