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NG SIRIO

Ultra High purity Nitrogen generator
with long life pistons compressor integrated

NG SIRIO 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 removes oxygen from air to less than 5 ppm and HC pollutants to less than 0.1ppm (if the optional scrubber is installed).

NG SIRIO is available with a 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
- ✓ Purities up to 99.9999 %
- ✓ Pressure up to 5.5 bar
- ✓ Flow rate up to 8 L/min
- ✓ Long life and 100% oil free built-in compressor
- ✓ Reduced foot print
- ✓ Stackable with HG and ZA



Specifications



Models: NG SIRIO	1500	3000	5000	8000
N2 outlet				
Flow rate (Max)	1500 cc/min	3000 cc/min	5000 cc/min	8000 cc/min
Outlet pressure (Max)	5.5 bar (79.7 psi)			
Nitrogen purity* ¹	> 99.9999%	> 99.9999%	> 99.99%	>99.7%
Outlet Dew-point	<-60°C (-76°F)			
Outlet particulate	0.01 micron			
Communication				
	RS485	Standard		
	RS232	Standard		
General data				
Supply rating	100-115 Vac 50/60Hz or 220-240Vac 50/60Hz			
Connection type	IEC320-C13			
Installation power (max)	1000W			
Fuse rating (5x20mm)	6.3A			
Net weight	<60 kg			
Dimensions (W x D x H)	430 x 580 x 630 mm			
Pneumatic connections				
Outlet port	1/8" 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%			
Noise	< 58 dB(A)			
IP rating	IP20			
Pollution degree rating	2 (with no aromatic compounds)			
Altitude	< 2000m			

*1 The purity refers to the residual oxygen

Ordering codes

Gas Generators

6913.00.150

6913.00.300

6913.00.500

Options

6912.01.000

6912.01.001

Consumable

6930.00.165

NG SIRIO 1500

NG SIRIO 3000

NG SIRIO 5000

CH₄ scrubber for SIRIO

CO₂ scrubber for SIRIO*²

Filter elements for NG SIRIO

*2 – Only for NG SIRIO 1500, CO₂ < 1ppm



LNI Swissgas

www.lni-swissgas.eu

For further
information or to
trial the equipment,
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