



# AIRGEN

The AirGen **series ZA-HC** is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. If higher purity is requested, then the **ZA-Total** will also remove other pollutant like Humidity, CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub> and Hydrocarbons. Very small in size, the **ZA-HC** and **ZA-Total** can filter up to 15 l/min of compressed Air and can withstand a pressure up to 7 bar (101 psi). 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. The hydrocarbons and CO are removed with a catalytic oven filled with palladium, the Humidity and CO<sub>2</sub> is removed with a dual molecular sieve PSA system, NO is removed with Purafil and other components

are removed with with an active charcoal filter.

## 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 15 l/min
- Pressure up to 7 bar
- RS 485 as standard
- Purity:
  - < 0.05 ppm THC
  - < 0.1 ppm CO NO<sub>x</sub> SO<sub>2</sub>
  - < 5 ppm CO<sub>2</sub>
- No maintenance
- Reduced foot print
- Compatible with HG BASIC and HG PRO

# Specifications

ZA TOTAL Air	1.5	3.0	6.0	15.0
	<b>Zero Air outlet</b>			
Flow rate (Max)	1.5 l/min	3.0 l/min	6.0 l/m	15.0 l/min
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			
Total CO <sub>x</sub> SO <sub>2</sub>	< 0.1 ppm			
Total CO <sub>2</sub>	< 5 ppm			
Dewpoint	< -50°C			
	<b>Air inlet</b>			
Max inlet hydrocarbon content	100 ppm			
Min supply pressure	3 bars (43psi)			
Max supply pressure	10 bars (145 psi)			
Dew point	<5°C			
Temperature (Min; Max)	1°C (34°F); 35°C (95°F)			
	<b>Communication</b>			
RS485	Standard			
	<b>General data</b>			
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	44 x 27 x 28(H) cm			
Net weight	<18 kg		<20 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% at 25°C (77°F)			
Noise	<25 dB(A)			
IP rating	IP20			

# ZA TOTAL Air

## Zero Air generator

<b>Gas Generators</b>	
6920.40.015	ZA TOTAL 1500
6920.40.030	ZA TOTAL 3000
6920.40.060	ZA TOTAL 6000
6920.40.150	ZA TOTAL 15000
6920.40.300	ZA TOTAL 30000
<b>Consumable</b>	
6930.00.150	Filter Element for the coalescent filter ZA-FID and ZA total

## Ordering codes

