

ZA FID AIR C PLUS

Zero Air generator with integrated air compressor

IN
A_{ir}

Main Applications

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

The AirGen series **ZA FID AIR C PLUS** is able to remove the total hydrocarbons to less than 0.05 ppm. Very compact, the **ZA FID AIR C PLUS** 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 PLUS** 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
- ✓ Flow rate up to 30 L/min
- ✓ Pressure up to 9 bar (130 psi)
- ✓ RS 485 and RS 232 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ Long life and 100% oil free built-in compressor
- ✓ Silent technology: < 52 dB(A)
- ✓ No maintenance
- ✓ Reduced foot print





Specifications

Models: ZA FID AIR C PLUS	1,5	3,0	6,0	15,0	30,0
Zero Air outlet					
Flow rate (Max)	1.5 l/min	3 l/min	6 l/min	15 l/min	30 l/min
Outlet pressure (min)	2 bar (29 psi)				
Outlet pressure (Max)	9 bar (130 psi)				
Total hydrocarbon content	< 0.05ppm				
Dewpoint *1	< -30°C (- 22°F)				
Communication					
RS485	Standard				
RS232	Standard				
General data					
Supply voltage	115 Vac (±10%) 50/60 Hz or 230 Vac (±10%) 50/60 Hz				
Connection type	IEC320-C14				
Nominal power (Max)	1000W				
Fuse rating (5x20mm)	10A (250Vac – T)				
Dimensions (W x D x H)	43 x 75 x 68 cm				
Net weight	90 kg				
Connections					
Outlet port	1/4" female BSPP				
Operating/storage conditions					
Operating temperature	5-35°C (41-95°F)				
Storage temperature	1-50°C (34-122°F)				
Humidity (max, non condensing)	80% [5-35°C (41-95°F)]				
Noise	<52 dB(A)				
IP rating	IP20				

*1 Atmospheric Dew Point (ADP)

Ordering codes Gas Generators

6920.28.015	ZA FID AIR C PLUS 1.5
6920.28.030	ZA FID AIR C PLUS 3.0
6920.28.060	ZA FID AIR C PLUS 6.0
6920.28.150	ZA FID AIR C PLUS 15.0
6920.28.300	ZA FID AIR C PLUS 30.0

Consumable 6930.00.180

Filter elements for ZA FID AIR C / ZA FID AIR C PLUS