

Zero Air Generators

Applications: GC-FID, FPD, NPD / THA / Gas Sensing



AiroGen® Zero Air Generators from IATT produce dry and hydrocarbon-free (HC) air < 0.05 ppm, using a heated catalytic technology from a supply of clean, dry compressed air. The generator can be used individually or coupled to any one of the Modular Hydrogen Generators to form an all-in-one FID gas station solution.

Benefits

Better detector performance

- The reduction of hydrocarbons, including methane to < 0.05 ppm decreases the background noise level and gives much better baseline stability, considerably increasing detector sensitivity, ensuring precise analytical results.

Increased laboratory efficiency

- A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibration required.

Improved safety

- Zero air produced at low pressure and ambient temperature removes the need for high pressure cylinders.

Simple installation

- Zero Air generators can be installed in the laboratory, on or under a bench - eliminating the need for long gas lines from cylinders stored elsewhere. They are stackable with the range of Hydrogen Generators.

Features

- High Performance Catalyst.
- Compact, modular design - For easy coupling of Modular Hydrogen Generators to form a convenient stack.
- Low maintenance – filters only need replacement once per year.
- Greater baseline stability achieved.

Purity

HC: <0.05ppm
CO: <0.05ppm
CH4: <0.05ppm

Modular Design enables Zero Air and Nitrogen generator stackable combinations

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Technical

Flow Rates: 1.5, 3, 6, 15, 30 L/min
 Purity: HC <0.05 ppm. CO <0.05 ppm.
 CH₄ < 0.05 ppm.
 Outlet Pressure: 1 – 6.5 barg

Models	Flow rate (Max)	Outlet pressure (Max)	Total Hcs content	Start up time	Max inlet hydrocarbon content	Water dewpoint required at the air inlet	Inlet air Supply Pressure	Dimensions W x H x D cm	Net weight Kg	Installation Power (Max)
ZA-1500	1.5	6.5 bar	< 0.05 ppm	40 min	100 ppm	< 20 °C	3 – 10 bar	43 x 34 x 20	8	240 W 280 VA
ZA-3000	3.0								8	
ZA-6000	6.0								9	
ZA-15000	15.0								18	
ZA-30000	30.0								20	