

NG RACK 5U

Ultra High purity Nitrogen generator
RACK 19" casing

The High purity NitroGen series **NG RACK 5U** produce laboratory high grade nitrogen for most of the laboratory applications and equipments. Designed with safety and convenience in mind, this system generates purified nitrogen, eliminating the need for inconvenient cumbersome high-pressure gas cylinders.

The NG RACK 5U removes oxygen from air to less than 1 ppm and HC pollutants to less than 0.05ppm (if the optional scrubber is installed). The available flows are: 600 cc/min and 1000 cc/min. The NG RACK 5U needs an external compressed air source.

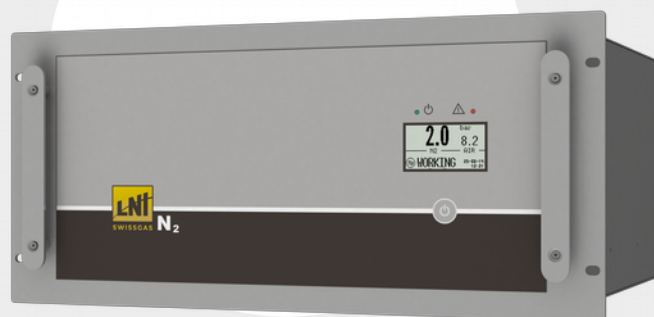
The Ultra Pure Nitrogen is mainly used to feed ICP, ELSD, GC, FTIR and is ideal as nitrogen gas supply for all kind of Laboratory and Chromatography applications.

Main applications

- ICP / ELSD
- GC / FTIR
- Incubators

Main advantages

- ✓ Easy use and installation
- ✓ Purities up to 99.9999%
- ✓ Pressure up to 8 bar
- ✓ Flow rate up to 1000 cc/min
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ CH4 oven scrubber option
- ✓ Stackable with HG and ZA





Specifications

Models: NG RACK 5U		600		1000	
N2 outlet					
Flow rate (max)		600 cc/min		1000 cc/min	
Outlet pressure (min)		1.0 bars			
Outlet pressure (max)		Inlet pressure – 2.0 bar			
Nitrogen purity* ¹		>99.9999%		>99.9995%	
Outlet Dew-point		<-60°C (-76°F)			
Hydrocarbon content* ²		< 0.05 ppm			
Air inlet					
Air inlet requirement		Particulate: <1 micron			
		Dewpoint: -20°C (-4°F)			
		Oil <0.01 mg/m ³			
Flow rate (max)		12 l/min		15 l/min	
Min / Max supply pressure		7 bars / 10 bars			
Min / Max temperature		5°C (41°F) / 35°C(95°F)			
Communication					
LCD with touch screen		Yes			
RS232		X			
RS485		X			
USB		X			
General data					
Supply rating		100-240Vac 50/60Hz – 2A			
Connection type		IEC320-C13			
Installation power (max)		240W (280VA)			
Fuse rating		4A -240Vac (5x20mm)			
Net weight		<25 kg			
Dimensions		Standard 19” Rack 5U – deep 48 cm			
Connections					
Outlet port		1/8" female			
Inlet port		1/8" female			
Operating conditions					
Temperature		5-35°C (41-95°F)			
Humidity (max, non condensing)		80% at 25°C (77°F)			
Noise		<25dB(A)			
IP rating		IP20			
Pollution degree rating		2 (with no aromatic compounds)			
Altitude		< 2000m			

*1 The purity refers to the residual oxygen

*2 with option CH4 scrubber installed

Ordering codes

Gas Generators

6920.30.060

NG RACK 5U 600

6920.30.100

NG RACK 5U 1000

Options

6920.31.010

CH4 scrubber for RACK 19" N2 generator

Consumable

6930.00.160

Filter elements for NG EOLO / NG RACK 5U / 8U



LNI Swissgas

www.lni-swissgas.eu

Registered office: Via Sassoferatto 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD