



INSTRUMENTS
ANALYTICAL SOLUTIONS

KZA FID Air

Zero Air generator



AIRGEN

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 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 **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 7 bar
- RS 485 as standard
- Purity: <0.05 ppm THC
- No maintenance
- Reduced foot print
- Stackable with KUBE

Specifications

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	<0.05 ppm	
	Air inlet	
Max inlet hydrocarbon content	100 ppm	
Min supply pressure	3 bars (43 psi)	
Max supply pressure	10 bars (145 psi)	
Dew point	<-20°C	
Temperature (Min; Max)	1°C (34°F); 35°C (95°F)	
	Communication	
RS485	Standard	
	General data	
Supply voltage	100-240 VAC 50/60 Hz	
Connection type	IEC320-C13	
Installation power (Max)	240 W (280 VA)	
Fuse rating (5 x 20 mm)	4 A	
Dimensions	25 x 30 x 17(H) cm	
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	<25 dB(A)	
IP rating	IP20	
Pollution degree rating	2 (with no aromatic compounds)	
Altitude	<2000 m	

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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 Air

Ordering codes

