

COSMOS RACK.ZA

Zero Air Gas Generator 19"

Reference : COSMOS.RACK.ZA.[Flow rate]



Description

The COSMOS RACK Zero Air generator utilizes compressed air that is prefiltered to 0.1 microns and then purified using a heated catalyst module. The output zero air is free from hydrocarbons including methane and carbon monoxide to < 0.05 ppm. A post filtration filter of 0.01 micron is used to prevent any kind of particles from entering the instrument. This purity level produces a low signal to noise ratio, ensuring a flat and stable analyser baseline.

Designed with safety and convenience in mind, this system will be eliminating the need for inconvenient high pressure gas cylinders.

The ergonomic, compact and silent design makes the COSMOS RACK Zero Air series the ideal solution for the following analytical applications.

Applications



Benefits & Savings

BETTER DETECTOR PERFORMANCE

The reduction of hydrocarbons, including methane to < 0.05 ppm decreases the background noise level and gives the baseline much better stability, considerably increasing detector sensitivity and ensuring precise analytical results.

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.

SAVE MONEY

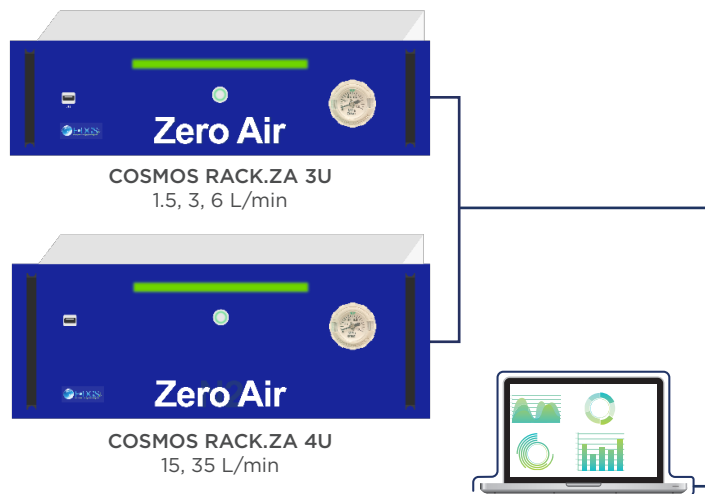
The unit only requires connection to a suitable socket and to external source of compressed air. The investment can be paid back in less than one year.

IMPROVED SAFETY

Zero air produced at low pressure and ambient temperature removes the need for high pressure cylinders

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



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

Standard Features

- Various flow rate: 1.5, 3, 6, 15, 35 L/min
- Purity:
HC < 0.05 ppm
CO < 0.05 ppm
- Pressure: up to 6.5 bar (94 psi)
- External clean and dry air compressor required (COSMOS Rack Compressor)
- LED indicators status (Ready, Stand-by, Alarm, Off)
- Pressure setting via a front regulator with gauge
- Minimal maintenance with only annual filter change
- 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)



MODELS	RACK.ZA.1500	RACK.ZA.3000	RACK.ZA.6000	RACK.ZA.15000	RACK.ZA.35000
ZERO AIR OUTLET					
Zero air flow rate (L/min)	1.5	3	6	15	35
HC/CO outlet content	< 0.05 ppm				
Zero air pressure outlet (min)	Inlet pressure - 0.5 bar (8 psi) @ maximum flow				
Zero air pressure outlet (max)	6.5 bar (94 psi)				
Starting time	45 min				
INLET AIR REQUIREMENT					
Water Dew Point at the inlet	< -20°C (-4°F)				
HCs concentration Max. at the inlet	100 ppm				
Maximum inlet air temperature	40°C (104°F)				
Inlet air pressure (min/max)	4.5 - 10 bar (65 - 145 psi)				
GENERALS INFORMATIONS					
Temperature range	From 5 - 35°C (4 - 95°F) and humidity 80% to 25°C (77°F)				
LED indicators status	Power on/off; system ready or errors				
Noise level @ 1M	< 25 dB (A)				
IP rating	IP20				
Dimensions	Standard 19" Rack 3U - depth 50 cm		Standard 19" Rack 4U - depth 50 cm		
Weight (kg/lbs)	10 / 22		15 / 33		
Power consumption max.	240 W (280 V ac)				
Fuse rating (5x20mm)	4 A				
Electrical supply	100 - 240 V ac - 50 Hz/60 Hz				
CONNECTION					
Inlet / Outlet connection	1/4 NPT / 1/8 NPT				
COMMUNICATION					
USB port	Standard				
Remote control software via ethernet	Option				
OPTIONS					
Available with integrated compressor	Yes				
COSMOS RACK AIR COMPRESSOR	110V		230V		
Part Number	COSMOS.RACK.AIR.COMP-US		COSMOS.RACK.AIR.COMP		

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

F-DGSI France
365 avenue de Rio, 77127 Lieusaint France
Tel. : +33(0)1 64 98 21 00
Fax. : +33(0)1 64 98 00 43

Email : info@f-dgs.com
Web : www.f-dgs.com

Certified Product

