

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 50 L/min of compressed Air and can bear a pressure up to 6.5 bar (94 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 50 L/min
- ✓ Pressure up to 6.5 bar
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print (19 inch rack 2U or 4U)

ZA RACK FID 2U: 1.5 – 3.0 – 6.0



ZA RACK FID 4U: 15.0 – 30.0



ZA RACK FID 4U 50.0



R Evolution
in Gas Generators

Specifications

Models: ZA RACK FID	1.5	3	6	15	30.0	50.0
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	50.0 l/min
Outlet pressure (Max)	Inlet pressure – 0.5 bars (8 psi) or 6.5 bars (94 psi)					
Total hydrocarbon content	< 0.05ppm					
Air inlet						
Air Inlet requirement	ISO 8573-1:2010 Class [2:4:1]					
Max inlet hydrocarbon content	100ppm					
Min supply pressure	3 bars (43psi)					
Max supply pressure	10 bars (145 psi)					
Temperature (min; Max)	1°C (34°F); 35°C (95°F)					
Communication						
RS485	Standard					
General data						
Supply voltage	100-240Vac (±10%) 47..63Hz					
Connection type	IEC320-C14					
Nominal power (Max)	70 W (200 W)			140 W (240 W)		
Fuse rating (5x20mm)	4A (250 VAC – T)					
Dimensions	Standard 2U rack (48 cm deep)			Standard 4U rack (40cm deep / 65cm deep for 50.0)		
Net weight	13 kg			18 kg		20kg
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	< 35dB(A)					
IP rating	IP20					



Ordering codes

Gas Generators

6920.27.015	ZA RACK FID 2U 1.5
6920.27.030	ZA RACK FID 2U 3.0
6920.27.060	ZA RACK FID 2U 6.0
6920.27.150	ZA RACK FID 4U 15
6920.27.300	ZA RACK FID 4U 30
6920.27.500	ZA RACK FID 4U 50

Consumable

6930.00.017	Filters elements for ZA RACK series / HGA 2U series / HGA ST series
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