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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	5000 HP	8000	
N2 outlet						
Flow rate (Max)	1500 cc/min	3000 cc/min	5000 cc/min	5000 cc/min	16 l/min	8000 cc/min
Outlet pressure (Max)	5.5 bar (79.7 psi)	5.5 bar (79.7 psi)	5.5 bar (79.7 psi)	8 bar (116 psi)	6 bar (87 psi)	5.5 bar (79.7 psi)
Nitrogen purity* ¹	> 99.9999%	> 99.9999%	> 99.99%	99.9999%	>98%	>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	90 kg					
Dimensions (W x D x H)	430 x 750 x 660 mm					
Pneumatic connections						
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%					
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
6913.01.500
6913.00.800

NG SIRIO 1500
NG SIRIO 3000
NG SIRIO 5000
NG SIRIO 5000 HP
NG SIRIO 8000

Options

6912.01.000
6912.01.001
6930.00.099
6930.00.003

CH₄ scrubber for SIRIO
CO₂ scrubber for SIRIO*²
Fittings Installation kit SIRIO
WiFi Module for SIRIO

Consumable

6930.00.165

Filter elements for NG SIRIO

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



LNI Swissgas

www.lni-swissgas.eu