

ZA FID AIR C

Zero Air generator with integrated air compressor

Main Applications

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

The AirGen series **ZA FID AIR C** is able to remove the total hydrocarbons to less than 0.05 ppm. Very compact, the **ZA FID AIR C** is available with a low noise built-in pistons compressor, 100% oil-free.

The filtration of the hydrocarbons is performed 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 C** 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 advantages

- ✓ Easy use and quick installation
- ✓ High flow rate up to 6 L/min
- ✓ Pressure up to 7 bar
- ✓ RS 485 and RS232 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ Dew-point < -30°C
- ✓ Reduced foot print
- ✓ Stackable with HG BASIC and HG PRO





Specifications

Models: ZA FID AIR C	1.5	3.0	6,0
Zero Air outlet			
Flow rate (Max)	1.5 l/min	3.0 l/min	6.0 l/min
Outlet pressure (min)	2 bar (29 psi)		
Outlet pressure (Max)	7 bar (100 psi)		
Total hydrocarbon content	< 0.05ppm		
Dew-point *1	< -30°C (-22°F)		
Communication			
RS485	Standard		
RS232	Standard		
General data			
Supply voltage	110 or 230Vac (±10%) 50/60 Hz		
Connection type	IEC320-C14		
Nominal power (Max)	750W		
Fuse rating (5x20mm)	10A (250Vac – T)		
Dimensions (W x D x H)	27 x 44 x 41 cm		
Net weight	35 kg		
Noise	58dB(A) @ 1,5 m from front		
Connections			
Outlet port	1/8" female BSPP		
Water drain port	1/8" female BSPP		
Operating conditions			
Temperature	5-35°C (41-95°F)		
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]		
IP rating	IP20		

*1 Atmospheric Dew Point (ADP)

Ordering codes

Gas Generators

6920.25.115

ZA FID AIR C 1.5

6920.25.130

ZA FID AIR C 3.0

6920.25.160

ZA FID AIR C 6.0

Consumable

6930.00.180

Filter elements for ZA FID AIR C