

ON-SITE LOX / LIN GENERATOR

MODULAR 2.0 TPD or 5.0 TPD

Available in two sizes, the smaller unit produces 2.0 TPD while the large unit produces 5.0 TPD. These plants are offered with manual, semi-automatic or fully automatic control.



2.0 TPD

| Characteristic | Value / Description |
|----------------------|---|
| 2.0 TPD Output* | 166.7 lb/hr @ 1-7 psig (LIQUID OXYGEN) 166.7 lb/hr @ 1-40 psig (LIQUID NITROGEN) |
| 5.0 TPD Output* | 416 lb/hr @ 1-7 psig (LIQUID OXYGEN) 416 lb/hr @ 1-65 psig (LIQUID NITROGEN) |
| Purity | 99.5% (LIQUID OXYGEN) 99.5% (LIQUID NITROGEN) |
| Operation | 30 day cycles |
| Weight (approximate) | 6000 kg 13235 lbs (2.0 TPD) 21000 kg 46250 lbs (5.0 TPD) |
| 2.0 TPD Dimensions | Length = 7.3 m 24.2 ft Width = 3.2 m 10.6 ft Height = 3.3 m 10.75 ft |
| 5.0 TPD Dimensions | Length = 11 m 36 ft Width = 4.8 m 16 ft Height = 4.5 m 15 ft |

*Production rate based on operation at sea level (atmospheric pressure 760 mm Hg) ambient temperature of 70°F, and relative humidity of 50%.
NOTE: Plant is capable of production at temperatures between -65°F to 125°F

Overview

Designed for applications, including commercial requirements for LOX/LIN, where it is not required to relocate the units on a regular basis. Designed with four modules that are erected at the operating site and connected with prefabricated piping spools that are shipped with unit - fully operational in less than two days.

System Design

PCI's air separation systems are low pressure process types using the basic "Reverse Brayton Cycle" with a nominal system pressure of 150 psig. This low pressure process is inherently more reliable and less dangerous than a high pressure system that typically uses design pressures of 3000 psig or higher.

PCI's oxygen/nitrogen production equipment utilizes proven components, that have been successfully integrated into numerous international commercial and military applications.