

N  
N<sub>2</sub>  
A

# 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
- ✓ N<sub>2</sub> Purities up to 99.9995 %
- ✓ Pressure up to 5.5 bar
- ✓ N<sub>2</sub> 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
<b>N2 outlet</b>		
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	
<b>Air outlet</b>		
Flow rate (Max)	3000 cc/min	
Outlet pressure (Max)	5.5 bar (80 psi)	
Outlet Dew-point *2	<-60°C (-76°F)	
<b>Communication</b>		
	RS485	Standard
	RS232	Standard
<b>General data</b>		
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	
<b>Pneumatic connections</b>		
N2 outlet port	1/4" female BSPP	
Air outlet port	1/4" female BSPP	
<b>Operating/storage conditions</b>		
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

NGA SIRIO 1500

6913.00.301

NGA SIRIO 3000

#### Options

6930.00.006

AIR CH4 scrubber oven for NGA SIRIO 3.0

6912.01.000

CH4 scrubber for NG SIRIO / NGA SIRIO

#### Consumable

6930.00.002

Filter elements + silencers for NGA SIRIO



LNI Swissgas

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LNI Swissgas Srl

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