

# DRAIN PAN PUMP



**Low-Cost Defrost Water Removal from Refrigerated Cases,  
Dehumidifiers, Fan Coils and Air Conditioners**

**Simply Stand the Drain Pan Pump in the Water Collection Tray and Switch On**

*The Green Solution*



## Method of Operation

The DPP Drain Pan Pump contains proven electronic water detectors and a pump which turns on to remove the defrost water from a refrigeration cabinet, or condensate water from an air conditioner or condensate boiler.

When placed into a drain pan and connected to the power supply and a discharge tube, DPP operation is completely automatic and the pump will turn on only when water is present and will stop when the water has been pumped away. Its rubber feet and side bumpers mean the DPP floats quietly just above the floor of the drain pan.

Designed for high-spec low-cost installations, the DPP can replace drain pan heaters, or more expensive pumps, with major savings in running costs. With its electronics and all internal parts totally encapsulated, it is unaffected by being submerged by defrost water dumps and it will remove up to 14 litres/hour.

The water level in the drain pan is continuously measured by a sensitive electronic sensor, and this controls the operation of the pump via the fully-encapsulated circuitry within the rugged plastic housing. Water entry into the pump is from the sensor cell, which is protected from contamination by a large-surface-area grill, designed to keep out loose hairs and particles larger than 1mm.

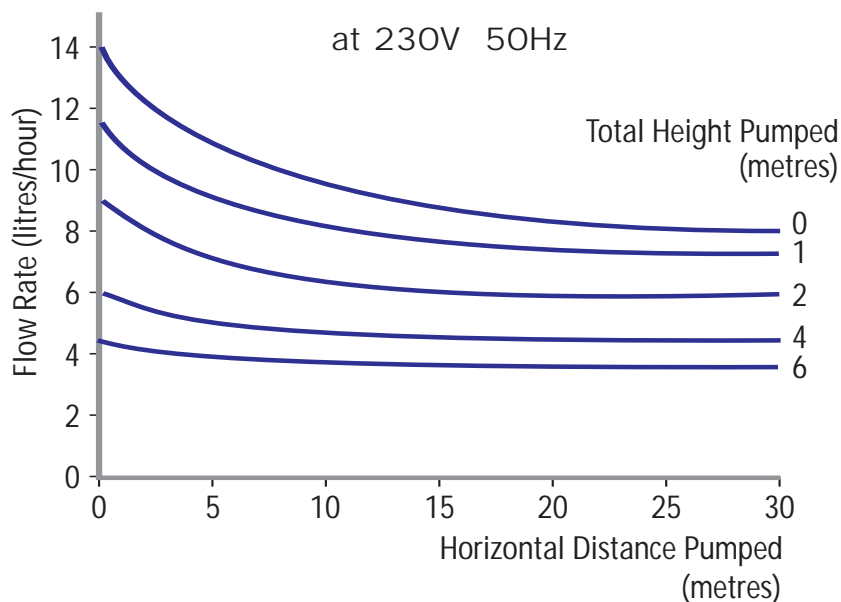
With its small dimensions, low cost and very low energy use, this DPP pump is a beneficial alternative to drain pan heaters. Also, by pumping defrost water away to a drain, instead of evaporating it into the air, it gives further benefits in reduced frequency of defrosting, less temperature cycling, and increased energy efficiency.

In air conditioning installations, the DPP can be used to replace the larger tank pumps with their greater power usage and noisier operation.

## Specification

Power Supply	: 208-240V 50/60Hz : 110-120V 50/60Hz
Power Consumption with Pump Running	: 30W
Power Consumption with Pump Off	: 0.33W
Maximum Water Temperature	: 40°C (100°F)
Maximum Discharge Lift	: 6 metres
Discharge Tube Size	: 6 - 6.35mm / (1/4") i.d.
Index of Protection	: IP67 - Fully Submersible
Dimensions	: 120 (long) x 40 (wide) x 32 (high)
Pumping Capacity - Zero Lift	: 336 litres/day / 76 gallons/day
Supply Cable Length	: 1.5 metres
Thermal Protection Fitted	
Material Flameproof to UL94V-0	

## Capacity



## Installation Simplicity

Simply place on the base of the condensate or defrost water drain pan, connect a 6mm (1/4") plastic tube from the discharge outlet to the drain, and connect the power cable to a suitable supply fused at 3A. When water fills the drain pan to a height of 6-8mm the pump will automatically switch on and pump the water level down to 3-4mm, then switch off. The DPP sits on rubber vibration absorbers, which also prevent vibration transmission from the sides of the pump to the drain pan.



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