Ultrasonic Mist Generator
Model : M-050

Technical Specification

Revision : 01

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M-050  -  Ultrasonic Mist Generator

General Feature :
- Construction with Chrome plating on copper material.
- High mist production capacity up to 1500mL/hr.
- Durable ultrasonic humidifying module with energy saving.
- Minimum water level shut down control.

Detail Specifications :

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage ( Mist Generator )</td>
<td>36Vac, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>150W maximum</td>
</tr>
<tr>
<td>Output Mist Capacity</td>
<td>1500mL/hr maximum</td>
</tr>
<tr>
<td>Particle size</td>
<td>4~5 microns</td>
</tr>
<tr>
<td>Indication</td>
<td>LED Operating indication.</td>
</tr>
<tr>
<td>Overload Protection</td>
<td>Thermal overload</td>
</tr>
<tr>
<td>Water level control</td>
<td>Minimum water level control.</td>
</tr>
<tr>
<td>Ultrasonic Frequency</td>
<td>1.7MHz</td>
</tr>
<tr>
<td>Ceramic disc</td>
<td>Diameter 20mm with titanium coating</td>
</tr>
<tr>
<td>Input Voltage (Power Supply Unit )</td>
<td>220~230Vac, 50/60Hz</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 ~ 50 °C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0 ~ 80%</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Diameter 85mm x 30mm (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5kg</td>
</tr>
</tbody>
</table>

Operating Procedure :
1) Before using the mist generator, it should be installed on a stable and rigid mounting frame.
2) Connect the power line from the mains to the mist generator. Be sure the line voltage should be 220V ~ 230Vac ±10%, 50/60Hz or equivalent to the specified voltage rating stated on the power supply unit.
3) Pour clean water into the container (not included) until the water level is over the water level sensor of around 10mm ~ 20mm. (Don’t too depth of water level which will affect the mist generation effect.)
4) Switch on the power and a LED indication on water level sensor is light on.

Safety Precaution and Maintenance :
1) Read all the operating instructions before use the products.
2) Do not try to dismantle the power supply unit and mist generator during operation.
3) To ensure the mist generator working at specified rated voltage.
4) Don’t replace the power supply unit with another one if the power supply specification is different from the original.
5) The power supply unit should not be placed and operated in a high humidity environment.
6) Check the plug and socket connection between mist generator and power supply unit without loosen or damage.
7) Periodically cleaning up all the dust condenses on the ceramic disc with using soft cloth or cotton stick. Don’t scratch the disc.
8) After operating for a period of around 3000 hours, the mist generation will be reduced. At this time, please replace a new ceramic disc with using a special tools provided from us. Please perform the replacement as per following steps.
   - Unplug the unit and remove the mist generator from the water.
   - Unscrew the locking ring with using the special tool.
   - Remove the ceramic disc from the mist generator.
   - Replace a new one. **Be sure the installation of ceramic disc should be in correct orientation. A black color ring on ceramic disc should be face up.**
   - Ensure no water inside and wind up the locking ring again.
   - Check the installation of locking ring and ceramic disc to ensure a proper replacement.
9) Periodically cleaning up the water tank (not included) to ensure the water quality.
10) The mist generator is subjected to be used with the soft water supply for the purpose to reduce or prevent the mineral material condensation after distillation of water.
11) To avoid damage the mist generator, never place it on an unstable stand or subject to a vibration environment.
12) The water level sensor should not be stressed, scratched or damage by all means.

We reserve the right to modify and change the specifications to improve or up-grade our products performance without priority notification.