

PSA NITROGEN GENERATOR NX Series

Flow from 1 – 1000 Nm³/h
Purity from 95 – 99.999%



NX Skidded PSA Nitrogen Generator

The integrated, independent and technologically most advanced solution to produce nitrogen for many application. Reliability and high performance, proven by our's experience, allow its use with all major laser brands to attain highest cutting quality. We provide the most simple and economic solution for producing nitrogen according to your needs and with desired purity. Press the start button and your nitrogen system will work for you automatically. ANOX offers you solutions to become your own supplier of nitrogen, which means:

Reduced Operation Cost

You produce the nitrogen you need and get rid of any external supply contract with all the transportation or rental costs involve. Most of our clients reduced their nitrogen cost over 50% and more or recover their investment within 2 years.

No More Wastage

Eliminates the loss of stored liquid nitrogen caused by natural evaporation rate.

No More Supply Chain Failure

The generator provides an unlimited supply of nitrogen on-site as long as compressed air available.

No More Logistic Constraints

Save time avoiding recurrent logistic procedures – order, delivery, bills, invoice and inventory management.

Reduced Environment Impact

Eliminates the expense and CO2 emissions associated with truck deliveries.

Increased Safety

No more heavy and high-pressure cylinders to handle. Hazardous storage of cryogenic nitrogen can be avoid. Nitrogen generators are used in a wide range of industries.



NX Series Nitrogen Generator

A line of robust, reliable nitrogen generator based on Pressure Swing Adsorption (PSA) technology using state of art adsorbents to produce nitrogen from compressed air, allowing continuous availability at a very competitive operation cost compared to merchant gas supply.

The various models of PSA nitrogen generator systems offered by ANOX generate nitrogen at purities ranging from 95 – 99.999%. Various sizes are offered from small to large flow rates in order to meet specific nitrogen needs.

Typical Performance Data

Capacity	1 - 1000 Nm ³ /h
Purity (%)	95 - 99.999 %
Discharge Pressure	6 - 8 bar

Features

First Class of Component	Only high quality components installed to assure the system performance and reliability
Self-Protective Monitoring of Feed Air Quality	Automatic feed air cut-off in case of contamination High dew point & pressure alarm
Superior Control System	Controller with display for full communication and monitoring possibilities.
Convenience	Non-stop available or gas on demand, supply, automatic and unattended operation
Plug & Play	Ready to use, only required a supply of dry compressed air.

Standard Equipment & Components

Skidded Twin-bed Adsorption Towers
Control system with display
Zirconia oxygen sensor
Digital flow meter
Dew point sensor
Feed air and nitrogen pressure transmitter
Exhaust silencer

Option

Feed air compressor package
Nitrogen buffer tank
Nitrogen booster
Cylinder filling station
Dew point sensor for product gas
Gas distribution piping

