Features:

- Produces a continuous supply of 99.99999+% pure hydrogen gas from deionized water and standard electrical service.
- Eliminate inconvenient and dangerous hydrogen gas cylinders from the laboratory using reliable state-of-the-art technology.
- Compact, requires less than one square foot of bench space.
- Complies with OSHA regulations by eliminating hydrogen cylinders.
- Electrolyte leak detector with automatic shutdown and automatic over-pressure shutdown.
- Two models available for flow rates of 150 cc/min. and 300 cc/min. Larger sizes available on request.

The Parker/Balston Hydrogen Generators allow users to eliminate the need for expensive, dangerous, high pressure cylinders of hydrogen from the laboratory. The generator continually produces 150 cc/min. or 300 cc/min. of ultra-pure hydrogen gas safely and conveniently at regulated pressures from 0 to 60 psig, eliminating the need to interrupt analysis to change tanks.

The Balston Hydrogen Generator is a benchtop unit designed for convenience and portability in the laboratory or in the field.

Hydrogen is produced by electrolytic dissociation of water. The resultant hydrogen stream then passes through palladium membranes. Only hydrogen and its isotopes can penetrate the palladium membranes; 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 other technologies.

The Parker/Balston Hydrogen Generator offers many special features to ensure safe and convenient operation. These features include low-water, over-pressure and electrolyte leak detection - all with automatic shutdown.

Applications

The Parker/Balston Hydrogen Generators are an excellent source of ultra pure, dry hydrogen for a wide range of laboratory uses. The generator is used extensively with Gas Chromatographs, both as a fuel gas for Flame Ionization Detectors (FID) and as a carrier gas to ensure absolute repeatability of retention times. In high sensitivity Trace Hydrocarbon Analyzers and air pollution monitors, the hydrogen produced ensures the lowest possible background noise. Other applications include using hydrogen for hydrogenation reactions and the analysis of engine gas emissions in the automobile industry. In all applications the Parker/Balston Hydrogen Generator sets the standard for safety, operational performance and dependability.

Specifications

	Model 75-32 Hydrogen Generator	Model 75-34 Hydrogen Generator
Hydrogen Purity	99.99999+%	99.99999+%
Capacity Rates	150cc/min	300cc/min
Discharge Pressure	Regulated, 0 to 60 psig	Regulated, 0 to 60 psig
Electrical Requirements	120 VAC, 60 Hz	120 VAC, 60 Hz
Power Consumption	300 Watts	300 Watts
Dimensions	23"H x 12"W x 13"D	23"H x 12" W x 13"D
Shipping Weight	58 lbs	58 lbs

Part No.	Description	Price
H2150	Hydrogen Gas Generator - 150 cc/min	
H2PD300	Hydrogen Gas Generator - 300 cc/min	