

COSMOS RACK.N2 / ZN2

Nitrogen Gas Generator 19"

Reference : COSMOS.RACK.N2.[Flow rate] / RACK.ZN2.[Flow rate]



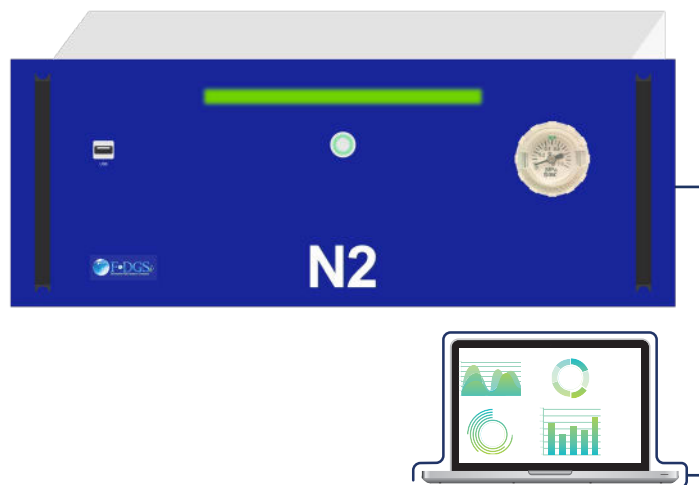
Description

The COSMOS RACK.N2 / ZN2 is designed to produce safe regulated supply of high purity up to 99,9995% for GC-make-up, GC-carrier gas, headspace vial pressurization, purge, trap, tube conditioning for thermal desorption and mud logging.

The COSMOS RACK Nitrogen use the reliable and efficient pressure swing absorption (PSA) technique using carbon molecular sieve to remove oxygen and moisture to produce high purity Nitrogen.

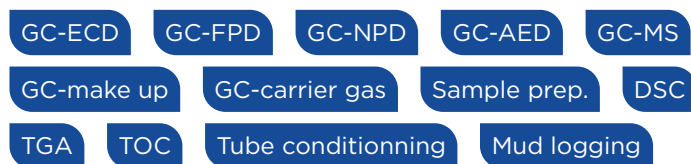
The COSMOS RACK.N2 / ZN2 is built with a catalyst to remove hydrocarbon < 0.05 ppm.

The COSMOS RACK Nitrogen can be stacked to any COSMOS RACK module (Hydrogen, Zero Air, Air Compressor) to give you a complete self contained GC gas solution.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Applications



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 RACK 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 or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere.

Standard Features

- Flow rate: 600 and 1000 cc/min
- N2 Purity > 99,9995%
CH4 < 0.05 ppm with Catalyst Module (RACK.ZN2)
- Suitable for carrier gas and detector gas
- Ultra-fast start-up time, to reach operating purity
- Minimum maintenance with annual filters change
- Fully regenerative PSA technology: reduced risk of gas contamination and phthalate free
- Pressure setting via a front regulator with gauge
- Remote PC monitoring and diagnostic analysis via USB to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)
- LED indicators status (Ready, Warm up, Stand-by, Alarm, Off)
- Compatible with COSMOS RACK Air Compressor



N2

MODELS	RACK.N2.600	RACK.N2.1000	RACK.ZN2.600	RACK.ZN2.1000	
NITROGEN OUTLET					
N2 flow rate L/min via O2 content	5 ppm > 99.9995%	0.6	1.0	0.6	1.0
Catalyst module	N/A		< 0.05 ppm (CH4)		
Outlet pressure	5.5 bar (80 psi)				
N2 dewpoint	< -60°C (-76°F)				
Start-Up time for purity	1 hour				
Outlet particule	< 0.01 µ				
AIR INLET REQUIREMENT					
Min/Max Air inlet pressure	6 - 8 bar / 87 - 116 psi				
Inlet Air quality	ISO8573 - 1:2010 1.2.1				
Inlet Air flow rate	12 L/min	15 L/min	12 L/min	15 L/min	
GENERALS INFORMATIONS					
LED indicators status	Ready, Warm up, Stand-by, Alarm, Off				
Dimensions	Standard 19" Rack 4U - depth 50 cm				
Weight (kg/lbs)	27 / 59.5				
Power consumption	40 W		240 W		
Fuse rating (5x20mm)	4 A - 240 V ac - T				
Electrical supply	110 - 120 V 60 Hz / 220 - 240 V 50 Hz				
CONNECTIONS					
Inlet / Outlet connection	1/4 NPT / 1/8 NPT				
COMMUNICATION					
USB/PC Control	Standard				
Remote control software via ethernet	Option				
OPERATING/STORAGE CONDITIONS					
Temperature range	From 5 - 35°C (41 - 95°F) and humidity 80% to 25°C (77°F)				
Noise	< 25 dB				
IP Rating	IP20				
COSMOS RACK AIR COMPRESSOR	110V		230V		
Part Number	COSMOS RACK AIR.COMP-USA		COSMOS RACK 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

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Certified Product

