

# Aquamat

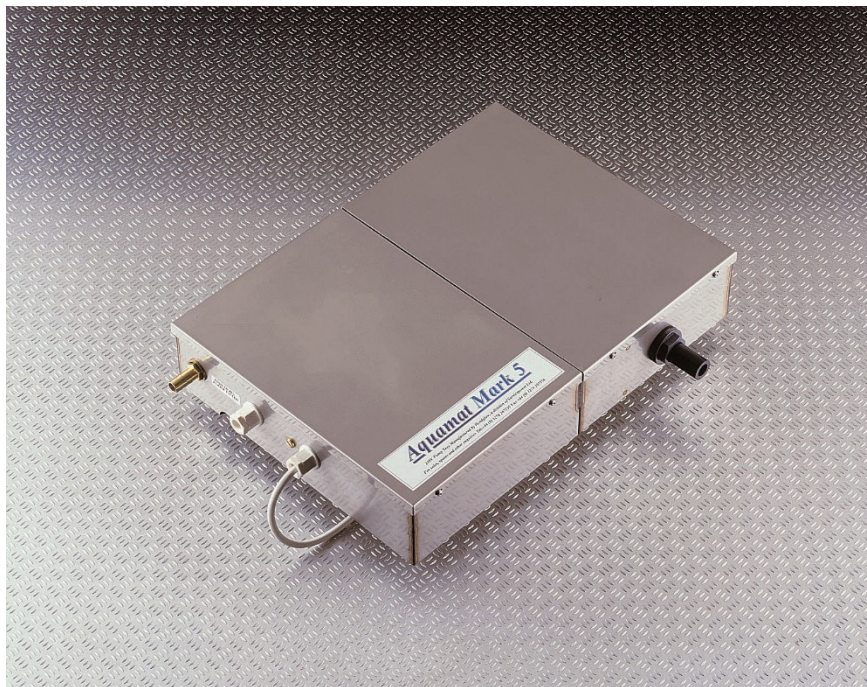
## Condensate Removal Trays

For use under retail display cabinets

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## Aquamat Mark 5

240 volt condensate pump tray



## Operation & Maintenance Manual

Headglow

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# Aquamat mark 5

## Specification

**Tank**      Manufactured from 18swg stainless steel  
Dimensions 435mm x 310mm x 80mm  
Water compartment 215mm x 310mm x 80mm (Capacity 4.5 litres)  
The unit is fitted with a stainless steel lid

**Pump Motor**  
240v 50Hz, 120 watt centrifugal pump with prime bypass.

**Max Head of Drain**  
12 metres

**Pump Capacity**  
4.2 litres/min @12m total head (250 litres/hour).

**Water Connections**  
**Inlet**      20mm plastic tank connector for flexible hose  
**Outlet**    12mm brass connector for ½ inch flexible hose

**Water Level Control**  
Float switch controlling power relay

**Non Return Valve**  
To be fitted remotely

**Alarm**      High Water Level Alarm Contact (N/C)

**Electrical supply**  
240 Volt ac, 50hz mains supply required.  
The unit is fitted with a *non standard* plug top (fused 3 amp) and 1 metre of cable.

## Installation

The unit should be situated on a level surface with attention given to the positioning of the unit and the connecting flexible hoses to ensure that the hoses are not kinked and the unit can be easily accessed for cleaning / maintenance.

Care should be taken not to obstruct the float arm or block the pump inlet.

The water outlets should not be reduced to less than 12mm.

The pump itself priming, on initial switch on the first prime may take to 30 seconds

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## Maintenance & servicing

The **Aquamat Mark 5** is a very reliable unit, which provides excellent service, but is also easily maintained and serviced with the minimum of engineering knowledge. The only maintenance required is cleaning of the tank and filtering grill, the frequency of this maintenance is determined by local conditions. Experience has shown that this varies considerably from site to site.

This pump tray must not be cleaned with concentrated bleach or other aggressive cleaning agents. If such cleaning agents are used within the refrigeration cabinet they should be pre-diluted. **Always** flush the system through with several litres of water after cleaning.

Corrosion damage to any part of the pump tray caused by aggressive cleaning agents is not covered by the warranty.

**Note: failure of the unit is usually attributable to a build-up of debris within the pump tray or kinks/blockages in the pipe work.**

## Troubleshooting

**WARNING: DO NOT RUN THE PUMP DRY AS THIS WILL CAUSE DAMAGE**

<b><u>Problem</u></b> Pump fails to operate on rising water level	1	<b><u>ACTION</u></b> Disconnect the unit from electrical supply
<b><u>CAUSE</u></b> Debris preventing float switch movement	2	Check that the float arm on the switch is not jammed
<b><u>CAUSE</u></b> Internal fuse failure	3	Check the 5A fuse within the unit
<b><u>CAUSE</u></b> Loose connection	4	Check the relay and terminal block connections.

<b><u>Problem</u></b> If the tray fails to stop operating	1	<b><u>ACTION</u></b> Disconnect the unit from electrical supply
<b><u>CAUSE</u></b> Debris preventing float switch movement	2	Check that the float arm on the switch is not jammed

<b><u>Problem</u></b> If the motor 'short cycles' i.e. stops and starts every 30 seconds	1	<b><u>ACTION</u></b> Disconnect the unit from the electrical supply
<b><u>CAUSE</u></b> Debris blocking non-return valve	2	Check that the non-return valve is clear.

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## Warranty

All units undergo a thorough testing procedure prior to leaving the works.  
A 12 month warranty is provided, subject to correct maintenance procedure.

## After sales – spares

### Spare parts

Code	Description
AM104	Aquamat Mark 5, Pump Tray
AM111	230 Volt Pump Motor
AM128	Plastic Tank Connector
AM139	Plastic Float Switch
AM141	PCB (complete with Relay)
AM241	Brass Elbow
AM501	Plug Top 13A, Non Standard

Most items are available from stock for next day delivery

For prices and ordering please call the sales department on 01274 207555

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By

## Headglow

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