

# ZA FID Air

## Zero Air generator

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 30 L/min of compressed Air and can bear a pressure up to 7 bar (101.5 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 30 L/min
- ✓ Pressure up to 7 bar (101.5 psi)
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ Stackable with HG BASIC and HG PRO





## Specifications

Models: ZA FID Air	1.5	3.0	6.0	15.0	30.0
<b>Zero Air outlet</b>					
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 (Max)	7 bar (101.5 psi)				
Total hydrocarbon content	< 0.05ppm				
<b>Air inlet</b>					
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)				
<b>Communication</b>					
RS485	Standard				
<b>General data</b>					
Supply voltage	100-240Vac (±10%) 50/60Hz				
Connection type	IEC320-C14				
Nominal power (Max)	70 W (200 W)		140 W (240 W)		
Fuse rating (5x20mm)	4A (250VAC – T)				
Dimensions (W x D x H)	27 x 47 x 14 cm				
Net weight	< 8 kg		< 10 kg		< 12 kg
<b>Connections</b>					
Outlet port	1/8" female BSPP				
Inlet port	1/8" female BSPP				
Water purge	Threaded ISO M5 female				
<b>Operating conditions</b>					
Temperature	5-35°C (41-95°F)				
Humidity (max, non condensing)	80.00% [5-35°C (41-95°F)]				
Noise	< 35dB(A)				
IP rating	IP20				



### Ordering codes

#### 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
6920.25.300	ZA FID AIR 30.0

#### Options

6930.00.024	Installation kit for ZA FID
6930.00.041	Remote contact

#### Consumable

6930.00.150	Filter cartridges for KZA FID / ZA-FID / ZA TOTAL
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