

# FID Gas Stations: FID-1000 & New FID-2500

## Convenient, Safe Source of Zero Air and Pure Hydrogen

By Kelli Ventura, GC Accessories Associate Product Manager

- Single unit produces zero grade air and 99.9995% pure hydrogen.
- Eliminates inconvenient and dangerous cylinders.
- Silent operation, minimal operator attention required.

Parker Balston FID-1000 and FID-2500 Gas Stations provide both UHP grade hydrogen fuel gas and zero grade air (<0.1ppm total hydrocarbons) for flame ionization detectors on gas chromatographs. The system is designed specifically to supply fuel gas to FIDs and to support flame thermionic and flame photometric detectors. The units produce zero air by purifying compressed air to a total hydrocarbon concentration of 0.1 ppm or less (measured as methane). The hydrogen generators produce hydrogen gas from deionized water, using the principle of electrolytic dissociation of water and hydrogen proton conduction through a proton exchange membrane cell.

These units are designed for universal operation. When ordering an FID Gas Station for use in countries other than the United States, simply add the appropriate international power cord suffix to the catalog number for the gas station.

Description	qty.	cat. #
Model FID-1000 Gas Station (ideal for 1 - 2 FIDs)	ea.	20177
Model FID-2500 Gas Station (ideal for 5 - 6 FIDs)	ea.	24913
<b>Replacement Components for FID Gas Stations</b>		
Resin Bed Cartridge for FID-1000 and FID-2500 Hydrogen Generators	ea.	24914
Desiccant Cartridge	ea.	21671
FID Gas Station Maintenance Kit (Includes 1 desiccant cartridge, 1 resin bed cartridge, 1 filter cartridge)	ea.	24915
<b>International Power Cord Sets</b>		
United Kingdom (230VAC, 50/50Hz)	ea.	-550
European (230VAC, 50/60Hz)	ea.	-551
IEC Connector Only (230VAC, 50/60Hz)	ea.	-552
Japanese (200VAC, 50/60Hz)	ea.	-556
Japanese for Zero Air (100VAC, 50/60Hz)	ea.	-553
Japanese for Hydrogen (100VAC, 50/60Hz)	ea.	-554
Japanese for Nitrogen (100VAC, 50/60Hz)	ea.	-555

Just add the proper suffix to the catalog number for the gas generator you are ordering.



### Specifications - FID Gas Stations:

Hydrogen Purity:	99.9995%
Zero Air Purity:	FID-1000: < 0.1ppm total hydrocarbons as methane FID-2500: < 0.05ppm total hydrocarbons as methane
Max. Hydrogen Flow Rate:	FID-1000: 90cc/min. FID-2500: 250cc/min.
Max. Zero Air Flow Rate:	FID-1000: 1000cc/min. FID-2500: 2500cc/min.
Power:	120VAC/amp, 60Hz, 400 watts

Hydrogen Outlet Pressure:	60 psig
Zero Air Outlet Pressure:	40-125 psig*
Inlet Connection:	1/4" NPT (female)
Outlet:	1/8" compression
Dimensions:	16.5"h x 10.5"w x 17"d (42cm x 27cm x 43cm)
Weight:	53 lbs. (24kg)

\*Zero air inlet requires minimum of 40psig compressed air pressure.

### built to international standards

Produced and supported by an ISO 9001 registered organization, Parker Balston hydrogen generators are built to meet the toughest laboratory standards - CSA, UL, CE, and IEC 1010.