

NG RACK 8U

Ultra High purity Nitrogen generator
RACK 19" casing

The High purity NitroGen series **NG RACK 8U** 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 8U 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: 2000 cc/min and 3000 cc/min. The NG RACK 8U 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 3000 cc/min
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ CH4 oven scrubber option
- ✓ Stackable with HG and ZA





Specifications

Models: NG RACK 8U	2000		3000	
N2 outlet				
Flow rate (max)	2000 cc/min		3000 cc/min	
Outlet pressure (min)	1.0 bars			
Outlet pressure (max)	Inlet pressure – 2.0 bar			
Nitrogen purity* ¹	>99.9999%		>99.998%	
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)	16 l/min		20 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	<35 kg			
Dimensions	Standard 19” Rack 8U – 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

6920.30.200

NG RACK 8U 2000

6920.30.300

NG RACK 8U 3000

Options

6920.31.010

CH4 scrubber for RACK NG generator

Consumable

6930.00.160

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



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