



THE TRUE SMART GAS
GENERATOR



LEADING SAFETY STANDARDS

The H-Genie™ is a compact high pressure gas generator designed to be the safest and most powerful gas generator in the world specifically for chemists. As the only generator capable of generating up to 1,450 psi of hydrogen gas from water at up to 1 NL/min, the Genie is designed to be the true smart gas cylinder replacement for any chemistry laboratory. The H-Genie will fill the vessel until the pressure or required volume is reached and automatically maintains the pressure of hydrogen in the vessel as it is continuously consumed by the reaction.

WATER GOES IN

OXYGEN REMOVED

HYDROGEN IS LEFT



ON-DEMAND GENERATING

Hydrogen is generated on demand from water electrolysis and 3 liters of deionized water. No hydrogen cylinders necessary.



NO HYDROGEN CYLINDERS

No Hydrogen cylinders means the H-Genie can be used in any fume hood freeing up additional space.



PATENTED PRESSURE CELL TECHNOLOGY

The H-Genie utilizes patented pressure cell technology to produce 4.0 purity from water at pressures up to 100 bar (145.5 - 1450 psi) at flow rates up to 1 NL/min.



SAFETY DETECTION

The system includes hydrogen detectors to automatically detect if there is a gas leak, pressure drop, or the concentration of hydrogen gas has risen above a safe level.



NO STORAGE OF HYDROGEN

The H-Genie does not store hydrogen but generates it on-demand. If there is an earthquake there is no hydrogen internally to cause a risk and a power cut would stop production of hydrogen automatically.

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