

FID Gas Station

For GC Fuel Gas Applications

Applications: GC-FID



The AiroGen® FID Gas Station from IATT combines a Hydrogen Generator and Zero Air Generator into one stackable unit. Hydrogen gas is produced from deionised water using a Proton Exchange Membrane (PEM) Technology. Zero Air is produced by purifying clean, dry compressed air sourced from the air system to a total hydrocarbon concentration of < 0.05 ppm (measured as methane).

The Benefits of Using Hydrogen for GC Fuel Gas Applications

Improved Chromatograph Results

- The reduction of hydrocarbons with the Zero Air, 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.
- The use of hydrogen as Fuel Gas increases the accuracy of analysis and reduces the cleaning requirement of the detector.

Features

- Stacked Modular Design
- Saves space on the workbench



IATT offer a comprehensive service including the selection of the correct Laboratory Gas Generator for your analytical needs

Purity

H2: 99.9995%
Zero: < 1ppm
CH4 <0.05ppm
CO <0.05ppm

AiroGen®
laboratory gas generators

IATT®
INDEPENDENT AIR TREATMENT TECHNOLOGY LTD.

FID Gas Station

For GC Fuel Gas Applications

Applications: GC-FID



Technical

H2/Zero Air

Flow Rates: 100/1500, 140/1500, 180/1500, cc/min

Purity %: 99.9995%, Dewpoint < -55°C, O₂ < 1 ppm, CH₄ < 0.05 ppm, CO < 0.05 ppm.

Outlet Pressure H2/Zero Air : 1-10/1-6.5 barg

FID STATION*	H2/ Zero Air flow rate cc/min	H2/AIR purity	H2 Dryer	H2 / AIR Delivery pressure	Air inlet pressure And air quality required	Water reservoir capacity	Communication	Voltage VAC	Electrical Consumption	Dimensions W x H x D cm	Weight Kg
FID-H2/AIR-100-1500	100/1500	> 99.9995% H ₂ O Dewpoint < -55°C O ₂ < 1 ppm CH ₄ < 0,05 ppm	Dessicant cartridge	7 barg / Up to 6.5 barg	Maximum 7 bar Max.inlet hydrocarbons content < 100 ppm water dewpoint < -20°C	1.2 L	RS232 in series RS485 in option	90 - 240	180 W	28 x 43 x 31	12
FID-H2/AIR-140-1500	140/1500			7 barg / Up to 6.5 barg		1.2 L	RS232 in series RS485 in option	90 - 240	200 W	28 x 43 x 31	12
FID-H2/AIR-180-1500	180/1500			7 barg / Up to 6.5 barg		1.2 L	RS232 in series RS485 in option	90 - 240	220 W	28 x 43 x 31	12