VORTEX A/C ENCLOSURE COOLERS

COMPRESSED AIR ENCLOSURE COOLING

HIGHLY RELIABLE AND VIRTUALLY MAINTENANCE-FREE COOLING SOLUTION

Vortex A/C enclosure coolers keep electrical and electronic enclosures cool, clean and protected. With almost no moving parts, these enclosure coolers deliver dependable operation with minimal maintenance required. A slight pressurization is maintained in the enclosure to keep electronic components clean and dry. Vortex A/C models are also thermostatically controlled to maintain cabinet temperatures within a specified range to ensure electronic components remain cool and operational.

KEY FEATURES

- Easily mounts in restricted space; requires 1/10th of the space for comparable air conditioner units
- Multiple cooling capacities available from 900 BTU/hr. (264 Watts) to 5,000 BTU/hr. (1465 Watts)
- Quieter operation with a noise reduction of 78 percent when compared to traditional tube Vortex coolers
- Operates in environments up to 175° F (80° C)
- Reduced energy use through integral mechanical thermostat enhances performance efficiency
- Flexible installation with top, side or front mount options
- Safeguards against ambient, dirty or humid air for reliable operation in dirty, corrosive environments
- NEMA 12, NEMA 4/4X and Class I, Div. 2, Class II, Div. 2 and Class III Hazardous Locations available

APPLICATIONS INCLUDE:

- Food and beverage
- Oil and gas
- Paper
- Petrochemical
- Steel mills
- Sawmills
- Foundries
- Textiles
- Pharmaceutical

Note: Vortex A/C enclosure cooler units require use with compressed air.
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HazLoc Vortex A/C must be used in conjunction with an enclosure purge and pressurization system. See pentairprotect.com for available purge systems.

PRODUCT FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>HazLoc VORTEX A/C</th>
<th>Quiet VORTEX A/C</th>
<th>VORTEX Cooler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain temperature between 80-90°F (27-32°C)</td>
<td>•</td>
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<tr>
<td>Mechanical Thermostat</td>
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<tr>
<td>Electric Thermostat</td>
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<tr>
<td>Small mounting footprint for confined areas</td>
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</tr>
<tr>
<td>Top Mount</td>
<td>•</td>
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<tr>
<td>Side Mount</td>
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<tr>
<td>Front Mount</td>
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<tr>
<td>Maintains slight pressurization in enclosure</td>
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<tr>
<td>UL Listed and CE compliant</td>
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<tr>
<td>UL Classified*</td>
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<tr>
<td>Quiet</td>
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<tr>
<td>Supplied with air filter and ducting kit</td>
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</tbody>
</table>

*Class I Div 2 Groups A, B, C & D, Class II Div 2 Groups F & G, Class III

COMPARE THE DIFFERENCES

<table>
<thead>
<tr>
<th>Feature</th>
<th>VORTEX A/C</th>
<th>Refrigerant-Based A/C</th>
<th>Thermolectric Cooler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Size</td>
<td>Small</td>
<td>Large</td>
<td>Medium</td>
</tr>
<tr>
<td>Mounting Footprint</td>
<td>Small</td>
<td>Large</td>
<td>Medium</td>
</tr>
<tr>
<td>Weight</td>
<td>&lt; 12 lbs</td>
<td>&gt; 50 lbs</td>
<td>&gt; 15 lbs</td>
</tr>
<tr>
<td>Initial Cost</td>
<td>Low</td>
<td>High</td>
<td>Medium</td>
</tr>
<tr>
<td>Maintenance Costs</td>
<td>Low</td>
<td>High</td>
<td>Low</td>
</tr>
</tbody>
</table>

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