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## NG RACK 4U C

Ultra High purity Nitrogen generator  
RACK 19" casing with integrated  
compressor

The High purity NitroGen series **NG RACK 4U C** 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 4U C doesn't need an external source of air because it is equipped with an internal oil-free compressor and with the optional catalyst oven it is able to remove oxygen from air to less than 1 ppm and HC pollutants to less than 0.05ppm.

The available flows are: 150 cc/min and 500 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 5.5 bar
- ✓ Flow rate up to 500 cc/min
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ HC content < 0.05ppm with catalyst oven option





## Specifications

Models: NG RACK 4U	150 C	500 C
<b>N2 outlet</b>		
Flow rate (Max)	150 cc/min	500 cc/min
Outlet pressure (min)	1 bar (14.5 psi)	
Outlet pressure (Max)	5.5 bar (79.8 psi)	4 bar (58 psi)
Nitrogen purity <sup>*1</sup>	>99.9999%	
Outlet dew-point <sup>*2</sup>	<-50°C (-76°F) <-70°C (-94°F) <sup>*3</sup>	
Hydrocarbon content <sup>*4</sup>	< 0.05 ppm	
<b>Communication</b>		
LED interface	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)	200W (320 W)	
Fuse rating (5x20mm)	4A (250Vac – T)	
Net weight	27 kg	
Dimensions	Standard 19" Rack 4U – deep 54 cm	
Noise	< 55dB(A)	
<b>Connections</b>		
Outlet port	1/8" female BSPP	
<b>Operating conditions</b>		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]	
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 optional Desiccant column

<sup>\*4</sup> With optional Catalyst oven

### Ordering codes

#### Gas Generators

6920.30.150

NG RACK 4U 150 C

6920.30.500

NG RACK 4U 500 C

#### Options

6920.31.011

Catalyst oven for NG RACK 4U C

6920.31.012

Desiccant column for NG RACK 4U C

#### Consumable

6930.00.162

Filter elements for NG RACK 4U C

6930.00.163

Filter elements and components for NG RACK 4U C with Desiccant column