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



Flow rate (Max) 1500 cc/min 3000 cc/min 5000 cc/min 5000 cc/min 6 l/min 8000 cc/min 5.5 bar 8 bar (79.7 psi) (79.7 psi) (116 psi) 6 bar (87 psi) 799.9999% > 99.9999% > 99.9999% > 99.99% > 99.99%	Models: NG SIRIO	1500	3000	5000	500	0 HP	8000
Outlet pressure (Max) (79.7 psi) (116 psi) (79.7 psi) (79.7 psi) (79.7 psi) (116 psi) (79.7 psi) (79.7 psi) (79.7 psi) (116 psi) (79.7 psi) (79.7 psi) (79.7 psi) (79.7 psi) (79.7 psi) (116 psi) (79.7 psi) (116 psi) (79.7 psi) (79.7 psi) (79.7 psi) (79.7 psi) (79.7 psi) (19.9 psi) (116 psi) (126 psi) (126 psi) (126 psi) (127 psi) (126 psi) (126 psi) (127 psi) (126 psi) (126 psi) (126 psi) (126 psi) (127 psi) (126	N2 outlet						
Outlet pressure (Max) Nitrogen purity** > 99.9999% > 99.9999% > 99.9999% > 99.9999% > 99.9999% > 99.9999% > 99.999%	Flow rate (Max)	1500 cc/min	3000 cc/min	5000 cc/min	5000 cc/min	16 l/min	8000 cc/mir
Nitrogen purity" > 99.9999% > 99.9999% > 99.9999 > 99.999% > 99.99% > 99.999% > 99.999% > 99.99% > 99.99% > 99.999% > 99.99% > 99.99% > 99.99% > 99.99% > 99.99% > 99.99% > 99.999% > 99.99% > 99.99% > 99.99% > 99.99% > 99.99% > 99.99% > 99.999% > 99.99% >	Outlet pressure (Max)					6 bar (87 psi)	5.5 bar (79.7 psi)
Outlet Dew-point ** Outlet particulate 0.01 micron RS485 Standard RS232 Standard General data 100-115 Vac (±10%) 50/60 Hz Supply rating (min-Max) 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 Poeumatic 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) Noise <52 dB(A) IP rating IP20 Pollution degree rating 2 (with no aromatic compounds)	Nitrogen purity*1					>98%	
Outlet particulate Communication RS485 RS232 Standard General data 100-115 Vac (±10%) 50/60 Hz Supply rating (min-Max) Connection type IEC320-C14 Nominal power (max) Fuse rating (5x20mm) Net weight Dimensions (W x D x H) Pneumatic connections Outlet port Operating/storage conditions Working Temperature Storage Temperature Storage Temperature Humidity (max, non condensing) Noise Plant I Storage I Storage I Storage I Prating Noise Pollution degree rating Pollution degree rating Pollution degree rating Pollution degree rating Ptass Standard St							
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IP rating IP20 Pollution degree rating 2 (with no aromatic compounds)	Noise			< 52	dB(A)		
Pollution degree rating 2 (with no aromatic compounds)	IP rating						
Altitude < 2000m		2 (with no aromatic compounds)					
	Altitude			< 20	00m		

^{*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	CH4 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



