

N2 Micro

N2 MICRO is a general purpose nitrogen generator. It is the smallest of all the nitrogen generators manufactured by CLAIND.

Main features of the N2 MICRO are:

- Based on the PSA (Pressure Swing Adsorption) principle.
- Completely autonomous and automatic thanks to an integral oil-free compressor.
- Able to supply 4 liters/minutes nitrogen at 5 barg pressure, with purities better than 99,5 %.
- 36-litre built-in tank, to allow constant flow over peaks consumption.
- Equipped with a high-efficiency filtering system against humidity, so that the water condensation is vented automatically.
- Provided with an electronic control device which allows to produce the needed nitrogen quantity without stressing the compressor and consequently assuring longer life.

The maintenance of the N2MICRO is limited to changing a few filter elements taking less than 30 minutes per year. The system regenerates itself automatically giving you a continuous, uninterrupted supply of gas.

Main Features

There is no specific use of the N2MICRO. Some customers use it for:

- Laboratory applications.
- Drinks dispensing and blanketing of empty vessels.
- Photographic studios to inert the developing bath.
- To keep the oxygen level in machines low.

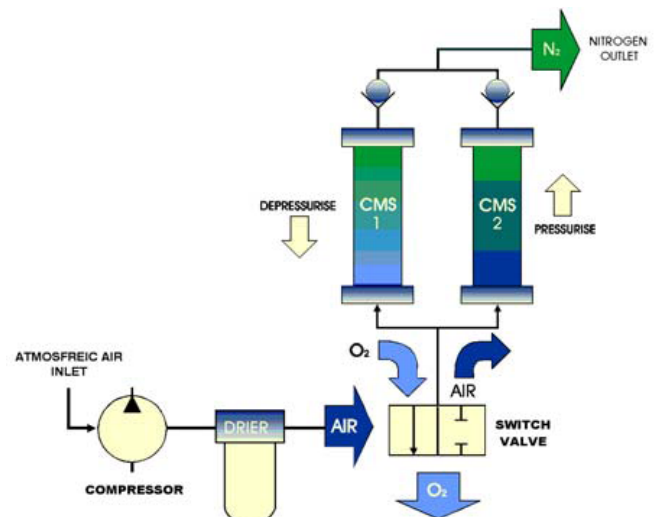


Working Principle

Thanks to the **PSA (Pressure Swing Adsorption)** principle the generator produces nitrogen by compressing ambient air and passing it into a Carbon Molecular Sieve bed (CMS).

Inside the CMS bed, oxygen, moisture, CO, and other 'contaminants' are trapped allowing nitrogen to pass through into a holding reservoir. Nitrogen from the holding reservoir is regulated to a fixed flow and pressure before exiting the generator.

Claind is one of the worldwide major manufacturer of the PSA technology.



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Gas Characteristic

N₂ purity better than 99,5 %

Outlet pressure: 5 barg

* different settings allow to reach higher purity level

Technical Specifications

Technical Specifications	N2 Micro
Flow rate	4 NI/min
Power rating	600 VA
Electrical Supply	230 Vac—50 Hz*
Noise level	< 60 dB
Operating temperature	between 5°C and 40°C
Consumable	filters and silencers
Water and body protection degree	IP 20

115 Vac— 60 Hz available on demand

Dimensions

	N2 Micro
Height	83 cm
Width	40 cm
Depth	58 cm
Weight	62 kg