

Why do you need a GN2 System

75% to 92% Cost Savings

Generating your own nitrogen can substantially reduce the cost of nitrogen consumption, and is the primary reason for the purchase of most GN2 systems.

The price of purchasing nitrogen in a gaseous or liquid form can vary from \$2.88 to \$0.35 per 100 ft³. The price range can be a result of volume consumption, type of product, location, or vendor. This cost is strictly for the gas or liquid delivered and does not factor additional supply costs such as:

- Delivery Costs
- Monthly Cylinder / Tank Rental Fees
- Bulk Evaporative Loss
- Handling and Purchasing Labor Costs
- Additional Site Liability Insurance

A GN2 system will produce gaseous nitrogen at costs that ranges from \$0.061 to \$0.217 per 100 ft³. The price range is a result of local power costs, compressor efficiencies, and required nitrogen purity.

An average GN2 system has an (ROI) return on investment of 6 to 18 months. This rapid return enhances the financially attractive position of a GN2 system above and beyond the 75% to 92% base reduction in nitrogen cost.

Reliability



GN2 systems operate automatically and supply nitrogen on demand 24 hours a day. A missed nitrogen delivery due to bad weather or clerical oversight can dramatically impact production costs.

Nitrogen Purity

GN2 systems can produce nitrogen purities from 95.0% to 99.99%. If your application can operate at lower purities the cost of production is reduced and can add to your overall reduction in nitrogen costs.



Experience

Great Lakes Air has over 25 years of experience manufacturing various types of standard and custom PSA (Pressure Swing Adsorption) systems for many industries such as:

Petrochemical	Aerospace
Automotive	Electronics
Mining	Food & Beverage
Defense	Steel Production
Pharmaceutical	Medical Industry

The GN2 Nitrogen generator is a PSA system that separates the oxygen from a compressed air supply generating a continuous source of gaseous nitrogen.

Safety

GN2 systems operate with no more liability than a standard compressed air system. With a GN2 system you yield the liability of handling 2,200 PSI cylinders or storing -320°F (-196°C) liquid nitrogen.

