**Vapor Phase Odor Control**

**HLDA Odor Control Unit**

**Description and Use...**

BioTriad's Patented HLDA Series *Waterless Vapor Odor Control System* is ideal for the treatment of fugitive nuisance odor emissions.

The Odor Control Unit will convert a blend of pure and natural essential plant oils from a liquid to an Odor Neutralizing Waterless Vapor.

As the Odor Neutralizing Waterless Vapor and the fugitive nuisance odors contact one another, the odor will be neutralized.

**Unit Features...**

- The HLDA Series is proven effective, with thousands of successful installations.
- A reliable, low maintenance solution for both municipal and industrial applications.
- System does not utilize any water, saving this valuable resource for other uses.
- There are no freezing concerns with the HLDA Series Odor Control System, allowing for year-round operation.
**Vapor Phase Odor Control**

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**Three Types of Odor Treatment...**

- Vapor Distribution Line for applications where the odor source can be surrounded and treated with Complete Perimeter Coverage.
- Vapor Diffusion Lances and Manifolds for the treatment of fugitive nuisance odor emissions from exhaust fans, vents and stacks.
- Odor Curtains for the treatment of fugitive odor emissions from open walls and garage doors.

**Odor Control System Design...**

- BioTriad’s Patented Waterless Vapor Odor Control System is designed for the treatment of Low Level Fugitive Nuisance Odor Emissions.
- This unique system utilizes the natural and biodegradable essential plant oil blends BioTriad has formulated specifically for Direct Vaporization.
- All of the components of the HLDA odor control units are wash-down duty and corrosion resistant.

**Product Specifications...**

**Optional Cabinet**
- Diamond Plate Alum. Enclosure
- 0.100" Cabinet Walls & Ceiling
- 0.187" Cabinet Floor
- 4" X 4" Aluminum Platform
- Keyed Lock

**Control Panel Options**
- NEMA 4 Wall Mounted Enclosure
- Door Interlocked Disconnect C/B
- 250 VA Control Transformer
- 3 Pole Motor Starter w/ Overloads
- Programmable Time Run Clock
- GFCI Interlocked w/ Starter

**Product Applications...**

- Municipal and Industrial Wastewater Facilities
- Solid Waste Landfills and Transfer Stations
- Food Processing and Meat Packing Plants
- Refineries and Petro-Chemical Plants

<table>
<thead>
<tr>
<th>Model</th>
<th>Avg. Usage</th>
<th>HP</th>
<th>Voltage</th>
<th>Ampers</th>
<th>Feet</th>
<th>CFM</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLDA -100</td>
<td>6 gal / mo.</td>
<td>1</td>
<td>110 / 220</td>
<td>14.4 / 7.2</td>
<td>100’</td>
<td>10,000</td>
<td>24” X 48” 44” High</td>
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<tr>
<td>HLDA -300</td>
<td>18 gal / mo</td>
<td>5</td>
<td>230 / 460</td>
<td>15 / 7.5</td>
<td>300’</td>
<td>30,000</td>
<td>36” X 66” 48” High</td>
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<tr>
<td>HLDA -500</td>
<td>30 gal / mo</td>
<td>7.5</td>
<td>230 / 460</td>
<td>27 / 13.5</td>
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<tr>
<td>HLDA -750</td>
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<td>230 / 460</td>
<td>27 / 13.5</td>
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</tr>
<tr>
<td>HLDA -1000</td>
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<td>230 / 460</td>
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<tr>
<td>HLDA -1500</td>
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<td>15</td>
<td>230 / 460</td>
<td>66 / 33</td>
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<td>150,000</td>
<td>36” X 72” 48” High</td>
</tr>
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