

ZA TOTAL Air

Zero Air generator

The AirGen series **ZA-TOTAL** is able to remove the total hydrocarbons to less than 0.05 ppm from the external compressed Air. It is also able to remove other pollutant like Humidity, CO₂, CO, NO_x, SO₂ and Hydrocarbons. Very small in size, the ZA-TOTAL can filter up to 30 L/min of compressed Air and can withstand a pressure up to 8 bar (115 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 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
- ✓ High flow rate up to 30 L/min
- ✓ Pressure up to 8 bar
- ✓ RS 485 as standard
- ✓ Purity:
 - < 0.05 ppm THC
 - < 0.1 ppm CO NO_x SO₂
 - < 5 ppm CO₂
- ✓ No maintenance
- ✓ Reduced foot print
- ✓ Compatible with HG BASIC and HG PRO





Specifications

Models: ZA TOTAL	1500	3000	6000	15000	30000
Zero Air outlet					
Flow rate (max)	1.5 l/min	3.0 l/min	6.0 l/m	15.0 l/min	30.0 l/min
Outlet pressure (min)	2 bar				
Outlet pressure (max)	Inlet pressure – 1 bars (14 psi) @ maximum flow				
Total hydrocarbon content	< 0.05ppm				
Total CO Nox SO ₂	< 0.1 ppm				
Total CO ₂	< 5 ppm				
Dewpoint	< -75°C			< -70°C	
Air inlet					
Max inlet hydrocarbon content	100ppm				
Min supply pressure	5 bars (75psi)				
Max supply pressure	9 bars (130 psi)				
Dew point	< 5°C				
Temperature (min / Max)	1°C (34°F) / 35°C (95°F)				
Communication					
RS485	Standard				
General data					
Supply voltage	100-240Vac 50/60Hz				
Connection type	IEC320-C13				
Installation power (max)	240W (280VA)				
Fuse rating (5x20mm)	4A				
Dimensions	27(W)x44(D)x28(H) cm				27x44x41(H) cm
Net weight	< 18 kg			< 20 kg	< 22 kg
Connections					
Outlet port	1/8" female BSPP				
Inlet port	1/8" female BSPP				
Water purge	Threaded ISO M5 female				
Operating conditions					
Temperature	5-35°C (41-95°F)				
Humidity (max, non condensing)	80% at 25°C (77°F)				
Noise	<25dB(A)				
IP rating	IP20				

Ordering codes Gas Generators

6920.40.015
6920.40.030
6920.40.060
6920.40.150
6920.40.300

Consumable

6930.00.150

ZA TOTAL 1500
ZA TOTAL 3000
ZA TOTAL 6000
ZA TOTAL 15000
ZA TOTAL 30000

Filter Element for the coalescent filter ZA-FID and ZA total



LNI Swissgas
www.lni-swissgas.eu

Registered office: Via Sassoferato 1, 20135 Milano MI
Logistics centre: Via E. Mattei 9, 35038 Torreglia PD