

ZA TOTAL C HP

Zero Air generator



The AirGen series **ZA TOTAL C HP** 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 HP 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

- TOC
- GC-FID
- GC-NPD
- GC-FPD
- GC-PFPD
- THA
- Gas sensing

Main Advantages

- ✓ Easy use and quick installation
- ✓ Flow rate up to 3 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
 - < 0.1 ppm CO₂
- ✓ Low maintenance
- ✓ Reduced foot print



R Evolution
in Gas Generators

Velocity Scientific Solutions

Ph: 1300 855 315

Email: info@velocityscientific.com.au

Specifications

Models: ZA TOTAL C HP	1.5	3.0
Zero Air outlet		
Flow rate (Max)	1.5 l/min	3.0 l/min
Outlet pressure (Max)	6 bars (87 psi)	
Total hydrocarbon	< 0.05ppm	
Total CO NOx SO ₂	< 0.05 ppm	
Total CO ₂	< 0.1 ppm	
Dewpoint *1	< -75°C (- 103 °F)	
Communication		
RS485	Standard	
RS232	Standard	
General data		
Supply voltage	100-115 Vac (±10%) 47..63 Hz or 220-240Vac (±10%) 47..63 Hz	
Connection type	IEC320-C14	
Nominal power (Max)	1000W	
Fuse rating (5x20mm)	10A (250 Vac – T)	
Dimensions (W x D x H)	43 x 81 x 66 cm	
Net weight	95 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

6920.25.216

ZA TOTAL C HP 1.5

6920.25.231

ZA TOTAL C HP 3.0

Consumable

6930.00.151

KIT filters (inlet and outlet) for ZA TOTAL C

6930.00.178

Carbon filter columns for ZA TOTAL C