

KZA FID Air

Zero Air generator

The AirGen series **KZA FID Air** is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. Very compact, the KZA FID Air can purify up to 3 L/min of compressed Air and can bear a pressure up to 6.5 bar (94 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 KZA FID Air has a very simple and efficient interface. It can also be managed by the Hydrogen series KUBE 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 3 L/min
- ✓ Pressure up to 6.5 bar
- ✓ RS 485 as standard
- ✓ Purity: < 0.05 ppm THC
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ Stackable with KUBE





Specifications

Models: KZA FID Air	1.5	3.0
Zero Air outlet		
Flow rate (max)	1.5 l/min	3.0 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	< 0.05ppm	
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)	240W (280VA)	
Fuse rating (5x20mm)	4A (250Vac – T)	
Dimensions (WxDxH cm)	26x30x13 (Max footprint without external filter/regulator assembly)	
	26x40x16 (Max footprint with external filter/regulator assembly)	
Net weight	< 8 kg	
Connections		
Outlet port	1/8" female BSPP	
Inlet port	1/8" female BSPP	
Water purge	Threaded ISO M5 female	
Operating conditions		
Working Temperature	5-40°C (41-104°F)	
Storage Temperature	1-50°C (34-122°F)	
Humidity (max, non condensing)	80% at 25°C (77°F)	
Noise	<35dB(A)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	< 2000m	



Ordering codes

Gas Generators

6920.26.015

KZA FID Air 1.5

6920.26.030

KZA FID Air 3.0

Consumable

6930.00.150

Inlet filter cartridge for ZA FID / ZA TOTAL / KZA FID



LNI Swissgas

www.lni-swissgas.eu

LNI Swissgas Srl

Registered office: Via Sassoferato 1, 20135 Milano MI

Logistics centre: Via E. Mattei 9, 35038 Torreglia PD