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EUROPEAN WATERCARE DRAINFLOW SYSTEM



The European WaterCare drain-flow system is a product specially designed to collect and pump away wastewater from combination ovens, at a temperature up to 100 degrees centigrade, from a level as low as 40mm from the floor.

DPSP01 DRAIN PUMP

Please read the installation instructions carefully before commencing with the installation.

This drain-pump is designed for single combination oven use only, for other applications please contact your local distributor.

INSTALLATION INSTRUCTIONS

1. Unpack the contents of the box.
2. Position the drain pump in the area it is to be fitted, so that the inlet position can be ascertained. The inlet can be connected on any of the 4 sides of the holding tank.
3. Drill the desired inlet hole within the holding tank. **THIS IS TO BE DRILLED NO LESS THAN 65mm TO CENTRE FROM THE BASE OF THE UNIT, MAKING SURE THAT THE PRESSURE SWITCH IS NOT DAMAGED.**
4. Remove the pump from the cabinet housing by undoing the 4 nuts at each corner of the pump housing and lifting the pump upwards.
5. Fit the inlet connection and pipe-work to the drain pump.
6. Reassemble the pump back into position and secure it using the 4 nuts removed in section 4
7. Connect the outlet pipe-work (**See notes below**) to the ¾" BSP fitting located near the top of the pump housing and the other end should be fitted to a suitable drain connection or drain up-stand.
8. Connect the electrical cable to either a 13amp plug or preferably a 13amp-fused spur.
9. Ensure that the electrical supply is a maintained supply.
10. Once connected turn the power on, pour water down the drain within the combi oven until an adequate supply of water reaches the pump and activates it.

11.Ensure that there are no water leaks from the newly fitted pump or connecting pipe work.

NB: European WaterCare Ltd recommends that the pipe-work from the outlet should be no more than 15mm and preferably copper piping. It is also recommended that the outlet run of pipe should be as short as possible, maximum 4 meters.

OPERATION

The DPSP01 operates the pump via a pressure switch and a time delay relay. The drain water enters the holding tank and as the water rises it creates pressure within a plastic chamber that activates the pressure switch; the pump will then run until the level of water in the holding lowers adequately enough to de-activate the pressure switch, a time delay relay will then allow the pump to run for a pre-determined time until the holding tank is empty.

FULT FINDING

If the water level within the holding tank extends past the point of activation on the pressure switch and the pump does not run, the unit will overflow. Remove and check the pressure switch by blowing gently into the activation point, the pressure switch should click on then off. If the pressure switch is activating correctly replace the pressure switch and re test the pump by switching the power off and back on, then pouring water down the drain of the combination oven until the pump activates.

The holding tank can be emptied by turning the power off then on until the pump stops running several times until the pump does not work when the power is switched on.

If the pump will not run and the pressure switch is activating please check that the settings below are correct on the time delay relay.

SETTINGS

Time delay relay

First setting .3

Middle setting 1 M

Bottom setting R

NB: Please make sure that the power is turned off before opening the electrical compartment on this drain pump.

SPECIFICATION DATA 113**EWC DRAINFLOW SYSTEM****SYSTEM****DPSP01 SHEET 1 OF 1**

| | | |
|-----------------|---|---|
| CONSTRUCTION | PURPOSE | PUMP AWAY WASTE WATER AND FLUIDS |
| PUMP | OPERATION PUMP CASING PUMP END CASTINGS PUMP IMPELLORS PUMP SHAFT INSULATION CLASS PROTECTION CLASS | CIRCULATION POLYPROPYLENE POLYPROPYLENE POLYPROPYLENE STAINLESS STEEL AISI 416 F IP44 |
| DUTY | PUMP DUTY MAXIMUM TEMPERATURE WORKING TEMPERATURE | CONTINUOUSLY RATED 100 DEGREES CENTIGRADE 80 DEGREES CENTIGRADE |
| ELECTRICAL | PHASE CURRENT MOTOR OUTPUT PUMP SPEED | SINGLE 230 VOLTS 50Hz 2.45 AMPS FLC 0.4 KW 2800 RPM |
| FLOW & PRESSURE | MAXIMUM INPUT FLOW OUTPUT FLOWS BMS HIGH WATER ALARM | 6 LITRES PER MINUTE VERIABLE AVAILABLE ON REQUEST |
| CONTROL | METHOD (PRESSURE SWITCH) | PRESSURE (TRUE OFF TIME DELAY) |
| CABINET | OUTER CASING CAPACITY DIMENSIONS INLET WATER CONNECTION OUTLET WATER CONNECTION | M.D.P.E 20 LITRES 570mm HIGH 202mm WIDE 355mm DEEP DEPENDANT ON APPLICATION (MAX 75mm) 3/4" BSP PLASTIC |

NOTES:

This system works on rising water pressure within the cabinet.

a) As the water level rises within the cabinet and enters the fluted pressure switch the pressure within the switch will reach the pre-set level and activate the pump.

b) The pump will then run for approximatly 5 seconds until the tank is empty.

CLEANING:

It is imperative that the Drainflow System is cleaned thoroughly inside and out on a 3 to 12 month basis, dependant on application. We would recommend that when the Drainflow System is to be used on greasy applications that the unit is cleaned with a strong detergent and rinsed thoroughly on a 3 month basis.

REVISION**DATE****SIGNED**