

# NG SIRIO NC

Ultra High purity Nitrogen generator

**NG SIRIO NC** produces 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 SIRIO NC removes oxygen from air to less than 1 ppm and HC pollutants to less than 0.1ppm (if the optional CH4 scrubber is installed).

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
- ✓ Purities up to 99.9999 %
- ✓ Outlet Pressure up to 5.5 bar
- ✓ Flow rate up to 5 L/min
- ✓ Reduced foot print





## Specifications

Models: NG SIRIO NC	1500	3000	5000
N2 outlet			
Flow rate (Max)	1.5 l/min	3.0 l/min	5.0 l/min
Outlet pressure (Max)	5.5 bar (80 psi)		
Nitrogen purity <sup>*1</sup>	> 99.9999%		> 99.95%
Outlet Dew-point <sup>*2</sup>	<-60°C (-76°F)		
Outlet particulate	0.01 micron		
Air inlet			
Air inlet requirement	ISO 8573-1:2010 Class [1:3:1]		
Flow rate (Max)	15 l/min	30 l/min	45 l/min
Min supply pressure <sup>*3</sup>	7.5 bars (110psi)		
Max supply pressure	8.3 bars (120 psi)		
Temperature (min / Max)	1°C (34°F) / 35°C (95°F)		
Communication			
RS485	Standard		
RS232	Standard		
General data			
Supply rating (min-Max)	100-240 Vac (±10%) 50/60 Hz		
Connection type	IEC320-C14		
Nominal power (Max)	240 W		
Fuse rating (5x20mm)	6.3A (250 Vac – T)		
Net weight	80 kg		
Dimensions (W x D x H)	43 x 75 x 68 cm		
Pneumatic connections			
Inlet port	1/4” female BSPP		
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	< 48 dB(A)		
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> 7 bar (101.5psi) for the declared purity level

### Ordering codes

#### Gas Generators

6913.02.150

6913.02.300

6913.02.500

#### Options

6930.00.022

6912.01.000

#### Consumable

6930.00.083

NG SIRIO 1500 NC

NG SIRIO 3000 NC

NG SIRIO 5000 NC

CH4 scrubber for inlet air NG SIRIO NC

CH4 scrubber for NG(A) SIRIO / NG SIRIO NC

Kit filters for NG SIRIO NC



**LNI Swissgas**

[www.lni-swissgas.eu](http://www.lni-swissgas.eu)

LNI Swissgas Srl

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD