Introduction:

The Herrmidicool® system provides in-duct air/water atomizing humidification and evaporative cooling technology for industrial and commercial buildings. The marriage of time proven maintenance-free atomizing heads with reliable accurate modulating controls is what makes Herrmidicool® work as an effective and energy efficient alternative to conventional humidification systems.

Operation is fully automatic and controlled by enhanced microprocessor controls. When the relative humidity level drops below the setting on the controls, the air solenoid opens. As soon as the air pressure builds up sufficiently to atomize, the air pressure switch closes the circuit to the water solenoid valve; starting water flow to the atomizing heads.

The Herrmidicool® atomizing heads are designed and manufactured for dependable, extended operation. The all-brass or stainless steel construction eliminates rust and corrosion. One cleaning each year is typically sufficient. Atomizing heads are available in capacities of 6, 8, 10, 12, or 15 lbs/hr of water. The proper capacity heads are selected based the total humidification requirement along with a flexible design concept, thus allowing Herrmidicool® to be applied to virtually any system.

Applications:

- Ducted Air Distribution
- Air Handling Units
- Hospitals & Medical Clinics
- Telecommunications
- Textile Plants
- Commercial Office Buildings
- Printing Operations
- Computer Rooms

Features & Benefits:

- Evaporative Cooling Benefits
- Low Energy Consumption
- Clean-out Pin Equipped Nozzles
- Fully Automatic Operation
- Non-dripping Atomizing Heads
- Low Air Consumption
- Decades of Proven Performance
- Systems Available for Raw or DI/RO Water
- Full Modulation

Warranty:

- 2-Year Limited Warranty
**General Specifications:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Herrmidicool®</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Control Sections</strong></td>
<td>Compressed Air &amp; Water</td>
</tr>
<tr>
<td><strong>Voltage / Phase</strong></td>
<td>120 VAC / 1-Phase</td>
</tr>
<tr>
<td><strong>Control System</strong></td>
<td>Full Modulation Utilizing Electronic Humidity Transmitters</td>
</tr>
<tr>
<td><strong>Air Pressure Requirements</strong></td>
<td>60 PSI to Control Section, 30 PSI at Atomizing Heads</td>
</tr>
<tr>
<td><strong>Water Pressure Requirements</strong></td>
<td>50 PSI to Control Section, 33-38 PSI at Atomizing Heads</td>
</tr>
<tr>
<td><strong>Piping</strong></td>
<td>Potable Water: Copper or Brass, DI/RO Water: 304/316 Stainless Steel</td>
</tr>
<tr>
<td><strong>Atomizing Head Capacity</strong></td>
<td>6, 8, 10, 12, or 15 lbs/hr each</td>
</tr>
<tr>
<td><strong>Capacity Range</strong></td>
<td>100 - 500 lbs/hr</td>
</tr>
<tr>
<td><strong>Air Volume Requirements</strong></td>
<td>12 SCFM per 100 lbs/hr of Water</td>
</tr>
<tr>
<td><strong>Water Droplet Size</strong></td>
<td>7.5 Micron at 100% Output (Average)</td>
</tr>
<tr>
<td><strong>Spray Head Shipping Weight</strong></td>
<td>Varies (Depending on Spray Head Quantity / Configuration)</td>
</tr>
<tr>
<td><strong>Control Panel Shipping Weight</strong></td>
<td>245 lbs</td>
</tr>
</tbody>
</table>

**Proudly Designed, Engineered, and Manufactured in the USA**

*Manufactured with domestic and foreign components.*

To help serve you better, please contact us at:
- 800-884-0002 (tel)
- 800-458-2379 (fax)

TRION®
101 McNeill Road
Sanford, NC 27330
www.trioniaq.com
customerservice@trioniaq.com

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*Manufactured with domestic and foreign components.*

**Indoor Air Quality Since 1947**
**ISO 9001:2015 Certified**
**Industry Membership:**

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