

Product Information

Packard 9800 Hydrogen Generator

The heart of every Packard hydrogen generator is a proprietary SPE Electrolyzer cell. SPE Electrolyzers use a solid polymer electrolyte in the electrolyzing process, rather than a liquid electrolyte, eliminating the need for toxic liquids. The SPE technology has been refined to generate 99.9999+% pure hydrogen, using only deionized water. Contaminants are traces of nitrogen and methane.

Proven in more than 10,000 GC systems worldwide, SPE Electrolyzers also are extensively used in US Navy submarines and NASA supplemental fuel systems. This reliable, high quality hydrogen generation technology is being evaluated for fueling the Ultra Low Emission Vehicles and Zero Emission Vehicles (ULEV/ ZEV) of the future.

Most important, these are the **ONLY** hydrogen generators certified for laboratory use by CSA, UL, and IEC 1010.



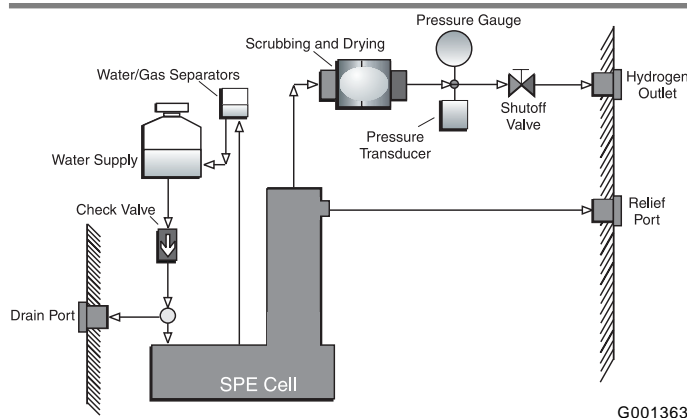
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Features and Benefits

- Generate ultra-high-purity hydrogen, reliably and with complete safety.
- Regulated low pressure (2-100psig) — No caustic solutions
- Minimal maintenance — Long-life solid polymer electrolyte
- Certified:
 - CE approved
 - UL listed
 - CSA listed
 - IEC 1010 certified
 - Satisfies OSHA and NFPA requirements

Packard hydrogen generators eliminate the hazards of high pressure cylinders and the dangers of alkaline electrolyte solutions.

Hydrogen Generation Process



G001363

Specifications

- Product Purity:** 99.9999+% pure¹ hydrogen gas
- Reservoir Capacity:** 4 liters
- Flow Range:** 0-1200cc/min, STP
- Delivery Pressure:** 0-100psig
- Outlet:** 1/8" Swagelok®
- Power Requirements:** 117VAC/234VAC
- Dimensions:** 15 x 13 x 17" (H x W x D)
(37 x 33 x 44cm)
- Weight Dry:** 40lbs/18.1kg

Maintenance Requirements

- Water Reservoir:** Refill as needed with deionized water (500,000ohm/cm minimum)
- Deionizer Bag:** Replace every 6 months, or whenever Charge Water indicator is on
- Desiccant Cartridge:** Recharge (dry) or replace when cartridge turns pink

Ordering Information:

Packard Hydrogen Generator²

One year parts and labor warranty from Packard.

DESCRIPTION	CAT. NO.
Model 9800	22835

Replacement Part

DESCRIPTION	CAT. NO.
Deionizer Pack (box of 2)	22963

¹ 99.99997% pure.

² CE approved.

See Publication T400021 for information on the Packard 9000-Series Hydrogen Generator.

Trademark

Swagelok – Crawford Fitting Co.

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UNITED STATES · Supelco · Supelco Park · Bellefonte, PA 16823-0048 · Phone 800-247-6628 or 814-359-3441 · Fax 800-447-3044 or 814-359-3044 · email: supelco@sial.com

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