

## DRAINMINOR C (Combi Oven Pump) INSTALLATION & OPERATION

### FEATURES

DRAINMINOR C (Combi Oven Pump) units have been designed to pump hot wastewater from single or multiple combination ovens. A sink or basin can also be connected. The pump will handle hot wastewater up to 60°C, or even higher temperatures for short periods and can deal with up to 10 mm solids. It is capable of pumping 5 metres vertically, 50 metres horizontally or a combination of both.

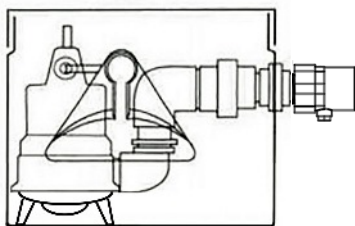
Low level inlets - 70 mm base to centreline.



### INSTALLATION INSTRUCTIONS

#### IMPORTANT:

Check that the pump is correctly positioned and connecting pipework is undamaged as shown below.



1. Lift the lid from the tank and remove all packaging.

2. DRAINMINOR C comes fully assembled, so just check that the pump is correctly positioned and connecting pipework is undamaged.

3. Position the tank in such a way that lid can be removed easily to allow access for tank interior and pump cleaning.

4. Single or multiple inlet connections should be made with tank connectors at the highest possible level from the floor and no lower than 70mm from the centre of the inlet hole to the floor. Inlet connection from the appliance to the tank needs to be in solvent weld or copper pipework rated to suit the temperature of the wastewater and no smaller than the outlet from the appliance. Ensure that the inflow of water is not directed onto the float mechanism.

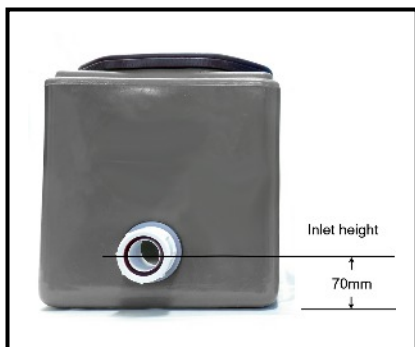
5. Discharge pipework should be in 1¼" (32mm) solvent weld or copper pipework rated to suit the temperature of the waste water connected to the 1¼" BSP

discharge outlet which incorporates a non-return valve. Slow radius bends MUST be used for every change of direction of the discharge pipework.

6. 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.

7. The electrical connection to the supply should be made by a competent person. A 230v N 50 Hz electrical supply is required adjacent to the appliance. Cable from the motor should be passed through the cable gland in the tank and connected to a 230V switched spur outlet. Alternatively a 13A fused plug meeting the requirements of 8S1363 can be used. The pump must be earthed.

- a. The earth wire is striped green and yellow and should be connected to the terminal marked E.
- b. The live wire is brown and should be connected to the terminal marked L.
- c. The neutral wire is blue and should be connected to the terminal marked N.



## DRAINMINOR C (COMBI OVEN PUMP) HOT WASTEWATER PUMPING SYSTEM

Electrical Data								
Pump	Current Type	Voltage Volts	Motor Power		R.P.M. Min -1	F.L.C. Amp	Motor Protection	Plug
			P1	P2				
SL30	1 Phase	230	0.32	0.20	2720	1.4	Incorporated	Safety

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

**QUALITY:** Rigid Polyethylene tank with encapsulated seal and easy-to-remove lid.  
The tank is recyclable.

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

### PUMP Type SL30

Vertical, single-stage, submersible, max. soft solids 10mm  
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 silicon carbide mechanical seal, oil chamber and inboard shaft sealing ring, 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

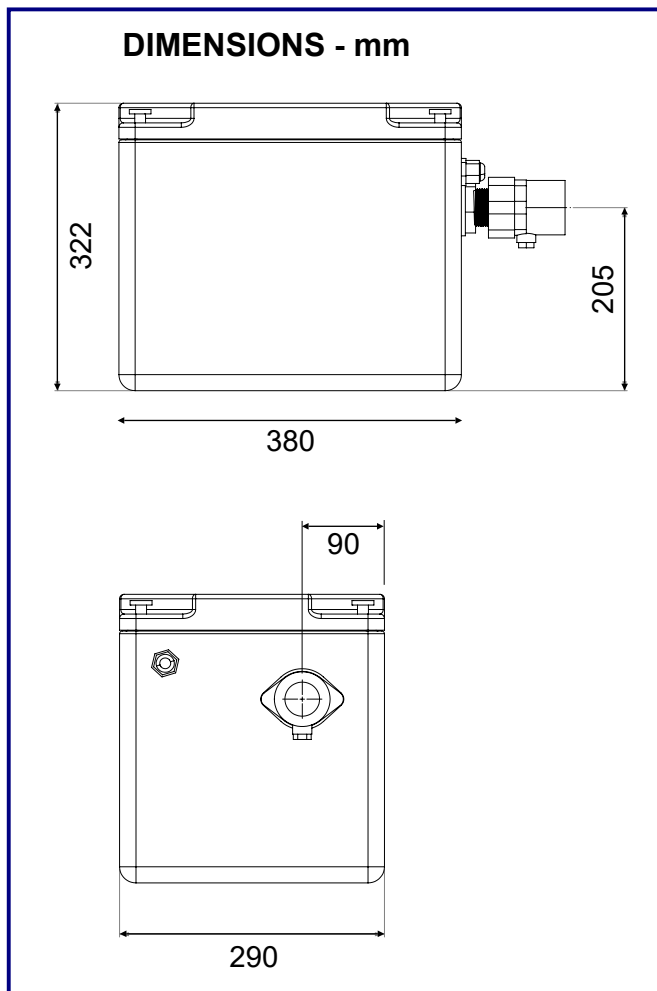
Motor housing in high-grade steel, volute casing, impeller and control head in plastic (GRP), shaft in stainless steel, rubber insulated flexible cable.

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

VENT: An integrated, activated charcoal filter is built into the lid of the unit.

The **DRAINMINOR C** comes complete with a one year warranty. In the unlikely event of technical difficulties, please ring **Pump Technology Ltd. on 0118 9821 555**

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



## DRAINMINOR C INSTALLATION *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 70 mm from base of unit.
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 C** 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.

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

**IF YOU HAVE ANY INSTALLATION QUERIES  
PLEASE TELEPHONE OUR TECHNICAL DEPT.  
BEFORE INSTALLATION.  
0118 9821 555**

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