

Aquamat

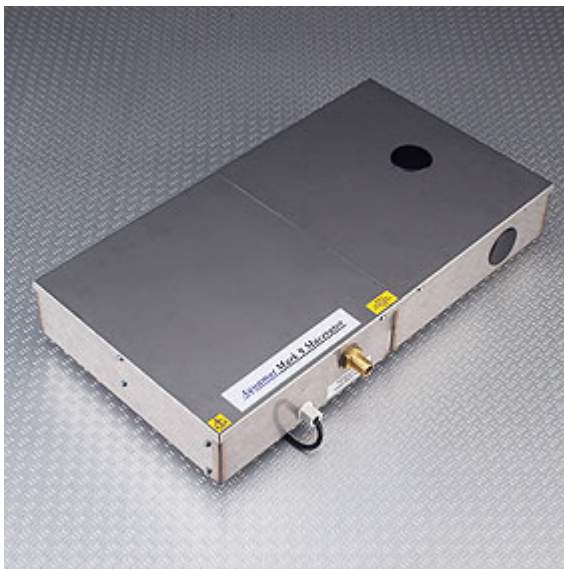
Condensate Removal Trays

For use under retail display cabinets

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Aquamat Mark 9

230 Volt Macerator Condensate Pump Tray



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Aquamat Mark 9

Tank	Manufactured from 20 SWG 304 Stainless Steel.	
Dimensions	Overall	610mm x 330mm x 92mm
	Water compartment	6 litres
Access	The unit is fitted with two separate stainless steel lids, one for cleaning access, one for engineer service access only.	
Pump Motor	24VDC, self-priming Macerator pump with run-dry protection. (see separate ITT Jabsco manual enclosed in tray).	
Max Head of Drain	6 metres	
Pump Capacity	4.2 litres/min @ 6m total head (250 litres/hour.)	
	8.3 litres/min @ 0m total head (500 litres/hour.)	
Inlets	2 x 1" in the side and 2 x 2" in the lid for top entry. (sealed with blind grommets in factory)	
Outlet	20mm for ¾" flexible hose	
Water Level Control	Float switch controlling power relay	
Non Return Valve	Fitted within control compartment	
Electrical Supply	230 Volt AC, 50 Hz mains supply required.	
	A 24DC power supply is incorporated within the unit.	
	The unit is fitted with a mains plug (fused 5 Amp) And 2 metres of mains cable.	
Approvals	The unit is CE compliant.	

Installation

The unit should be situated on a level horizontal 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 outlet should not be reduced to less than 20mm.

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Maintenance & Servicing

The **Aquamat Mark 9** 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 periodic cleaning of the tank, the frequency of the maintenance is determined by local conditions. Failure to clean the unit correctly will result in reduced service life and may invalidate the warranty.

Although the pump is a macerator attention should be paid to the separate ITT Jabsco manual and the types of item that the unit cannot handle.

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 build up of debris within the pump tray or kinks/blockages in the pipe work.

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

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

PROBLEM		ACTION
If the motor 'short cycles' i.e. stops and starts every 30 seconds	1	Disconnect the unit from the electrical supply
CAUSE		
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
AM109	Complete <i>Aquamat Mark 9</i>, Pump Tray
AM116	24 Volt Macerator Pump Motor
AM117	24VDC internal power supply
AM927	¾" Non-Return Valve
AM131	1" Jubilee Clip
AM268	1 ½" Plastic Tank Connector
AM139	Plastic Float Switch
AM135	24V, 8 pin plug-in 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

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