

Parker Balston Hydrogen Generators

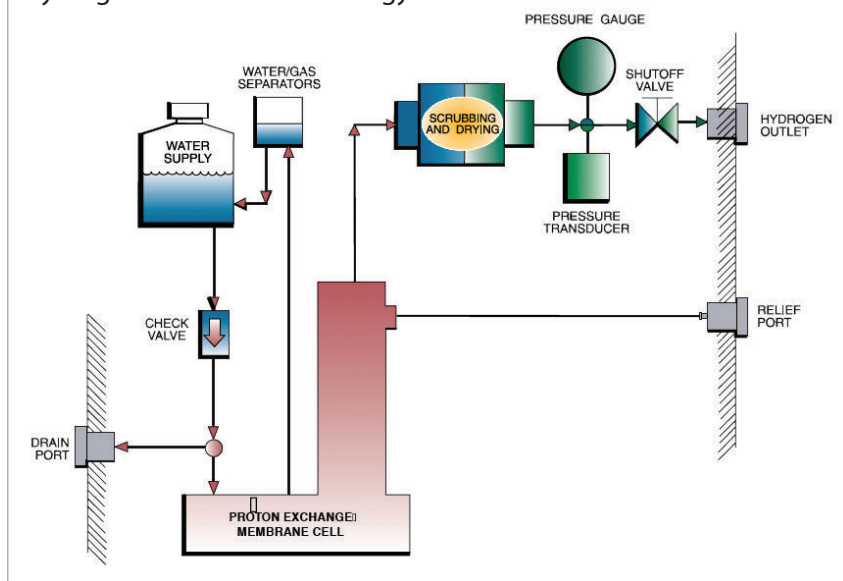
Hydrogen generators are a safe, cost-effective alternative to high-pressure gas cylinders and can supply fuel-grade gas or ultra-high-purity carrier gas. Hydrogen generators offer enhanced safety and convenience and are very cost-effective. Based on cylinder gas savings alone, a hydrogen generator pays for itself in only one or two years. Parker Balston hydrogen generators are engineered for safety and feature a built-in sensing circuit which shuts down the generator automatically if a hydrogen leak is detected. These generators are also designed for performance and convenience. They include an exclusive water management system and control circuitry to maximize uptime, and also feature indicator lighting, which allows at-a-glance status checks and water level monitoring.

Parker Balston hydrogen generators are reliable and easy to use and maintain. De-ionized water is all that is required to generate hydrogen for weeks of continuous operation. Each generator has an output capacity of up to 510 cc/minute—enough to supply 99.9995% pure hydrogen for several FIDs. The new Proton Exchange Membrane (PEM) cell eliminates the need for liquid electrolytes. Maintenance requires only a few moments a year—no inconvenient, extended downtime. Simply change the filters every six months, the hydration pump biannually, and the desiccant cartridge whenever it turns from beige to clear.

These units are compact, requiring only one square foot of bench space, and come with a set of universal power adaptors for U.S., European, and Asian plug types. 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.



Hydrogen Generator Technology



- Reliably generate 99.9995% pure hydrogen for better chromatography.
- Cost-effective, convenient, and safe alternative to high-pressure gas cylinders.
- Proton Exchange Membrane (PEM) cell eliminates the need for liquid electrolytes.
- Quick and easy to service and maintain; unique display lighting changes color for easy status checks and water level indication!

Parker Balston PEM Hydrogen Generators

Parker Balston PEM Hydrogen Generators

| Description | Model # | Capacity | qty. | cat.# |
|---|-----------|-------------|------|-------|
| Hydrogen Generator | H2F-100NA | 100 cc/min. | ea. | 29278 |
| Hydrogen Generator | H2F-165NA | 165 cc/min. | ea. | 29279 |
| Hydrogen Generator | H2F-260NA | 260 cc/min. | ea. | 29280 |
| Hydrogen Generator | H2F-510NA | 510 cc/min. | ea. | 29281 |
| Replacement and Maintenance Components for Hydrogen Generators (for all models listed above) | | | | |
| Replacement Dessicant Cartridge for H2F Hydrogen Generators | | | ea. | 28287 |
| 6-Month Maintenance Kit for H2F Hydrogen Generators Includes: 1 deionizer cartridge, 1 water filter, 3 environmental filters | | | kit | 29288 |
| 24 Month Maintenance Kit for H2F Hydrogen Generators Includes: 1 deionizer cartridge, 1 water filter, 3 environmental filters, 1 water level sensor, 1 water pump, and 1 desiccant cartridge | | | kit | 29289 |



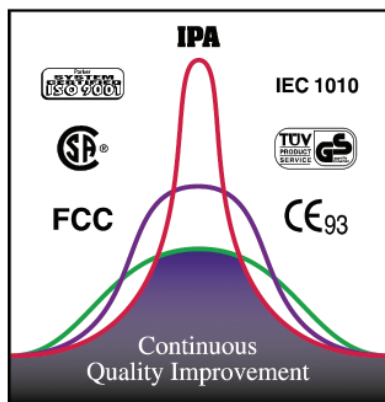
International Power Cord Sets

Just add the proper suffix to the catalog number for the gas generator you are ordering.

| Location | qty. | cat.# suffix |
|---|------|--------------|
| United Kingdom (230VAC, 50/50Hz) | ea. | -550 |
| European (230VAC, 50/60Hz) | ea. | -551 |
| IEC Connector Only (230VAC, 50/60Hz) | ea. | -552 |
| Japanese (200VAC, 50/60Hz) | ea. | -556 |
| Japanese for Zero Air (100VAC, 50/60Hz) | ea. | -553 |
| Japanese for Hydrogen (100VAC, 50/60Hz) | ea. | -554 |
| Japanese for Nitrogen (100VAC, 50/60Hz) | ea. | -555 |

Specifications

| | |
|--------------------------|---|
| Purity: | 99.9995% pure hydrogen |
| Delivery Pressure: | 5-100 psig \pm 0.5 psig (69-689 kPa \pm 3kPa) |
| Outlet Port: | 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: | 70 lb (32 kg) dry |



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www.restek.com/gasfilters

please note

All Parker Balston hydrogen generators meet NFPA requirements and OSHA 1910.103 regulations governing the storage of hydrogen.

Contact your Restek representative and order yours today!

Visit www.restek.com/Contact-Us to find a distributor or representative.



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Lit. Cat.# GNTS1440A-UNV