

H
N₂
A

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 CH₄ 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





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%	> 99.9995%	> 99.99%	99,999%	>98%	>99.7%
Outlet Dew-point ^{*2}	<-60°C (-76°F)					
Outlet particulate	0.01 micron					
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)	1000 W					
Fuse rating (5x20mm)	10A (250VAC – T)					
Net weight	90 kg					
Dimensions (W x D x H)	43 x 75 x 68 cm					
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% [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)

Ordering codes

Gas Generators

6913.00.150	NG SIRIO 1500
6913.00.300	NG SIRIO 3000
6913.00.500	NG SIRIO 5000
6913.01.500	NG SIRIO 5000 HP
6913.00.800	NG SIRIO 8000

Options

6912.01.000	CH ₄ scrubber for NG SIRIO / NGA SIRIO
6912.01.001	CO ₂ scrubber for SIRIO ^{*3}
6930.00.099	Fittings Installation kit SIRIO
6930.00.003	WiFi Module for SIRIO

Consumable

6930.00.165	Filter elements for NG SIRIO 1500 / 3000 / 5000 / 5000HP
6930.00.169	Filter elements for NG SIRIO 8000

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