

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 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
- ✓ 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
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
Outlet pressure (Max)	Inlet pressure – 0.5 bars (8 psi) or 6.5 bar (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 (250VAC – T)				
Dimensions (W x D x H)	44 x 27 x 14 cm				
Net weight	< 8 kg			< 10 kg	< 12 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	< 35dB(A)				
IP rating	IP20				



Ordering codes Gas Generators

6920.25.015
6920.25.030
6920.25.060
6920.25.150
6920.25.300

Consumable

6930.00.150

ZA FID AIR 1.5
ZA FID AIR 3.0
ZA FID AIR 6.0
ZA FID AIR 15.0
ZA FID AIR 30.0

Kit filters for ZA-FID



LNI Swissgas
www.lni-swissgas.eu