

# AMBIENT AIR VAPORIZERS

## CRYOQUIP WIDE-SPACED AMBIENT AIR VAPORIZERS

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Improved unitized construction 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.

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.

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

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.



### OPTIONS

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- 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

### BENEFITS AND FEATURES

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- 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.

*\* 450 psig when ordered with Mueller flange.*



*Innovation. Experience. Performance.®*



*Global technology, available locally*

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### Standard Vaporizer Specifications

Chart Part Number	Cryoquip Model Number	Flow Rate* 8 hours, SCFH, Nitrogen	Inlet/Outlet Connection Size (inches)	Dimensions W x D x H (inches)	Weight (Lbs)	MAWP
20593705	VAI-H04-FB	1,700	3/4 MPT	20 x 21 x 131	150	580
20593706	VAI-H04-FBL12	2,600	3/4 MPT	20 x 21 x 179	150	580
20593707	VAI-H06-FBL10	3,900	3/4 MPT	23 x 34 x 155	325	580
20593708	VAI-H08-FBL3M	5,200	3/4 MPT	24 x 46 x 159	400	580
20594567	VAI-1208-FBL15	10,000	3/4 MPT	24 x 46 x 221	645	580
20593710	VAI-1212-FBL15	15,000	1-1/2 Mueller	34 x 45 x 221	925	450
20593711	VAI-1216-FBL20	25,000	1-1/2 Mueller	45 x 45 x 277	1,720	450
20593716	VAI-1224-FBL23	45,000	2 Mueller	45 x 67 x 317	2,800	450
20594568	VAI-1248-FBL23	90,000	2 Mueller	67 x 90 x 317	5,700	450

\* 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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