

# 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 * <sup>1</sup>  |             | > 99.9999%                            | > 99.9999% | > 99.95%    | > 99.0%     |
| Outlet Dew-point * <sup>2</sup> |             | <-60°C (-76°F)                        |            |             |             |
| Outlet particulate              |             | 0.01 micron                           |            |             |             |
| Hydrocarbon                     |             | <0.05 ppm* <sup>3</sup>               |            |             |             |
| 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                               |            |             |             |

<sup>\*1</sup> The purity refers to the residual oxygen

<sup>\*2</sup> Atmospheric Dew Point (ADP)

<sup>\*3</sup> with option CH4 scrubber installed

### Ordering codes

#### Gas Generators

6912.00.050

6912.00.075

6912.00.130

6912.00.400

#### Options

6930.00.300

#### Consumable

6930.00.160

EOLO 500

EOLO 750

EOLO 1300

EOLO 4000

CH4 scrubber for EOLO

Filter elements for NG EOLO / NG RACK 5U



**LNI Swissgas**

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