

RACK ZA FID Air

Zero Air generator RACK version



The AirGen series RACK ZA FID is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. Very compact, the RACK ZA FID Air can purify up to 30 L/min of compressed Air and can bear a pressure up to 7 bar (101 PSI). The filtration of the hydrocarbons is performed by using a catalytic oven filled with palladium. The reduction of hydrocarbons, including methane, and carbon monoxide decrease the background noise level and gives much better baseline stability, considerably increasing detector sensitivity and ensuring precise analytical results. High efficiency coalescing pre-filtration and post filtration of particulate size greater than 0.01 microns are used to prevent any kind of particles from entering the analytical device. The RACK ZA FID has a very simple and efficient interface. It can also be managed by the HydroGen series and is ideal to supply Hydrocarbon free Air to FID detectors.

Main Applications

- GC-FID
- GC-NPD
- GC-FPD
- GC-PFPD
- THA
- Gas sensing

Main advantages

- ✓ Easy use
- ✓ Quick installation
- ✓ High flow rate up to 30 L/min
- ✓ Pressure up to 7 bar
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print (19 inch rack 2U or 4U)

RACK ZA 2U 1.5 – 3.0 – 6.0



RACK ZA 4U 15.0 – 30.0





Specifications

Models: RACK ZA FID Air	1.5	3.0	6.0	15,0	30,0
Zero Air outlet					
Flow rate (Max)	1.5 l/min	3.0 l/min	6.0 l/m	15.0 l/min	30.0 l/min
Outlet pressure (min)	Inlet pressure – 0.5 bars (8 psi) @ maximum flow				
Outlet pressure (Max)	6.5 bars (94 psi)				
Total hydrocarbon content	< 0.05ppm				
Air inlet					
Max inlet hydrocarbon content	100ppm				
Min supply pressure	3 bars (43psi)				
Max supply pressure	10 bars (145 psi)				
Dew point	< -20°C				
Temperature (min; Max)	1°C (34°F); 35°C (95°F)				
Communication					
RS485	Standard				
General data					
Supply voltage	100-240Vac 50/60Hz				
Connection type	IEC320-C13				
Installation power (Max)	240W (280VA)				
Fuse rating (5x20mm)	4A				
Dimensions	Standard 2U rack (48 cm deep)			Standard 4U rack (40 cm deep)	
Net weight	< 13 kg			< 15 kg	
Connections					
Outlet port	1/8" female BSPP				
Inlet port	1/8" female BSPP				
Water purge	Threaded ISO M5 female				
Operating conditions					
Temperature	5-35°C (41-95°F)				
Humidity (max, non condensing)	80% at 25°C (77°F)				
Noise	<25dB(A)				
IP rating	IP20				



Ordering codes

Gas Generators

6920.27.015

6920.27.030

6920.27.060

6920.27.150

6920.27.300

Consumable

6930.00.150

RACK ZA FID 1.5 2U

RACK ZA FID 3.0 2U

RACK ZA FID 6.0 2U

RACK ZA FID 15.0 4U

RACK ZA FID 30.0 4U

Inlet filter Cartridge for ZA-FID



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