

Hydrogen Generators



Features & Benefits

- Eliminate dangerous and expensive hydrogen gas cylinders from the laboratory
- Produce a continuous or on-demand supply 99.9995% to 99.99999+% pure hydrogen gas
- Compact and reliable - only one square foot of bench space required
- Designed to operate continuously 24 hours a day, 7 days a week
- Certified for laboratory use by CSA, UL, IEC 1010, and CE mark
- Safe - produces only as much gas as you need

Applications

- Fuel and carrier gas for GC's
- Reaction gas for ELCD's
- Reagent Gas for AED's

Gas Generator Selection Chart

Hydrogen Gas Generator	
Flow Capacity	Model Number
H2-90NA*	90 cc/min
H2-150	150 cc/min
A915000NA*	160 cc/min
B920000NA*	250 cc/min
H2-300	300 cc/min
B940000NA*	500 cc/min
H2-500NA	500 cc/min
H2-800NA	800 cc/min
H2-1200NA	1200 cc/min

*99.9995% Fuel Grade Purity, no Palladium

Parker Balston® Hydrogen

Generators eliminate the need for expensive, dangerous, high pressure cylinders of hydrogen in the laboratory. It is no longer necessary to interrupt important analyses to change cylinders.

Generator flow capacities of up to 1200 cc/min. of ultra-high purity hydrogen are available.

Parker Balston® Hydrogen Generators are compact benchtop instruments designed for use in the laboratory or in the field.

Hydrogen gas is produced by electrolytic dissociation of water. The resultant hydrogen stream then passes through a palladium membrane.

Only hydrogen and its isotopes can penetrate the palladium membrane; therefore, the purity of the output gas is guaranteed to be 99.99999+% consistently. This technology produces hydrogen at a purity two orders of magnitude greater than competitive technologies using silica gel, desiccants, and drying tubes.

Parker Balston® Hydrogen Generators offer many special features to ensure safe and convenient operation. These features include low-water audible alarms to indicate when the water reservoir needs filling and automatic shutdown to protect expensive laboratory equipment.