

NGA SIRIO

Ultra High purity Nitrogen and dry clean air
with long life pistons compressor integrated

NGA SIRIO produces laboratory high grade nitrogen and clean dry air 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 NGA SIRIO removes oxygen from air to less than 5 ppm and HC pollutants to less than 0.1ppm (if the optional scrubber is installed).

NGA SIRIO has smart low noise built-in pistons compressor, 100% oil-free.

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 / TOC
- Sample Evaporation
- Incubators

Main advantages

- ✓ Easy use and installation
- ✓ N2 Purities up to 99.9995 %
- ✓ Pressure up to 5.5 bar
- ✓ N2 flow rate up to 3 L/min + 3 L/min of dry air
- ✓ Long life and 100% oil free built-in compressor
- ✓ Reduced foot print
- ✓ Stackable with HG and ZA



Specifications



Models: NGA SIRIO		1500	3000
N2 outlet			
Flow rate (Max)		1500 cc/min	3000 cc/min
Outlet pressure (Max)		5.5 bar (80 psi)	
Nitrogen purity ^{*1}		> 99.9999%	> 99.9995%
Outlet Dew-point ^{*2}		<-60°C (-76°F)	
Outlet particulate		0.01 micron	
Hydrocarbon content ^{*3}		< 0.05 ppm	
Air outlet			
Flow rate (Max)		3000 cc/min	
Outlet pressure (Max)		5.5 bar (80 psi)	
Outlet Dew-point ^{*2}		<-60°C (-76°F)	
Communication			
	RS485	Standard	
	RS232	Standard	
General data			
Supply rating (min-Max)		100-115 Vac (±10%) 50/60 Hz or 230 Vac (±10%) 50/60 Hz	
Connection type		IEC320-C14	
Nominal power (max)		1000W	
Fuse rating (5x20mm)		10A (250VAC – T)	
Net weight		< 115kg	
Dimensions (W x D x H)		43 x 75 x 68 cm	
Pneumatic connections			
	N2 outlet port	1/4" female BSPP	
	Air outlet port	1/4" female BSPP	
Operating/storage conditions			
	Working Temperature	5-35°C (41-95°F)	
	Storage Temperature	1-50°C (34-122°F)	
	Humidity (max, non condensing)	70% [5-35°C (41-95°F)]	
	Noise	< 52 dB(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

6913.00.151

6913.00.301

Options

6930.00.006

6912.01.000

Consumable

6930.00.002

NGA SIRIO 1500

NGA SIRIO 3000

AIR CH4 scrubber oven for NGA SIRIO 3.0

CH4 scrubber for NG SIRIO / NGA SIRIO

Filter elements + silencers for NGA SIRIO



LNI Swissgas

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LNI Swissgas Srl

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