

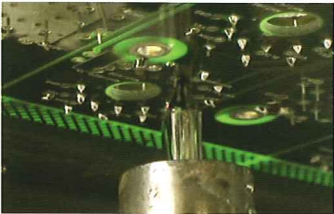
Purity, Pressure, Flow, Savings, Solutions.



Pure Convenience. Nitrogen on demand – anywhere, any time.

Flow Rates 10 to 75,000 SCFH

Purity Levels 95% to 99.9995%



We can custom design any size system to meet your specific needs, schedule or budget.

Our generators provide controlled purity and volume, with less cost than bottled gas.

Applications:

Selective Soldering
Wave Soldering
Reflow
Brazing
Inert Atmospheres

Nitrogen Atmosphere Benefits:

Up to 80% Dross Reduction
Support for Lead-Free Alternatives
Less Reworks
Improved Wetting
Improved Yield and Quality
Less Voiding
Reduced Solder Balls and Icicing
Better Thru Hole Penetration
Improved Solder Joint Surface Finish
Achieve Tighter Keep-Away Distances
Increased Process Window
Preservation of Soldering Conditions
Better Preheating and Flux Activation

CONVENIENT

SAFE

ECONOMICAL

RELIABLE

FLEXIBLE

RAPID ROI

BUY, RENT, OR LEASE

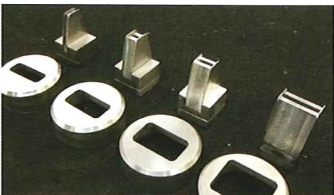
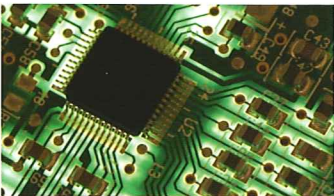
MADE IN THE USA

ON SITE
Gas Systems

Manufacturers of Oxygen
and Nitrogen Generators

35 Budney Rd. | Budney Industrial Park
Newington, CT 06111

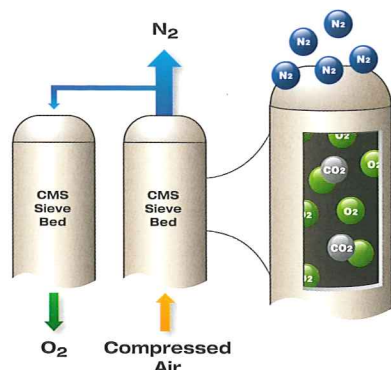
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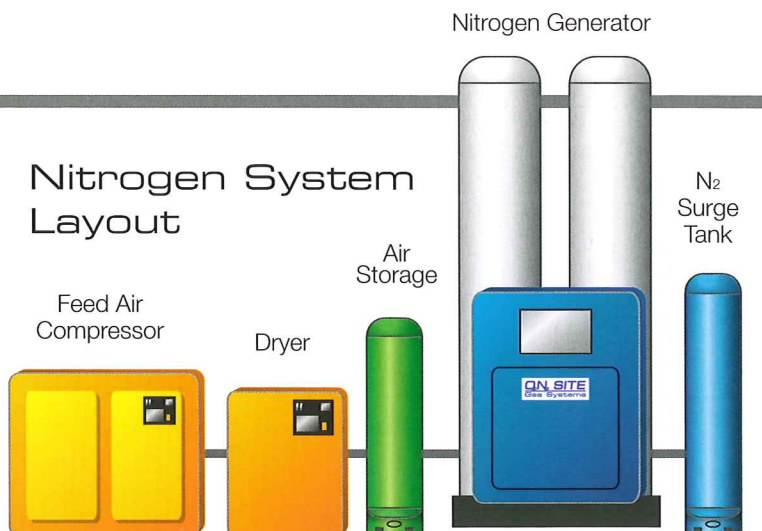
NITROGEN GENERATORS

ELECTRONICS

How Does a Nitrogen PSA Work?



Nitrogen System Layout



HOW IT WORKS:

Compressed air enters one of two sieve beds (filled with carbon molecular sieve-CMS). While the smaller oxygen molecules are adsorbed by the CMS, the larger nitrogen molecules pass through and are stored. Upon saturation, the first sieve bed releases the oxygen, while the second sieve bed starts the process over again.

Features and Benefits:

Convenient:

Easy to install and maintain with an unlimited supply of nitrogen.

Touch Screen Control:

Precision system control for purity level, trouble shooting diagnostics, maintenance schedules and operation diagrams.

Cost Savings:

Produce your own gaseous nitrogen for a fraction of purchasing cylinders, dewars or bulk.

PFX:

Up to 3 different purity levels from the same machine.

Fast Payback:

Systems average less than 18-month ROI. No delivery fees, tank rental, long term contracts or price increases.

Low Operating Cost:

Low air-to-nitrogen ratio and minimal maintenance.

Fully Automatic:

Nitrogen production begins when downstream demand is sensed.

Reliable:

Systems operating over 20 years in some of the most remote locations in the world.

Lease/Rental Options:

Write off the cost of your generator as an operating expense, rather than using capital.



16" L x 20" W x 84" H

40" L x 44" W x 101" H

QN SITE
Gas Systems

We can design a system to meet your specific needs.