



Parker Balston® PEM Hydrogen Generators

- Proton Exchange Membrane (PEM) cell eliminates the need for liquid electrolytes.
- Reliably generate 99.9995% pure hydrogen—for better chromatography.
- Eliminates high-pressure cylinders—greater convenience and improved lab safety.
- Compact unit, requiring only one square foot of bench space.
- Quick and easy to service and maintain; unique display lighting changes color for easy status checks and water level indication.
- Comes with a set of universal power adapters for US, European, and Asian plug types.



Fuel-grade high purity hydrogen generators are safer alternatives to high-pressure gas cylinders. The new 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. With an output capacity of up to 510 cc/minute, one generator can supply 99.9995% pure hydrogen for up to several FIDs. Based on cylinder gas savings alone, a hydrogen generator pays for itself in one or two years.

Produced and supported by an ISO 9001 registered organization, Parker Balston® hydrogen generators are the first built to meet the toughest laboratory standards in the world: CSA, UL, cUL, and CE Mark. A great safety feature is the built-in sensing circuit, which shuts the generator down if a hydrogen leak is detected.

Specifications

Purity:	99.9995% pure hydrogen
Delivery Pressure:	10-100 psig \pm 1 psig (69-689 kPa \pm 7 kPa)
Outlet Port:	$\frac{1}{8}$ " compression
Electrical Requirements:	100-230 VAC/50-60 Hz
Physical Dimensions:	17.12" h x 13.46" w x 17.95" d (43.48 x 34.19 x 45.6 cm)
Shipping Weight:	40 lbs. (18 kg) dry



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lit. cat.# 580053A

Description	Model #	Capacity	qty.	cat.#	price
Hydrogen Generator	H2PEM-100	100cc/min.	ea.	23065	
Hydrogen Generator	H2PEM-165	165cc/min.	ea.	23066	
Hydrogen Generator	H2PEM-260	260cc/min.	ea.	23067	
Hydrogen Generator	H2PEM-510	510cc/min.	ea.	23068	
Replacement and Maintenance Components for Hydrogen Generators (for all models listed above)					
Replacement Desiccant Cartridge for H2PEM Generators			ea.	23069	
6-Month Maintenance Kit for H2PEM Generators					
Includes: 1 deionizer cartridge, 1 water filter, 3 environmental filters			kit	23070	
24-Month Maintenance Kit for H2PEM Generators					
Includes: 1 deionizer cartridge, 1 water filter, 3 environmental filters, 1 water level sensor, 1 water pump, and 1 desiccant cartridge			kit	23071	



Using purifying gas traps in combination with a gas generator can improve chromatography tremendously and improve column lifetime.

The combination of high-purity gas and gas purifying traps can save analytical time in the long run.

