

Ambient Vaporizer AV-01

The PRS ambient vaporizer (AV-01) is an uncomplicated heat exchanger which vaporizes liquid nitrogen into ambient temperature gas by using the heat absorbed from ambient air. Due to this simple principle of operation these vaporizers do not require external power.

Liquid nitrogen passes through the interconnected tubes in various series and parallel paths, so it comes out as a gas. The ambient vaporizer can also be used for gas-up of Ethylene and Propylene pipelines.

Also a combination of two separate vaporizer units and one 20.000ltr high pressure liquid Nitrogen tank is possible. The units are installed on a trailer using the container lock system which makes it easy to be disassembled.

Capacity of one (1) ambient air vaporizer unit for Nitrogen

650 Nm³/hr @ ambient temperature

Maximum working pressure 40 bar

Dimensions (overall)

10ft Container Dimension

Length: 2990 mm

Width: 2440 mm

Height: 2590 mm

Weight: 1.500 KG

Connections

Inlet 1.5" NIT 150

Outlet 1-1/2" 600# RF flanged

Typical applications:

- Nitrogen purging
- Nitrogen back up
- Helium Leaktesting
- Pipeline pigging

