

AMBIENT VAPORIZER

M10 FAV

空温式汽化器

CRYOEVEN® ambient vaporizers offer a safe and reliable gases supply for continuous or standby operation

CEE科立云®设计投产安全可靠的气体连续或者后备运行空温式汽化器系统产品

The ambient vaporizer use natural convection of air to vaporize cryogenic liquefied gases. Aluminum fin tubes of ambient vaporizer absorb heat from the air and transfer that heat to the product gas. The large fin tube pitch provides room for ice growth and allows for more than 480 hours of continuous operation without defrost, making super pitch ideal for severe climates and long duration operation. Beside of standard aluminum construction, units are available with stainless steel and other alloy liners for high pressure and corrosive applications.

空温汽化器是利用环境空气热量对低温液化气体进行汽化。空温汽化器的铝翅片管从空气中吸收热量和转移加热产品气体。大的翅片管间距提供了结霜和结冰的空间，在领先的设计下可允许多余480小时没有融霜的连续运行，这种大翅片管间距利于严厉的气候条件和长周期运行。



CEE sustainable vaporization technology for our better world
CEE科立云®可持续汽化方案让我们世界更美好



Fan ambient vaporizers consist of an extruded aluminum finned tubular core assembly surrounded by an air duct or not. High velocity ambient air of the fan is blown downward over the core to increase heat transfer to the finned surface. The cold cryogenic liquid passing through the tubes vaporizers as it picks up heat and is warmed to within 5 to 20°C of the air temperature on the basis of the client request. Frost forms and gradually builds up, reducing the capacity of the equipment. The fan is automatically started via a temperature switch which closes at set point whenever cold fluid enters the unit.

强制通风汽化器通过科学设计，再空温式汽化器的基础上增加风扇。高速空气从上而下被强制流通，以增加翅片管表面换热。根据客户要求设计选型，低温流体流经翅片管被加热到环境温度温差5-20°C。翅片表面逐渐结霜，减小设备的容量。风扇根据设计手动或者远程运行，也可根据设定温度自动运行。

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All the vaporizer units are fully workshop tested to ensure they reach their quality requirements and offer total reliability.

所有的汽化系统是全面车间检测确保实现质量要求和整体可靠性。

The vaporizer is built as move free, which meets the different location applications.

汽化器建造成可拆移结构，能满足不同应用位置迁移。

● Standard Features

标准配置

- 9 to 12 inch fin tube pitch
- Standard models rated up to 20,000 Nm³/hr (ETN)
- Aluminum corrosion resistant construction
- Withstands 100 mph winds and Zone 4 seismic forces
- Severe thermal cycling design
- Enhanced internal fin heat transfer area
- No-crate shipping design
- Perimeter frame and legs for unrestricted air flow
- CRN, ASME 31.3, and PED module D compliant

● Options

选项

- Stainless steel, monel and other alloy liners
- Design pressures exceeding 30,000 psig
- High wind loads design per ASCE 7-05
- Flanged, tongue and groove, butt weld end connections
- Tank, wall, or truck mounting
- Continuous operation with switching system
- BA/EP SS tube for ultra-pure applications
- Elimination of fog design
- Lower approach temperature design
- High humidity ambient design
- Long working duty design