Filtering

The filter fitted is to prevent large debris such as fibers, scale and slime from blocking the pump mechanism and tubes. The filter is removable and washable. It extends the life of the pump and should be carefully fitted (fig. 10). On sealed and filtered air flow systems in clean environments, where clean condensate is produced, the filter may be removed providing the system is flushed through first. If in doubt keep the filter fitted.

Troubleshooting

Pump Not Operating or operating intermittently:
- Check Supply Fuse.
- Check the filter (see inspection and maintenance).
- Check Discharge tube for blockages.
- Check Tube connections are secure and water tight.
- See Note 2

Water Overflowing or Leaking:
- Check the pump is secure and level.
- Check Discharge tube for blockages.
- Check Tube connections are secure and water tight.
- Check Supply Fuse.
- Check the filter (see inspection and maintenance).

Note 2. The pump motor is protected by an automatic self re-setting thermal overload. This will cause the pump to stop if the discharge tube is blocked or debris built up on the sensor plates causing the pump to pump air. Shut Off power for 30 minutes to allow to cool. Perform full service routine and test. If problems still occur, Replace complete Pump.

Auxiliary Parts

- MCP.0084.0 Replacement Filter Sponge
- MCP.0083.0 MicroPump II Acoustic Control Jacket for the most sensitive applications
- ACC.0056.0 Anti-siphone Valve (see fig. 7)
- ACC.0059.0 6mm Discharge Tubing 30m coil

Warranty

This product is guaranteed for two years to be free from manufacturing defects or faulty materials. If it should fail for either of these reasons within two years from the date of manufacture it will be replaced or repaired free of charge, at the option of EDC International Limited.

EDC International Limited can accept no liability whatsoever for any loss or damage arising from the use of this product, however caused. Before using this product the user should satisfy himself that the product is suitable for use in the intended application, and for the manner in which it is intended to be used. Note that the warranty on this product is void if it has been blocked by dirt or if any part has been mechanically damaged. This product is subject to continuous development and improvement and EDC International Limited reserves the right to alter the specifications or design without prior notice.

Operation and Maintenance guide

For Installation and Service Engineers

The installation of this product is to be carried out by Competent Engineers.

READ THIS BOOKLET before installation of this product.

Retain this booklet as it contains important information for the safe and proper use of this product.

All electrical wiring must comply with all National and Local Electrical Codes.

This product complies with the European Directive on Low Voltage Safety, and contains components designed to promote compliance with the European EMC Directive.

Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply:</th>
<th>Cable Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Euro: MCP.2000.0 230V 50/60Hz 30W</td>
<td>1.0 M /3/4” - 0.75mm²</td>
<td></td>
</tr>
<tr>
<td>US: MCP.2000.1 208-240V 60Hz 30W</td>
<td>3/4” - 18 AWG</td>
<td></td>
</tr>
<tr>
<td>US: MCP.2000.2 110-120V 60Hz 30W</td>
<td>3/4” - 18 AWG</td>
<td></td>
</tr>
</tbody>
</table>

Relay: 5A 250V, Break on Alarm.
Protection: IP20
Operating Temperature: Air 50°C / 122°F max, Water 25°C / 77°F max
Discharge Capacity: See Graph
Max Tube Length: 100 metres / 330 ft
Thermal Protection: Auto-reset at 55°C / 131°F
Pump Switching Levels: On 17 mm / 9/32”, Off 12 mm / 1/2”
Alarm Level *1: 19 mm / 3/4”
*1. Level must be above for 15 seconds to trigger alarm.

Fig. 2 Capacity Chart

<table>
<thead>
<tr>
<th>Liters/Hour</th>
<th>US Gal/Hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>0.5</td>
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<tr>
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<tr>
<td>14</td>
<td>3.5</td>
</tr>
<tr>
<td>16</td>
<td>4.0</td>
</tr>
</tbody>
</table>

ALARM LEVEL*1

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Inspection and Maintenance

Evaporator / Coil Cleaning.

Inspect the filter for sediment and debris. When handling pump during inspection and maintenance, keep Pump Assembly reasonably upright and level to prevent any water spills from entering the pump.

If cleaning is required, disconnect the filter housing by rotating 80° Counter clockwise and carefully separate (fig.9). Inside of the Sensor chamber check for debris between the sensor plates . Clean gently with a soft cloth or Q-tip (fig.11). Do not scratch sensitive surfaces.

Inside of the Sensor chamber check for debris between the sensor plates . Clean gently with a soft cloth or Q-tip (fig.11). Do not scratch sensitive surfaces.

Inspect the inlet tube for dirt and blockages and clean if required. Carefully pour clean water into the pump assembly, ensuring it remains upright and level to prevent water spillage.

Inspect the discharge tube for blockages and kinks. Inspect the Breather tube for positioning and obstructions.

When using evaporator cleaning agents, drain discharged liquid into a separate container and flush with clean water. Do not allow cleaning agents and dirt to drain into Pump.

Inspect the Breather tube for blockages and kinks. Clean the sealing surface and re-assemble the Filter chamber onto the pump. Inspect the discharge tube for blockages and kinks.

Testing

On new installations, flush installation debris through condensate system into a bucket, before connecting the pump. If possible carefully pour clean water via the condensate collection tray to check also the water drain route.

Use a wash bottle if possible as these are more controllable.

The pump should begin to pump until all, but approximately 12mm / 1/2" of water is left remaining.