Industrial Ultrasonic Humidifier

UPH-3000 – Series

Technical Specification

Revision : 01

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UPH-3000  -  Industrial Ultrasonic Humidifier

General Feature :
- Construction with #304 stainless steel material.
- High fog production capacity up to 3000mL/hr.
- Durable ultrasonic humidifying module with energy saving.
- Remote control is possible.
- Automatic water re-filling with water level control.
- Automatic shut down as minimum water level.
- Equipped with UV-C lamp to sterilizing the water.

Detail Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>48Vac OR 110 ~ 120Vac OR 220V~240Vac, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>300W</td>
</tr>
<tr>
<td>Output Humidity Capacity</td>
<td>3000mL/hr maximum</td>
</tr>
<tr>
<td>Indication</td>
<td>Power indication, Sterilizing Indication. ( Optional )</td>
</tr>
<tr>
<td></td>
<td>Low water level indication.</td>
</tr>
<tr>
<td>Overload Protection</td>
<td>Thermal overload, Over Current Fuse, Fan cooling</td>
</tr>
<tr>
<td>Water Valve</td>
<td>- Brass material, stainless steel ( Optional )</td>
</tr>
<tr>
<td></td>
<td>- 1/4&quot; pipe thread</td>
</tr>
<tr>
<td></td>
<td>- 24Vac, 50/60Hz</td>
</tr>
<tr>
<td>UV-C Lamp</td>
<td>Power consumption : 9W</td>
</tr>
<tr>
<td>Water level control</td>
<td>- Float switch : High water level</td>
</tr>
<tr>
<td></td>
<td>- Float switch : Low water level</td>
</tr>
<tr>
<td></td>
<td>- Float switch : Minimum water level.</td>
</tr>
<tr>
<td>Air Flow Rate</td>
<td>50m³/hr</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Dry contact, NO</td>
</tr>
<tr>
<td>Power Control</td>
<td>Potentiometer / Selector switch</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 ~ 50℃</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0 ~ 80%</td>
</tr>
<tr>
<td>Dimensions</td>
<td>350mm (L) x 130mm (W) x 340mm (H) ( tank size )</td>
</tr>
<tr>
<td>Weight</td>
<td>11kg</td>
</tr>
</tbody>
</table>

We reserve the right to modify and change the specifications to improve or up-grade our products performance without priority notification.
For large capacity, multiple installation of each unit is possible.

Connection in parallel can scale up the fog capacity.

Operating Identifications

Power switch
To control the main power ON/OFF of the humidifier and the UV-C light (if included) with light indication.

Power control switch
Turn the knob in clockwise to control the output power level. There are 3 power levels can be selected.

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Operating Procedure

1) Before using the humidifier, it should be installed on a stable and rigid mounting frame.
2) Connect the water supply to the inlet pipe of the humidifier. The maximum water pressure should not be greater than 5 bar.
3) Connect the power line from the mains to humidifier. Be sure the line voltage should be 220V ~ 230Vac ±10%, 50/60Hz or equivalent to the specified voltage rating stated on humidifier.
4) Turn the power control switch to minimum. ( Anti-clockwise )
5) Turn the power switch ON and the indicator will light on.
6) The cooling fans, ventilation fan, UV-C lamp and valve will operate automatically.
7) Turn the power control switch in clockwise to produce fog.

Safety Precaution

1) Read all the operating instructions before use the products.
2) Do not try to dismantle the humidifier during operation.
3) To ensure the humidifier working at specified rated voltage.
4) Periodically cleaning up all the dust condenses on the air filter of ventilation fan and cooling fans.
5) Periodically cleaning up the water tank to ensure the water quality.
6) The humidifier 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.
7) The drain hole under the water inlet should be locked tightly to prevent leakage. If the humidifier will not be used for a long time, water inside the tank should be drain away through the drain hole.
8) For model with UV-C lamp, be careful to the ultraviolet radiation. The power should be off before performing maintenance.
9) To replace the UV-C lamp, please carefully removed the side cover by loosening the 4 nuts at corners. Then remove the cover away from the body **along to the axle of UV-C lamp** to prevent broken the lamp tube.
10) Prevent the humidifier working in a high humidity and high corrosive environment.
11) To avoid damage the humidifier, never place it on an unstable stand or subject to a vibration environment.
12) To avoid damage the humidifier due to uneven water level, never place it on a inclined surface or a level with a gradient greater than 5° with respect to water horizon.
13) The humidifier should be ground with ground line to prevent electrical shock.

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End