

PEAK PERFORMERS

Chromatography Accessories
and Tools You Can Rely On!

FID-1000 Gas Station

Convenient, Safe Source of Zero Air and Pure Hydrogen

- Single unit produces UHP zero air from house compressed air and 99.9995% pure hydrogen from deionized water.
- Ideal for supplying 1 - 2 FIDs, FTDs, or FPDs.
- Eliminates inconvenient, dangerous cylinders.
- Silent operation, minimal operator attention required.

new!



Parker Balston's FID-1000 Gas Station provides both UHP grade hydrogen fuel gas and zero grade air (<0.1ppm THC) for flame ionization detectors on gas chromatographs. The system is specifically designed to supply fuel gas to either 1 or 2 FIDs and to support flame thermionic and flame photometric detectors.

The gas station produces up to 1000cc/min. of zero air by purifying compressed air to a total hydrocarbon concentration of less than 0.1ppm (measured as methane).

The hydrogen generator produces hydrogen gas from deionized water, using the principle of electrolytic dissociation of water and hydrogen proton conduction through a proton exchange membrane cell. Hydrogen is supplied at 90cc/min. at pressures up to 60 psig.

Built to International Standards

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

When ordering an FID-100 Gas Station for use in countries other than the United States, add the appropriate international power cord suffix (see table at right) to the Gas Station cat.#.

Specifications: FID-1000 Gas Station

	Hydrogen	Zero Air
Product Purity	99.9995%	<0.1ppm total hydrocarbons
Flow Rate	90cc/min.	1000cc/min.
Delivery Pressure	60psig	40-125psig*
Inlet Connection	NA	1/4" NPT (female)
Outlet	1/8" compression	1/8" compression
Power Requirements	120VAC/amp	
Dimensions	16.5 x 10.5 x 17" (h x w x d) 42 x 27 x 43cm	
Weight Dry	46lbs / 21kg	

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

Description	qty.	cat. #
FID-1000 Gas Station	ea.	20177

International Power Cord Sets

Location	qty.	cat.# suffix
United Kingdom (230VAC, 50/50Hz)	ea.	-550
Europe (230VAC, 50/60Hz)	ea.	-551
IEC Connector Only (230VAC, 50/60Hz)	ea.	-552
Japan (200VAC, 50/60Hz)	ea.	-556
Japan, for Zero Air (100VAC, 50/60Hz)	ea.	-553
Japan, for Hydrogen (100VAC, 50/60Hz)	ea.	-554
Japan, for Nitrogen (100VAC, 50/60Hz)	ea.	-555

Vespel® Ferrules

- 100% high-temperature polyimide.
- Stable to 350°C.
- Durable, tend to permanently seal to the column.



Fitting Size	Ferrule ID	qty.	cat.#	price
1/16"	0.3mm	10-pk.	22213	
1/16"	0.4mm	10-pk.	22214	
1/16"	0.5mm	10-pk.	22215	
1/16"	0.8mm	10-pk.	22216	
1/16"	1.0mm	10-pk.	22217	
1/16"	1.2mm	10-pk.	22218	
1/16"	1/16"	10-pk.	22210	
1/8"	1/8"	10-pk.	22211	
1/4"	1/4"	10-pk.	22212	
1/4"	1/8"	10-pk.	22219	

Alumaseal™ Ferrules*

- Aluminum construction, will not crack or fragment.
- Eliminate out-gassing, make leak-tight seals, for less detector noise.
- No retightening after temperature cycles—excellent for GC/MS.
- Unique two-piece design permanently locks on fused silica tubing without causing breakage.
- Will not stick in fittings, like Vespel® or graphite.
- Use with any 1/16" compression-type fitting.



Ferrule ID	Fits Column ID	qty.	cat.#
0.4mm	0.25mm	10-pk.	21472
0.5mm	0.32mm	10-pk.	21473
0.8mm	0.53mm	10-pk.	21474

*Patent pending.



For hydrogen, nitrogen, or zero air generators, and gas purifiers, refer to our general catalog.

Eliminate Sealing Compromises!

