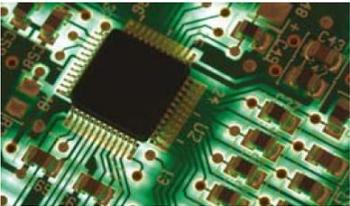




Purity, pressure, flow, saving, solutions...



Nitrogen on demand, anytime, anywhere, 100% uptime .



With flow rates from 4.7 lpm (0.28 m³/h—10 SCFH) to more than 35,000 lpm (2.100 m³/h—75, 000 SCFH).

With a purity from 95% to 99.9995%.



We can provide a system with the capacity to match your requirements for flow, purity, pressure, has required for your industrial process.

Applications:

- Processing and packaging of foodstuffs
- Manufacturing electronic wafers
- Laser operations
- Special selective welding
- Filling of tires for trucks and cars
- Laboratories
- Drugs
- Heat treatments
- Chemical plants
- Medical tools propulsion
- Inertization of tanks and pipes
- Transportation of perishable goods
- Fire suppression
- Aircraft tires
- MAP packaging
- Fuel tanks and more



RAPID RECOVERY OF INVESTMENT

CONVENIENT

RELIABLE

SAFE

LONG-LASTING

ECONOMICAL

LOW MAINTENANCE



ORION GROUP INTERNATIONAL INC.

2124 NE 123rd St

Miami, FL 33181, USA

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Fax +1 305 892-7228

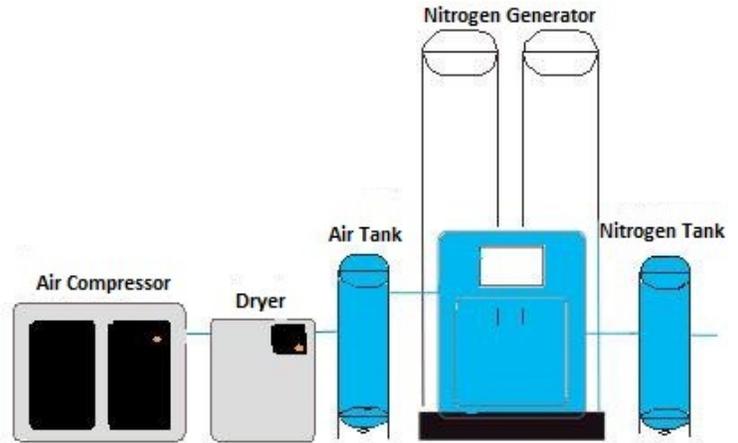
www.oriongroupintl.com

Oxygen Generating System

How its works:

Compressed air enters in the molecular sieve (Carbon Molecular Sieve CMS). The oxygen molecules are adsorbed by the CMS (trapped in the sieve). The nitrogen molecules pass through and are stored in the nitrogen tank.

Before the sieve saturation occurs, the compressed air is switched to a second sieve bed, while the first releases the trapped oxygen into the atmosphere. The process is repeated, generating a steady flow of nitrogen. .



Features and benefits:

Convenient:

Easy to install and maintain.
Unlimited nitrogen supply..

Touch Screen Control:

The system provides a touch screen for:

- precision control of purity levels
- diagnosis and resolution of problems
- maintenance schedules
- operating diagrams

And more.

PFX

The system is pre-programmed to offer a choice of three different levels of purity.

Savings:

Produce your own nitrogen for just a fraction of what it costs to buy it by the cylinder, by the cryogenic tank or in even larger quantities. Can produce its own cylinders of nitrogen at a pressure of 2200PSI/153Bar or 3000PSI 206 Bar for just a fraction of what it would cost you to acquire cylinders.

Rapid amortization:

The system acquisition cost is recovered in an average of less than 18 months, without even considering the cost of renting tanks, shipping tanks and the inconvenience of long-term contracts.

Low operating cost:

The only operating cost is the electricity needed to power the air compressors. Very limited maintenance is required (typically one to two hour every three months).

Fully automatic:

The production of nitrogen starts when an increase in demand is observed. .

Reliable:

Systems have been operational for more than 20 years in some of the most remote places on Earth

Flexible:

Systems may be connected in parallel in order to increase capacity and support larger demand from the institution.



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