

N  
N<sub>2</sub>  
A

# NG EOLO

## Ultra High purity Nitrogen generator

The High purity NitroGen series **NG EOLO** produce 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 EOLO, once connected to an external source of compressed air, removes oxygen from air to less than 1 ppm and HC pollutants to less than 0.05 ppm (if the optional scrubber is installed). The typical flows are: 500 Nml/min, 750 Nml/min, 1300 Nml/min and 4000Nml/min.

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
- Incubators

### Main advantages

- ✓ Easy use and installation
- ✓ Purities up to 99.9999 %
- ✓ Pressure up to 5 bar
- ✓ Flow rate up to 4 L/min
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ CH<sub>4</sub> oven scrubber option
- ✓ Stackable with HG and ZA





## Specifications

Models: NG EOLO	500	750	1300	4000
<b>N2 outlet</b>				
Flow rate (Max)	500 ml/min	750 ml/min	1300 ml/min	4000 ml/min
Outlet pressure (Max)	Air Inlet pressure – 2 bar			
Nitrogen purity* <sup>1</sup>	> 99.9999%	> 99.9999%	> 99.95%	> 99.0%
Outlet Dew-point	<-60°C (-76°F)			
Outlet particulate	0.01 micron			
Hydrocarbon	<0.05 ppm* <sup>2</sup>			
<b>Air inlet</b>				
Air inlet requirement	Particulate: <1 micron			
	Dewpoint: < -20°C (-4°F)			
	Oil: <0.01 mg/m <sup>3</sup>			
Flow rate (Max)	8 l/min	10 l/min	20 l/min	25 l/min
Supply pressure (min - Max)	7 bars (95 psi) - 10 bars (145 psi)			
Recommended temperature	< 30°C (86°F)			
<b>Communication</b>				
RS485	Standard			
RS232	Standard			
<b>General data</b>				
Supply rating	100-240Vac 50/60Hz			
Connection type	IEC320-C13			
Installation power (max)	240W (280VA)			
Fuse rating (5x20mm)	4A			
Net weight	<25 kg			
Dimensions (W x D x H)	270 x 480 x 280 mm			
<b>Connections</b>				
Outlet port	1/8" female BSPP			
Inlet port	1/8" female BSPP			
<b>Operating/storage conditions</b>				
Working Temperature	5-40°C (41-104°F)			
Storage Temperature	1-50°C (34-122°F)			
Humidity (max, non condensing)	70%			
Noise	< 25dB(A)			
IP rating	IP20			
Pollution degree rating	2 (with no aromatic compounds)			
Altitude	< 2000m			

\*1 The purity refers to the residual oxygen

\*2 with option CH4 scrubber installed

### Ordering codes

#### Gas Generators

6912.00.050

EOLO 500

6912.00.075

EOLO 750

6912.00.130

EOLO 1300

6912.00.400

EOLO 4000

#### Options

6930.00.300

CH4 scrubber for EOLO

#### Consumable

6930.00.160

Filter elements for NG EOLO



**LNI Swissgas**

[www.lni-swissgas.eu](http://www.lni-swissgas.eu)

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD