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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 (14.5 psi)	
Outlet pressure (Max)	Inlet pressure – 2.0 bar (29 psi)	
Nitrogen purity ^{*1}	> 99.9999%	> 99.9995%
Outlet Dew-point ^{*2}	< -60°C (-76°F)	
Hydrocarbon content ^{*3}	< 0.05 ppm	
Air inlet		
Air inlet requirement	ISO 8573-1:2010 Class [1:3:1]	
Flow rate (Max)	12 l/min	15 l/min
Supply pressure (min / Max)	6.5 bars (95 psi) / 10 bars (145 psi)	
Temperature (min / Max)	5°C (41°F) / 35°C (95°F)	
Communication		
LCD with touch screen	Standard	
RS232	Standard	
RS485	Standard	
General data		
Supply rating (min-Max)	100-240Vac (±10%) 50/60 Hz	
Connection type	IEC320-C14	
Nominal power (Max)	240W (280VA)	
Fuse rating (5x20mm)	4A -240Vac – T)	
Net weight	27 kg	
Dimensions	Standard 19" Rack 5U – deep 48 cm	
Connections		
Outlet port	1/8" BSPP female	
Inlet port	1/8" BSPP female	
Operating conditions		
Temperature	5-35°C (41-95°F)	
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]	
Noise	< 35dB(A)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	

*1 The purity refers to the residual oxygen

*2 Atmospheric Dew Point (ADP)

*3 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 generator

Consumable

6930.00.160

Filter elements for NG EOLO / NG RACK 5U



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