



INSTRUMENTS
ANALYTICAL SOLUTIONS



ZA FID Air
Zero Air generator

AIRGEN

The AirGen series **ZA FID Air** is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. Very compact, the **ZA FID Air** can purify up to 15 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 **ZA FID Air** has a very simple and efficient interface. It can also be managed by the HydroGen series **HG PRO** and **HG BASIC** 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 and quick installation
- High flow rate up to 15 l/min
- Pressure up to 7 bar
- RS 485 as standard
- Purity: < 0.05 ppm THC
- No maintenance
- Reduced foot print
- Stackable with HG BASIC and HG PRO

Specifications

ZA FID Air	1.5	3.0	6.0	15.0
Zero Air outlet				
Flow rate (Max)	1.5 l/min	3.0 l/min	6.0 l/min	15.0 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	< 0.05 ppm			
Air inlet				
Max inlet hydrocarbon content	100 ppm			
Min supply pressure	3 bars (43 psi)			
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	100-240 VAC 50/60 Hz			
Connection type	IEC320-C13			
Installation power (Max)	240 W (280 VA)			
Fuse rating (5x20 mm)	4A			
Dimensions	44 x 27 x 14(H) cm			
Net weight	<8 kg		<10 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	<25 dB(A)			
IP rating	IP20			

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Gas Generators	
6920.25.015	ZA FID AIR 1.5
6920.25.030	ZA FID AIR 3.0
6920.25.060	ZA FID AIR 6.0
6920.25.150	ZA FID AIR 15.0
Consumable	
6930.00.150	Inlet filter Cartridge for ZA-FID

Ordering codes