

ZA TOTAL C

Zero Air generator

N
A ir

The AirGen series **ZA-TOTAL-C** is able to remove the total hydrocarbons to less than 0.05 ppm and other pollutant like Humidity, CO₂, CO, NO_x, SO₂. ZA-TOTAL-C is available with a smart low noise built-in pistons compressor, 100% oil-free.

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 CO₂ is removed with a dual molecular sieve PSA system, NO is removed with Purafil and other components are removed 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
- ✓ Flow rate up to 6 L/min
- ✓ Pressure up to 6 bar (87 psi)
- ✓ RS 485 and RS 232 as standard
- ✓ Purity:
 - < 0.05 ppm THC
 - < 0.05 ppm CO NO_x SO₂
 - < 5 ppm CO₂
- ✓ No maintenance
- ✓ Reduced foot print





Specifications

Models: ZA TOTAL C	1.5	3.0	6.0
Zero Air outlet			
Flow rate (max)	1.5 l/min	3.0 l/min	6.0 l/min
Outlet pressure (max)	6 bars (87 psi)		
Total hydrocarbon content	< 0.05ppm		
Total CO Nox SO ₂	< 0.05 ppm		
Total CO ₂	< 5 ppm		
Dewpoint *1	< -60°C (- 76°F)		
Communication			
RS485	Standard		
RS232	Standard		
General data			
Supply voltage	100-240Vac (±10%) 47..63Hz		
Connection type	IEC320-C14		
Nominal power (max)	1000W		
Fuse rating (5x20mm)	10A (250Vac – T)		
Dimensions (W x D x H)	43 x 75 x 66 cm		
Net weight	90 kg		
Connections			
Outlet port	1/4" female BSPP		
Operating/storage conditions			
Operating temperature	5-35°C (41-95°F)		
Storage temperature	1-50°C (34-122°F)		
Humidity (max, non condensing)	80% at 25°C (77°F)		
Noise	<52 dB(A)		
IP rating	IP20		

*1 Atmospheric Dew Point (ADP)

Ordering codes

Gas Generators

6920.25.215

ZA TOTAL C 1.5

6920.25.230

ZA TOTAL C 3.0

6920.25.360

ZA TOTAL C 6.0

Consumable

6930.00.151

KIT filters (inlet and outlet) for ZA TOTAL C

6930.00.178

Carbon filter column for ZA TOTAL C



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