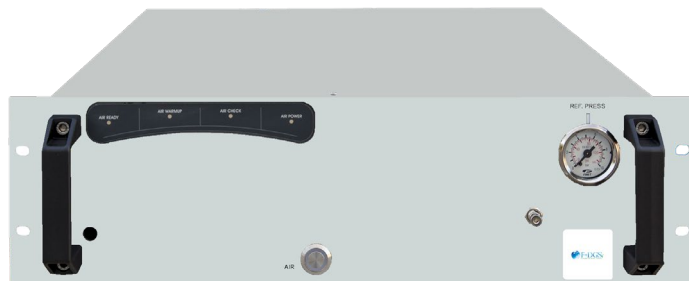


Description

The RACK.Zero Air generators produce dry and hydrocarbon-free air, using air from oil-free compressors, thus avoiding the need to use traditional bottles that are often complex to change. Designed with safety and convenience in mind, this system will eliminating the need for inconvenient high pressure gas cylinders.

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 silent design makes the RACK-Zero Air series the ideal solution for the following analytical applications



Applications

GC-FID

GC-FPD

GC-NPD

THA

CO2 analyser

Gas sensing

Standard Features

- Various flow rate: 1.8, 5, 10, 15 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

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

MODELS	RACK.ZA.1800	RACK.ZA.5000	RACK.ZA.10000	RACK.ZA.15000
GENERALS INFORMATIONS ZERO AIR				
Zero air flow rate (L/min)	1.8	5	10	15
HC/CO outlet content	< 0.05 ppm			
Zero air pressure outlet	6.5 bar (94 psi) - 0.5 bar (8 psi) at maximum flow			
Starting time	45 min			
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 (W x H x D)	Standard 19" Rack 3U - depth 54 cm			
Weight (kg/lbs)	8 / 17		9 / 20	18 / 40
Power consumption	From 100 W to 200 W depending on models			
Electrical supply	110 - 120 V 50 Hz / 220 - 240 V 60 Hz			
GENERALS INFORMATIONS FOR INLET AIR				
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)			
CONNECTION				
Inlet connection	1/4 NPT			
Outlet connection	1/8 NPT			

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

GS: TECNOLOGIA APLICADA

Certified Product

