

# NG EOLO XL ZNG EOLO XL

CH4 scrubber integrated

PSA UHP Nitrogen generator

The NG EOLO XL Ultra High Purity Nitrogen Generators are engineered to transform standard compressed air into a safe regulated supply of Nitrogen with a purity up to 99.9995%.

They are equipped with columns containing carbon molecular sieve that remove the oxygen, some hydrocarbons, moisture and carbon dioxide and subsequently release only ultra high pure Nitrogen gas.

The ZNG EOLO XL series is also equipped with a catalyst module to remove hydrocarbons (<0.1ppm).

Exclusive electronic flow control that allows to generate Nitrogen with higher purity using a smaller volume of air and consequent reducing energy costs and the maintenance of external compressor.

Continuous control of the operating parameters to maintain the system at its maximum efficiency.

## Main applications

- GC
- ICP
- TOD
- DMA
- TMA
- TGA
- DSC

## Main advantages

- ✓ Generates Nitrogen on demand from external compressed air
- ✓ Designed to run 24 hours a day
- ✓ Less bulky than the Nitrogen high pressure cylinders and safe improvement due to their elimination from laboratory
- ✓ Low power, low noise, low maintenance
- ✓ Internal Nitrogen tank
- ✓ Catalyst module to remove hydrocarbons in ZNG series



## Specifications



Models: NG EOLO XL	5	10	16	18	Z - 5	Z - 10	Z - 18
<b>N2 outlet</b>							
Flow rate (Max)	5 l/min	10 l/min	16 l/min	18 l/min	5 l/min	10 l/min	18 l/min
Outlet pressure (Max)	Air Inlet pressure – 2 bar						
Nitrogen purity	99.999% @ 5 l/min	99.999% @ 10 l/min	99.999% @ 16 l/min	99.999% @ 18 l/min	99.9995% @ 5 l/min	99.9995% @ 10 l/min	99.9995% @ 18 l/min
Outlet Dew-point	<-50°C (-58°F)						
Outlet particulate	0.01 micron						
Hydrocarbon content	-				< 0.1 ppm (in series ZNG)		
<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)	75 l/min	95 l/min	105 l/min	75 l/min	95 l/min	105 l/min	
Supply pressure (min-Max)	6.5 bars (95 psi) - 10 bars (145 psi)						
Recommended temperature	< 30°C (86°F)						
<b>Communication</b>							
LCD with touch-screen	Standard						
RS485	Standard						
RS232	Standard						
USB	Standard						
Digital I/O	Standard						
<b>General data</b>							
Supply rating	100-240Vac 50/60Hz						
Connection type	IEC320-C13						
Installation power (max)	280W						
Fuse rating (5x20mm)	4A - 250VAC						
Net weight	< 180 kg						
Dimensions (W x D x H)	35 x 34 x 120 cm						
<b>Connections</b>							
Outlet port	1/4" female BSPP						
Inlet port	1/4" female BSPP						
Drain port	Quick fitting for tube 8mm						
<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						

### Ordering codes Gas Generators

6920.72.005	NG EOLO XL 5 litres
6920.72.010	NG EOLO XL 10 litres
6920.72.016	NG EOLO XL 16 litres
6920.72.018	NG EOLO XL 18 litres
6920.72.105	ZNG EOLO XL 5 litres with CH4 scrubber
6920.72.110	ZNG EOLO XL 10 litres with CH4 scrubber
6920.72.118	ZNG EOLO XL 18 litres with CH4 scrubber

### Consumable

6930.00.143	Filter elements 8000 hours for NG EOLO XL
6930.00.143	Filter elements 16000 hours for NG EOLO XL



**LNI GGI srl**  
www.lni-swissgas.eu

**Registered office:** Via Sassoferato 1, 20135 Milano MI  
**Logistics centre:** Via E. Mattei 9, 35038 Torreglia PD



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