

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
N2 outlet							
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)		
Air inlet							
Air inlet requirement	Particulate: < 1 micron						
	Dewpoint: < -20°C (-4°F)						
	Oil: <0.01 mg/m³						
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)						
Communication							
LCD with touch-screen				Standard			
RS485				Standard			
RS232				Standard			
Digital I/O				Standard			
General data							
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			
Connections							
Outlet port				1/4" female BSPP			
Inlet port				1/4" female BSPP			
Drain port				Quick fitting for tube 8mm			
Operating/storage conditions							
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
6920.72.010
6920.72.016
6920.72.018
6920.72.105
6920.72.110
6920.72.118

NG EOLO XL 5 litres
NG EOLO XL 10 litres
NG EOLO XL 16 litres
NG EOLO XL 18 litres
ZNG EOLO XL 5 litres with CH4 scrubber
ZNG EOLO XL 10 litres with CH4 scrubber
ZNG EOLO XL 18 litres with CH4 scrubber

Consumable

6930.00.143
6930.00.144

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



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