Built for an unbeatable balance of high performance and cost efficiency, Cryoquip’s Wide-Spaced Ambient Air Vaporizers deliver consistent, reliable performance in a durable, cost-effective package.

**Improved Unitized Construction**

The unitized construction of these vaporizers yields the highest structural strength to cost ratio available and precludes the use of welds that cannot be heat treated, thereby maintaining the greatest structural integrity.

**Unique Spar Link Design**

Employs the unique Cryoquip “spar” link design—an efficient attachment method that enhances load carrying capability, while maintaining the highest level of structural integrity available in the industry during all modes of transportation.

**Easy Deployment and Redeployment**

Can be deployed or redeployed with ease since these units are capable of resting on a flat bed trailer.

**Design and Compliance**

Designed in accordance with ASME Section VIII, Division 1 latest edition. Design capabilities to rate equipment to all the latest wind/seismic codes including ASCE and IBC, available on special request.

**Benefits and Features**

- Increased ground clearance further enhancing heat transfer by natural convection.
- High capacity fins measure 8 inches (203 mm) from tip to tip and provide high performance and longevity.
- Low pressure drop, full-bore passages in the elements provides more flow cross section.
- Heat transfer elements up to 40 ft (12 m) are available to meet a range of process demands. Standard assembly configurations and ratings are shown on the reverse side.
- MAWP – 580 psig* (40 barg) for all aluminum construction.
- MAWP – 450 psig when ordered with Mueller flange.

**Options**

- Special end connections available
- Electro-polish for semiconductor industry applications
- Complete piping module assembly packages for vaporizer/piping installations
- Fog Reduction Module
- PE Certified Drawings
- California OSHPD approved designs
- Tank or trailer mounted designs
- CRN Registration
- Uniflo® vaporizers with 40 ft (12 m) heat transfer elements for high flow applications

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* 450 psig when ordered with Mueller flange.
# AMBIENT AIR VAPORIZERS

**CRYOQUIP WIDE-SPACED AMBIENT AIR VAPORIZERS**

<table>
<thead>
<tr>
<th>Chart Part Number</th>
<th>Cryoquip Model Number</th>
<th>Flow Rate* 8 hours, SCFH, Nitrogen</th>
<th>Inlet/Outlet Connection Size (inches)</th>
<th>Dimensions W x D x H (inches)</th>
<th>Weight (Lbs)</th>
<th>MAWP</th>
</tr>
</thead>
<tbody>
<tr>
<td>20593705</td>
<td>VAI-H04-FB</td>
<td>1,700</td>
<td>3/4 MPT</td>
<td>20 x 21 x 131</td>
<td>150</td>
<td>580</td>
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<td>VAI-H04-FBL12</td>
<td>2,600</td>
<td>3/4 MPT</td>
<td>20 x 21 x 179</td>
<td>150</td>
<td>580</td>
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<td>VAI-H06-FBL10</td>
<td>3,900</td>
<td>3/4 MPT</td>
<td>23 x 34 x 155</td>
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<td>580</td>
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<td>VAI-H08-FBL3M</td>
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<td>3/4 MPT</td>
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<td>20594567</td>
<td>VAI-1208-FBL15</td>
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<td>3/4 MPT</td>
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<td>20593710</td>
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<td>15,000</td>
<td>1-1/2 Mueller</td>
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<td>67 x 90 x 317</td>
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<td>450</td>
</tr>
</tbody>
</table>

* For models to meet special requirements including other models for extended operating periods, low pressure drop requirements, etc.– consult Chart. The performance of ambient air vaporizers is subject to many factors. These include flow, duty cycle, ambient temperature, relative humidity, freeze period, altitude, wind, solar radiation, operating pressure and proximity to adjacent structures. Ratings are based on mean ambient conditions of 70°F (21°C) and 70% relative humidity. Special conditions may vary considerably for a particular application, thereby affecting performance.

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