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# NG RACK 7U

Ultra High purity Nitrogen generator  
RACK 19" casing

The High purity NitroGen series **NG RACK 7U** 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 7U removes oxygen from air to less than 1 ppm and HC pollutants to less than 0.05ppm (if the optional scrubber is installed). This generator needs an external compressed air source and it is able to produce a flow of 2000 cc/min

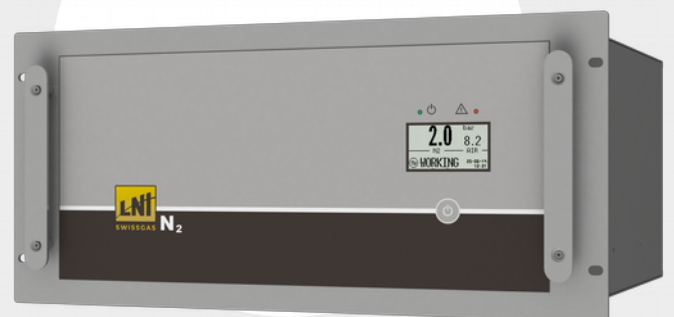
The Ultra Pure Nitrogen is mainly used to feed ICP, ELSD, GC, FTIR and is ideal as nitrogen gas supply for all kind of Laboratory and Chromatography applications.

## 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 2000 cc/min
- ✓ Low maintenance
- ✓ Reduced foot print
- ✓ CH4 oven scrubber option
- ✓ Stackable with HG and ZA





## Specifications

Models: NG RACK 7U	2000
<b>N2 outlet</b>	
Flow rate (Max)	2000 cc/min
Outlet pressure (min)	1.0 bar (14.5 psi)
Outlet pressure (Max)	Inlet pressure – 2.0 bar (29 psi)
Nitrogen purity * <sup>1</sup>	> 99.9999%
Outlet Dew-point * <sup>2</sup>	< -60°C (-76°F)
Hydrocarbon content * <sup>3</sup>	<0.05 ppm (with option <b>6920.31.010</b> )
<b>Air inlet</b>	
Air inlet requirement	ISO 8573-1:2010 Class [1:3:1]
Flow rate (Max)	20 l/min
min / Max supply pressure	6.5 bars (95 psi) / 10 bars (145 psi)
min / Max temperature	5°C (41°F) / 35°C(95°F)
<b>Communication</b>	
LCD with touch screen	Standard
RS232	Standard
RS485	Standard
<b>General data</b>	
Supply rating (min-Max)	100-240Vac (±10%) 50/60 Hz
Connection type	IEC320-C14
Nominal power (Max)	70W (200W)
Fuse rating (5x20mm)	4A (250Vac – T)
Net weight	< 40 kg
Dimensions	Standard 19" Rack 5U – deep 55 cm
<b>Connections</b>	
Outlet port	1/8" BSPP female
Inlet port	1/8" BSPP female
<b>Operating conditions</b>	
Temperature	5-35°C (41-95°F)
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]
Noise	< 45dB(A)
IP rating	IP20
Pollution degree rating	2 (with no aromatic compounds)
Altitude	< 2000m

\*<sup>1</sup> The purity refers to the residual oxygen

\*<sup>2</sup> Atmospheric Dew Point (ADP)

\*<sup>3</sup> with option CH4 scrubber installed

### Ordering codes

#### Gas Generators

6920.30.700

NG RACK 7U 2000

#### Options

6920.31.010

CH4 scrubber for RACK generator

#### Consumable

6930.00.164

Filter elements for NG RACK 7U



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[www.lni-swissgas.eu](http://www.lni-swissgas.eu)

For further information or to trial the equipment, please contact us:

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