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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
- ✓ CH4 oven scrubber option
- ✓ Stackable with HG and ZA





Specifications

Models: NG EOLO	500	750	1300	4000
N2 outlet				
Flow rate (Max)	500 ml/min	750 ml/min	1300 ml/min	4000 ml/min
Outlet pressure (Max)	Air Inlet pressure – 2 bar (29 psi)			
Nitrogen purity *1	> 99.9999%	> 99.9999%	> 99.95%	> 99.0%
Outlet Dew-point *2	<-60°C (-76°F)			
Outlet particulate	0.01 micron			
Hydrocarbon	<0.05 ppm*3			
Air inlet				
Air inlet requirement	ISO 8573-1:2010 Class [1:3:1]			
Flow rate (Max)	8 l/min	10 l/min	20 l/min	25 l/min
Supply pressure (min - Max)	6.5 bars (95 psi) - 10 bars (145 psi)			
Recommended temperature	< 30°C (86°F)			
Communication				
RS485	Standard			
RS232	Standard			
General data				
Supply rating (min-Max)	100-240Vac (±10%) 50/60 Hz			
Connection type	IEC320-C14			
Nominal power (max)	240W (280VA)			
Fuse rating (5x20mm)	4A (250 Vac – T)			
Net weight	< 25 kg			
Dimensions (W x D x H)	27 x 48 x 28 cm			
Connections				
Outlet port	1/8" female BSPP			
Inlet port	1/8" female BSPP			
Operating/storage conditions				
Working Temperature	5-40°C (41-104°F)			
Storage Temperature	1-50°C (34-122°F)			
Humidity (max, non condensing)	70% [5-40°C (41-104°F)]			
Noise	< 35dB(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 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 / NG RACK 5U

DASTEC S.R.L.

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