



NITROPLUS

PSA TWIN TOWER NITROGEN GENERATOR

Up to 99.999% nitrogen / 10ppm residual oxygen



- High energy efficiency
- Flexible
- Low running costs

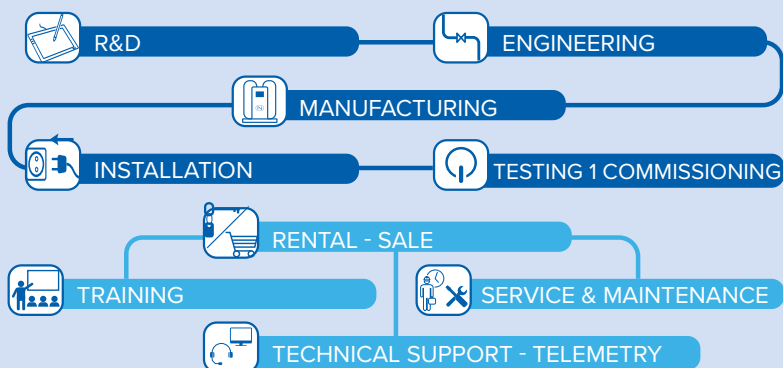


NOVAIR is a French manufacturer founded in 1977 and recognised worldwide for its on-site nitrogen and oxygen production solutions using generators. NOVAIR is based in the Paris region and has subsidiaries and R&D centres in Italy and the United States.

NOVAIR exports turnkey systems for the healthcare and industrial sectors to more than 150 countries worldwide, and has thousands of oxygen and nitrogen generators installed all over the world.

In France, more than a hundred manufacturers have used Novair's on-site nitrogen and oxygen production solutions, and are now completely autonomous!

A GLOBAL SUPPORT AT OUR CUSTOMER'S SERVICE



NOVAIR

PSA NITROPLUS NITROGEN GENERATOR

NOVAIR introduces NITROPLUS®, the new generation of PSA Twin Tower nitrogen generators.

With a wide range of nitrogen flow rates, NITROPLUS meets the needs of all types of industry, with unprecedented energy efficiency.

NITROPLUS generators can produce nitrogen with a residual oxygen content ranging from 10ppm to 3.0 vol%.

Galvanised carbon steel piping

Adsorption tanks to 2014/68/EU

Siemens SIMATIC® graphical touchscreen HMI in 9 languages

NITROGEN
Purity up to 10ppm residual O₂
Flow rate up to 572m³/h per unit
Outlet pressure: max 8 bar



NEXT
GENERATION
PSA

HIGH
ENERGY
EFFICIENCY

APPLICATIONS



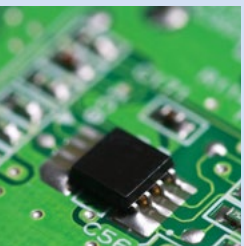
Laboratory



Food



Petrochemicals



Electronics



Laser cutting

But also: Inerting of metals, Chromatography, Inerting of chemical and pharmaceutical products...

COMPLIANCE

2014/68/UE

Pressure Equipment Directive

2014/35/CE

Low Voltage Directive

2014/30/UE

Electromagnetic compatibility

2006/42/CE

Machinery Directive

E941 nitrogen

Food Directive

FEATURES & OPTIONS

- Zirconium oxygen analyzer
- Heavy duty installation
- Air and nitrogen flow control
- Data logging via USB and ethernet / modbus TCP-IP
- Nitrogen pressure sensor
- CTS option to manage a total of 4 units, drastically reducing the volume of tanks required
- Flowmeter option up to 800m³/h
- Hygrometer option



Benefits

- Fully automatic, unattended operation
- Low running costs
- Remote control via a Web server
- Zirconium analyzer, unlimited service life
- Easy access for servicing and maintenance
- High performance CMS

24-month warranty

Easily expandable

For larger production capacities, several additional PSA nitrogen generators NITROPLUS® can be easily interconnected to reach a maximum of four units operating in the same time.

It allows to obtain a maximum nitrogen flowrate of 2300m³/h.



A manufacturer's service 24/7 maintenance

To ensure that your installations operate at optimum efficiency at all times, NOVAIR provides you with a range of services and qualified technical teams capable of providing telephone assistance and intervening on site in the shortest possible time.





Technical Data

NITROPLUS® nitrogen flowrate - m3/h*

Gas Purity	99.999%	99.995%	99.99%	99.95%	99.90%	99.50%	99.00%	98.00%	97.00%
Residual O2	10 ppm	50 ppm	100 ppm	500 ppm	0.1%	0.5%	1%	2%	3%
NP 75	29.4	34.7	41.3	62.1	28.7	100	106	130	146
NP 100	42.5	50.1	59.6	89.6	99.2	145	152	186	211
NP 150	55.2	65	77.4	116.4	128.7	188.1	195.1	239.1	270.1
NP 200	84.4	99.4	118	178	197	288	302	371	419
NP 300	115	136	162	243	269	393	413	506	572

* Inlet pressure 9 bar
 Flow rates indicated for operation in atmospheric conditions
 20 °C / 60 °F, 1013 mbar and 60% RH

Why produce your own nitrogen and forget about deliveries??

 Proven savings

 No logistical constraints

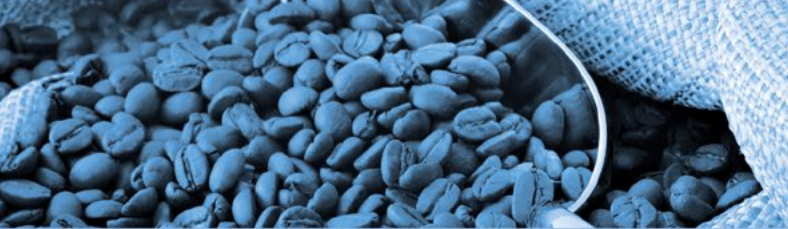
 Total safety

 No heavy cylinders to carry

 Continuous analysis



Nitrogen available 24/7: continuous unattended production
 Instant, on-demand production: no break in the supply chain



Nitrogen and Oxygen Generators

- *PSA*
- *DS-PSA*
- *V-PSA*
- *L-PSA*
- *Membrane*



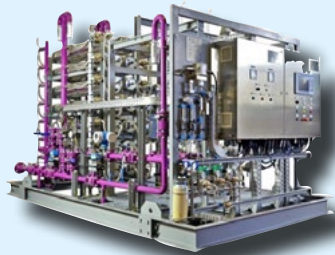
Feed Air Units



Cylinders Filling Systems



Engineering



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