

# COSMOS N2.M

Nitrogen Gas generator for ELSD & LC-MS

Reference : COSMOS.N2.M.[Flow rate]



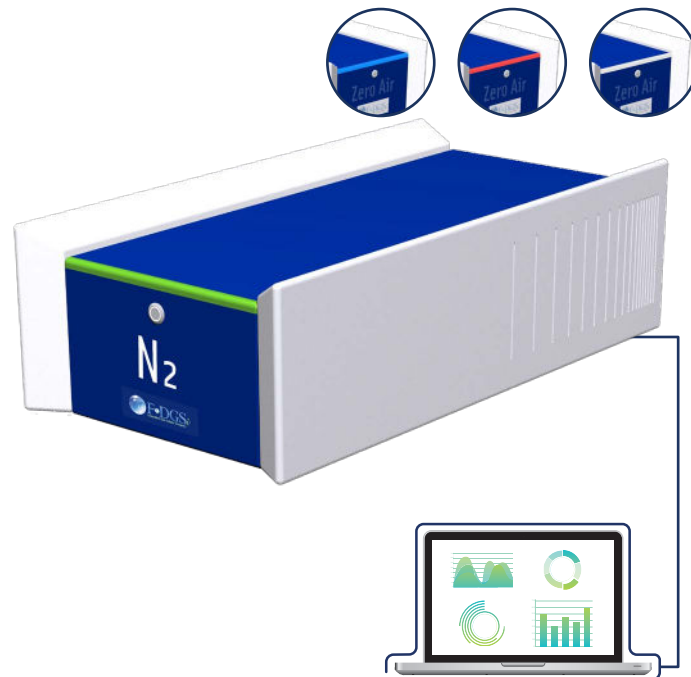
## Description

The COSMOS N2.M provide a nitrogen solution for ELSD and Compact Mass Spectrometer. The COSMOS N2.M generator produces dry and hydrocarbon-free nitrogen, using air from external oil-free compressor.

Utilizing Advanced membrane technology of separating Nitrogen and Oxygen to produce high quality Nitrogen gas on demand 24/7.

This complete turnkey system is engineered with the highest quality components, is easy to install and requires only minimal annual maintenance.

The ergonomic, compact and stackable design allows to be placed on a benchtop or to be combined with the COSMOS AIR COMPRESSOR for labs without an in-house air supply.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

## Applications

Up to 2 x ELSD instruments

1 x Compact Mass Spectrometer

## Benefits & Savings

### INCREASED LABORATORY EFFICIENCY

A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

### IMPROVED ECONOMY

Pure nitrogen gas produced as standard.

### IMPROVED SAFETY

Nitrogen produced at low pressure and ambient temperature removes the need for high pressure cylinders.

### SECURITY OF SUPPLY

Can be stacked with the COSMOS Air Compressor as an option guarantees continuous gas supply, independent of in house compressed air supply.

### SIMPLE INSTALLATION

Gas generators can be installed in the laboratory, on a bench, eliminating the need for long gas lines from cylinders secured elsewhere.

## Standard Features

- N2 flow rate: Up to 12 L/min
- Purity: Up to 99.5%
- Pressure: Up to 7 bar (101 psi)
- External clean and dry air compressor required
- Compact, space-saving modular stackable design
- Compatible with COSMOS Air Compressor
- LED indicators status (Ready, Stand-by, Alarm, Off)
- Remote PC monitoring and diagnostic analysis via USB/RS232 to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)

N2

MODELS		COSMOS.N2.M.1200
<b>GENERALS INFORMATIONS NITROGEN</b>		
N2 flow rate L/min	12	
N2 Purity	Up to 99.5%	
Outlet pressure	Up to 7 bar (101 psi); user adjustable	
Min/Max Air inlet pressure	5.5 bar - 8.9 bar / 80 - 130 psi	
Min Air Inlet Flow	26 L/min	
Min inlet Air quality	ISO8573 - 1:2010 1.4.1	
Contaminants	Phthalate & BHT Free	
Outlet particule	< 0.01 µ	
LED indicators status	Ready, Stand-by, Alarm, Off	
Dimensions (W x H x D)	30 x 15 x 54 cm (12" x 6" x 21")	
Weight (kg/lbs)	12 / 26.4	
Power consumption	6 W	
Heat Output	21.74 BTU/Hr	
Electrical supply	110 - 120 V 60 Hz / 220 - 240 V 50 Hz	
<b>CONNECTIONS</b>		
Inlet / Outlet	G 1/4" (BSP) Female	
<b>COMMUNICATION</b>		
USB/RS232/PC Control	In series	
<b>OPERATING/STORAGE CONDITIONS</b>		
Temperature range	From 5 - 35°C (41 - 95°F) and humidity 80% to 25°C (77°F)	
Noise	< 25 dB	
IP Rating	IP20	
COSMOS AIR COMPRESSOR	110V	230V
Part Number	COSMOS AIR.COMP-USA	COSMOS AIR.COMP-EU

## GoldService

Satisfaction Guaranteed

The products are guaranteed 24 months\*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSI and a priority intervention in case of failure.

\*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSI-approved agent in accordance with fixed annual maintenance schedule.

For full terms and conditions, visit [www.f-dgs.com](http://www.f-dgs.com)



F-DGSI France  
 8, 10 rue du Bois Sauvage, bat Q18 - 91000 Evry France  
 Tel. : +33(0)1 64 98 21 00  
 Fax. : +33(0)1 64 98 00 43

Email : [info@f-dgs.com](mailto:info@f-dgs.com)  
 Web : [www.f-dgs.com](http://www.f-dgs.com)

Certified Product

