

Economical Gas Chromatograph (GC) Systems

Don't sacrifice quality for price

- Complete analytical system with dry-channel PeakSimple™
- Durable, all-aluminum construction

A. Thermal Conductivity Detector (TCD) GC System

- TCD with user-replaceable filaments
- Carrier gas Electronic Pressure Control (EPC)
- One-meter silica gel column
- On-column injector

This traditional four-filament TCD can heat up to 527°F (275°C). The built-in single-channel PeakSimple data system provides easy and powerful data acquisition, as well as temperature programming for the column oven. The column oven is programmable to 572°F (300°C) with unlimited ramps and holds, and is equipped with fast cool-down fans. EPC for the carrier gas provides rock-solid retention time reproducibility.

B. Flame Ionization Detector (FID) GC System

- On-column injector for 1/8" packed and 0.53 mm wide-bore capillary columns
- One-meter silica gel column
- Column oven accepts cage diameters to 4" and temperature is programmable to 572°F
- Electronic Pressure Control (EPC) for carrier and combustion gases

Both the carrier gas and the FID combustion gas are controlled by programmable EPCs rock-solid retention time reproducibility and pressure ramping of the carrier gas from the built-in PeakSimple data system. Suitable for analyses ranging from methane to heavy, high-boiling hydrocarbons (C44+). Easily upgrade with our wide selection of detectors and injectors.

C. Single-Filament TCD System

- Ambient temperature operation
- One-meter packed column

Intended for basic applications, its extremely small size, USB connection to any Windows computer (laptop), and ability to operate on room air makes this system perfect for field operations.



Key letter	Power (VAC, Hz)	Catalog number	Price
A	115, 50/60	GH-34009-11	
	230, 50/60	GH-34009-12	
B	115, 50/60	GH-34009-13	
	230, 50/60	GH-34009-14	
C	115, 50/60	GH-34009-16	
	230, 50/60	GH-34009-17	



Parker Balston® Hydrogen Generators for Fuel Gas

Eliminate dangerous gas cylinders

- Save on helium costs by converting to hydrogen
- Outputs up to 510 mL/min—pays for itself in less than a year
- Removes baseline drift and oxygen to less than 0.01 ppm
- Get status checks at a glance with unique lighting display

Proton Exchange Membrane (PEM) cell eliminates the use of liquid electrolytes with hydrogen generators. Deionized water is all that is required to generate hydrogen for weeks of continuous operation. Simply change the filters every six months and the desiccant cartridge whenever it turns dark brown. All units meet NFPA requirements and OSHA 1910.103 regulations governing hydrogen storage.

Specifications



Delivery pressure: 5 to 100 psig ±0.5 psig
Moisture adsorption: desiccant cartridge
Alarms: low water, poor water, over pressure, excessive capacity
Output: Remote control and remote monitoring capable by adding USB options bay controller (not included)

Outlet port: 1/8" compression
Power: 100/230 VAC, 50/60 Hz
Purity: 99.9999% pure H₂
 Oxygen: < 0.01 ppm
 Moisture: < 1 ppm

Flow rate	Catalog number	Price
100 mL/min	GH-86442-00	
165 mL/min	GH-86442-02	
260 mL/min	GH-86442-04	
510 mL/min	GH-86442-06	



Accessories

- [GH-86442-50 Replacement desiccant cartridge](#) for hydrogen generators
- [GH-86442-51 Hydrogen generator 6-month service kit](#); includes desiccant cartridge and deionizer bags
- [GH-86442-52 Hydrogen generator 24-month service kit](#); includes replacement water pump, desiccant cartridge and deionizer bags

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