

NGA SIRIO M

Ultra High purity Nitrogen and dry clean air with dryer membrane and long life pistons compressor integrated

NGA SIRIO M produces laboratory high grade nitrogen and clean dry air 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 NGA SIRIO M removes oxygen from air to less than 5 ppm and HC pollutants to less than 0.1ppm (if the optional scrubber is installed).

NGA SIRIO M has 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
- ✓ N₂ Purities up to 99.9995 %
- ✓ Pressure up to 5.5 Bar (80 psi)
- ✓ N₂ flow rate up to 3 L/min + 3 L/min of dry air
- ✓ Long life and 100% oil free built-in compressor
- ✓ Reduced foot print





Specifications

Models:	NGA SIRIO 1500 M	NGA SIRIO 3000 M
N2 outlet		
Flow rate (Max)	1500 cc/min	3000 cc/min
Outlet pressure (Max)	5.5 Bar (80 psi)	
Nitrogen purity ⁽¹⁾	> 99.9995%	
Outlet Dew-point ⁽²⁾	<-60°C (-76°F)	
Outlet particulate	0.01 micron	
Hydrocarbon content	< 0.1ppm	
Air outlet		
Flow rate (Max)	3000 cc/min	
Outlet pressure (Max)	5.5 Bar (80 psi)	
Outlet Dew-point ⁽²⁾	<-20°C (-4°F)	
Hydrocarbon content ⁽³⁾	< 0.05 ppm	
Communication		
RS-485	Standard	
RS-232	Standard	
General data		
Supply rating (min-Max) ⁽⁴⁾	220-240 VAC (±10%) @ 50/60 Hz or 110-120 VAC (±10%) @ 50Hz – 115-120 VAC (±10%) @ 60 Hz	
Connection type	IEC320-C14	
Power (Max)	1000 W	
Fuse rating	10A (250VAC – T) – 5x20 mm	
Net weight	< 115 kg	
Dimensions (W x D x H)	43 x 75 x 68 cm	
Pneumatic connections		
N2 outlet port	1/4" female BSPP	
Air 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)

(3) With option AIR CH₄ scrubber installed

(4) Adding the suffix ".110" to the standard code configures the unit for 115 VAC supply voltage

Ordering codes

Gas Generators

6913.04.150

6913.04.150.110

6913.04.300

6913.04.300.110

Options

6930.00.006

Consumable

6930.00.002

NGA SIRIO 1500 M

NGA SIRIO 1500 M 110 VAC

NGA SIRIO 3000 M

NGA SIRIO 3000 M 110 VAC

AIR CH₄ scrubber oven for NGA SIRIO 3.0

Filter elements + silencers for NGA SIRIO



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