Thermax Supergap™ Ambient Vaporizers have become the industry standard for ambient air vaporization. Supergap vaporizers use natural convection of air to vaporize liquefied gases. Finned aluminum tubes absorb heat from the air and transfer that heat to the product gas. The huge four inch gap between fin tips provides room for ice growth allowing for more than 500 hours of continuous operation without defrost, making Supergaps vaporizers ideal for severe climates and long-duration operation. Extended operation requires a vaporizer switching system. In addition to the standard aluminum construction, units are available with stainless steel and other alloy liners for high-pressure and corrosive applications.

**Options**
- Stainless steel, monel and other alloy liners
- Design pressures exceeding 15,000 psig
- Horizontal and vertical pressure building units
- Low inlet pressure and low pressure drop designs
- Flanged, tongue and groove, butt weld end connections
- Tank mounting, wall mounting and truck mounting
- Continuous operation with switching system
- Electropolished 316L SS internals for ultra-pure applications

**Benefits and Features**
- 12-inch fin tube center-to-center spacing
- 4-inch gap between fins
- Standard models rated up to 200 MSCFH
- Aluminum corrosion-resistant construction
- High-strength welded base frame
- Withstands 100 mph winds and Zone 4 seismic forces
- 600 psig standard design pressure on all aluminum units
- Severe thermal cycling design
- Enhanced internal 16-fin heat transfer area, highest in industry
- No-crate shipping design for larger models
- Perimeter frame and legs for unrestricted airflow
- ASME B31.3, CRN (all provinces), and PED Category IV Module B & D compliant
TYPICAL SPECIFICATIONS

- MOC: Aluminum extrusions and frame
- Construction: welded base frame, internal and external finned extrusions, designed per ANSI B31.3 and meets UBC, chapter 23, 100 mph winds and Seismic Zone 4
- Extrusion spacing: 4 inches
- Design pressure drop: 20 psi at 150 psig inlet (standard)
- Design outlet temperature: 20°F approach to ambient (standard)

For lined units, substitute HF in model number with:
- SS-4.0 (stainless, design pressure = 4,000 psig)
- SS-6.0 (stainless, design pressure = 6,000 psig)
- SS-EP (stainless, electro polish finish)
- M-3.0 (monel, design pressure = 3,000 psig)

**Mueller Flanges supplied with mating brass flange, bolts, nuts and gaskets.

All tables and information are intended as guides only. Actual performance and dimensions may vary. Thermax does not make any representations or warranties, express or implied, of fitness for a particular purpose. Request a copy of Thermax's Limited Warranty and Remedy for further details. Speak to a Thermax representative for specific design considerations and application criteria.