

Aquamat

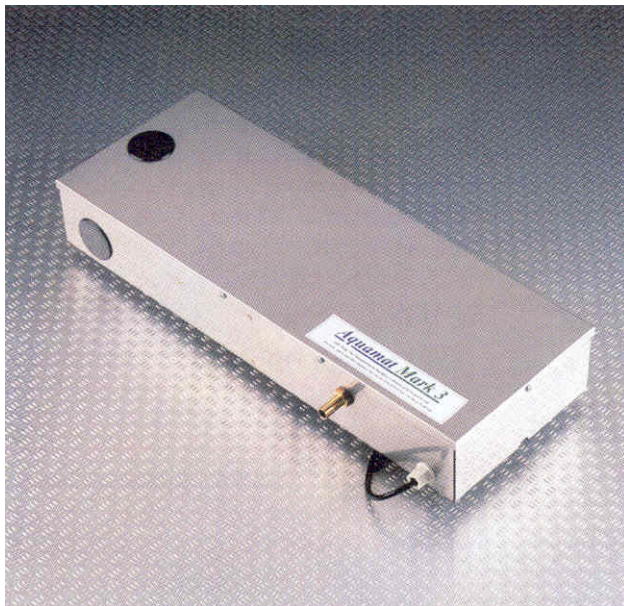
Condensate Removal Trays

For use under retail display cabinets

+44 (0)1274 207555

Aquamat Mark 3 / 3A

230 volt condensate pump tray



Operation & maintenance manual

Headglow

Rosse Works, Moorhead Lane, Shipley BD18 4JH

Tel: 01274 207555

Fax 01274 207556

www.headglow.co.uk

sales@headglow.co.uk

Aquamark Mark 3 / 3A

| | | |
|--|--|----------------------|
| Tank | Manufactured from 20 SWG 304 Stainless Steel. | |
| Dimensions | Overall | 620mm x 235mm x 80mm |
| | Water compartment | 6 Litres |
| Access | The unit is fitted with two separate stainless steel lids, one for clear access (clearly marked), one for engineer service access only. | |
| Max head of Drain | 12 metres | |
| Pump capacity | 4.2 litres/min @ 12m total head (250 litres/hour.) | |
| | 8.3 litres/min @ 0m total head (500 litres/hour.) | |
| Inlets | 2x1" plus 1x2" in the side and 1x2" in the lid for top entry. (sealed with blind grommets in factory) | |
| Outlets | 12mm for flexible hose | |
| Water Level Control | Float switch controlling power relay | |
| Optional High Level Alarm (Fitted to model AM103A) | Float switch controlling relay (normally open contacts.) | |
| Non return valve | Fitted within control compartment. | |
| Electrical Supply | 230 Volt AC, 50Hz mains supply required. | |
| | The unit is fitted with a main plug (fused 5 Amp) and 2 metres of mains cable | |
| Approvals | The unit is certified by an independent test house to comply with the Low Voltage and EMC directives and is therefore fully CE compliant | |

Installation

The unit should be situated on a level surface with attention given to the positioning of the unit and the connection 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 outlet should not be reduced to less than 12mm.

The Pump is self-priming, on initial switch on the first prime may take up to 30 seconds.

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Maintenance & Servicing

The Aquamat Mark 3 is a very reliable unit, which provide excellent service, but is also easily maintained and serviced with the minimum of engineering knowledge.

The only maintenance required is periodic cleaning of the tank and filtering grill, the frequency of this maintenance is determined by local conditions. Failure to clean the unit correctly will result in reduced service life and may invalidate the warranty.

The pump tray must not be cleaned with concentrated bleach or other aggressive cleaning agents. If such cleaning agents are used they must be pre-diluted, always flush the system through with several litres of water after cleaning to prevent possible corrosion damage.

Note: Failure of the unit is usually attributable to a buildup of debris within the pump tray or kinks/blockages in the pipework.

Troubleshooting

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

| <u>PROBLEM</u> | | <u>ACTION</u> |
|---|---|--|
| Pump fails to operate on rising water level | 1 | Disconnect the unit from electrical supply |
| <u>CAUSE</u> | | |
| Debris preventing float switch movement | 2 | Check that the float arm on the switch is not jammed |
| <u>CAUSE</u> | | |
| Loose connection | 3 | Check the terminal block connections |
| <u>CAUSE</u> | | |
| Float switch failure | 4 | Check float switch closes contact when raised to horizontal position |
| <u>CAUSE</u> | | |
| Motor burnt out. (running dry.) | 5 | Check pump motor and replace if necessary |

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

| <u>PROBLEM</u> | | <u>ACTION</u> |
|--|---|--|
| If the motor 'short cycles' i.e. stops and starts every 30 seconds | 1 | Disconnect the unit from the electrical supply |
| <u>CAUSE</u> | | |
| 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

Spares

Spare / Replacement Parts

| Code | Description |
|--------|--|
| AM103 | Complete Aquamat Mark 3, Pump Tray |
| AM103A | Complete Aquamat Mark 3, Pump Tray <i>with high level alarm.</i> |
| AM111 | 240 Volt Pump Motor |
| AM123 | Non-Return Valve |
| AM127 | Jubilee Clip (Modified) |
| AM128 | Plastic Tank Connector |
| AM136 | Wire Mesh |
| AM139 | Plastic Float Switch |
| AM142 | PCB (for Mark 3 complete with Pump Relay only) |
| AM142A | PCB (for Mark 3A with High Level Alarm Relay) |
| AM241 | Brass Elbow |

All spares are normally available ex-stock for next day delivery if ordered by 4pm.

For prices and ordering, please call the Sales Department on 01274 207555

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by

HEADGLOW

Tel: 01274 207555

Fax: 01274 207556

Servicepower Ltd. T/A Headglow
Rosse Works, Moorhead Lane, Shipley BD18 4JH