

NITROSWING LASERPACK

On-site nitrogen production for laser cutting



NOVAIR

- Plug & Play
- Innovative
- Economical
- Eco-friendly



Why produce nitrogen on site?



■ **Gas available 24/7:** continuous production, no delays and no risk of supply disruption



■ **Increased safety:** no cylinders to handle, no gas storage



■ **Eco-responsible solution:** 0 delivery & 0 emission of pollutants

■ **No logistical constraints**



■ **Proven savings**



■ **Assured purity** measured continuously by integrated analyser

NITROSWING LASERPACK

Nitrogen is a gas widely used for its inert features which prevents all reactions with molten metal. In order to meet the nitrogen specific needs of laser cutting manufacturers, NOVAIR designed NITROSWING® LASERPACK. This original solution, developed in collaboration with end users, allows a continuous and autonomous supply of nitrogen in accordance with the specifications required by laser cutting machines :

- Nitrogen purity : up to 5.0 (99.999%) - 10 or 100 ppm O2 residual
- Storage pressure : 300 bar
- Available output pressure adjustable according to the user needs

Laserpack is suitable for the nitrogen supply of all laser cutting machines, whatever the metals and the thickness cutted.
The system is compatible with all types of lasers, fibers and CO2.

Electrical cabinet (optional)

Filtration system

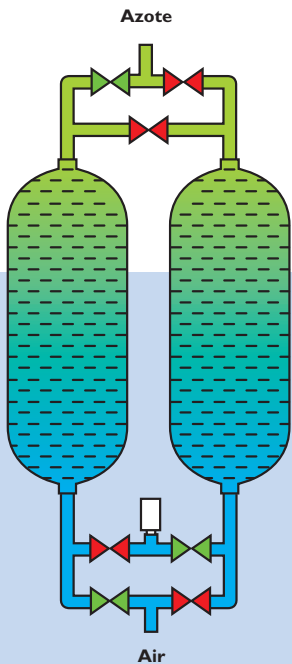
7» HMI for real-time purity control and fully automatic operation

Molecular sieve modules for simple expansion of the plant's capacity on site



Producing nitrogen from ambient air: PSA technology

NITROSWING® LASERPACK uses the PSA or «Pressure Swing Adsorption» technology, a non-cryogenic process for the separation of air molecules. ambient. The compressed and dried air passes through a molecular sieve that captures the molecules of oxygen, carbon dioxide and water vapour under pressure, allowing only nitrogen to pass through, at the highest levels of purity. This process, perfectly mastered by NOVAIR, allows for a supply of totally autonomous in nitrogen, on demand and without any logistical constraints.





High purity nitrogen guaranteed, irreproachable cutting quality

Nitroswing Laserpack is suitable for the nitrogen supply of all types of laser cutting machines, whatever the thickness of metal to cut (from 1 to 20 mm). A complete range allow to meet the specific needs of each user.

The nitrogen purity produced is verified and guaranteed at every moment by an integrated analyzer.

Already installed on a large number of sites in France and abroad, the Laserpack solution have been tested and approved by demanding users who obtain an impeccable cutting quality.



Configurations available

NITROSWING® LASERPACK equipment is available in different configurations:

- fully skid-mounted
- in a housing suitable for outdoor use with removable panels
- supplied separately for indoor installation depending on the configuration of the available space



Skid-mounted or boxed configuration for outdoor use



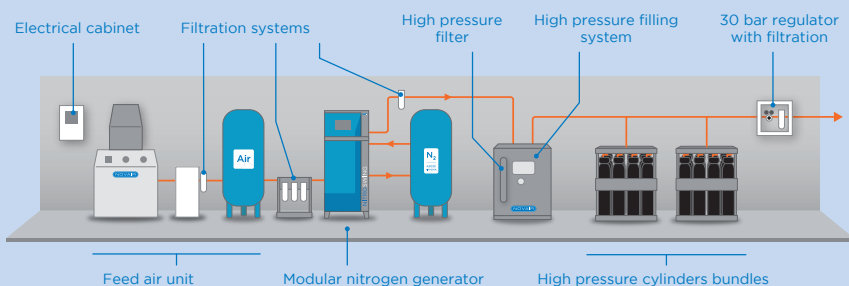
Technical Datas

- Inlet pressure: 7 or 9 bar
- Flow: 28 Nm³ to 267.2 Nm³/day*.
- Installed power: 5.8 kW to 11.3 kW

Data at 100ppm of residual O₂ (up to 10ppm available).
on request).

Contact us in order to dimension the solution
best suited to your needs.

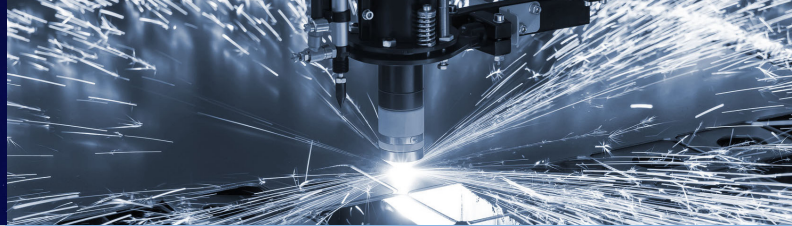
From ambient air to high purity nitrogen



Complete line LASERPACK

Specialist in compressed gases since 1977, NOVAIR also supplies all the equipment necessary for on-site nitrogen production:

- Compressed air supply
- Nitrogen generator
- Nitrogen booster
- Executives
- Regulators ...



NOVAIR was founded in 1977 in France and is specialized in the design and manufacturing of air & gas separation, treatment and compression solutions.

Member of Groupe NOVAIR, NOXERIOR focuses on all aspects of the production of dry compressed air and its non-cryogenic separation for on-site generation of nitrogen and oxygen. With customized systems, we help industries increase their autonomy.

NOVAIR headquarters are located near Paris in France and we are operating in over 150 countries through a wide network of certified local distributors. With our experience of large industrial projects, we are able to take up the most ambitious challenges, in accordance with the most demanding engineering standards.



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