

## Fuel Grade Hydrogen Generators

Hydrogen

GENERATORS

**Description:** Airgas fuel gas hydrogen generators utilize proton exchange membrane, which eliminates the use of liquid electrolytes with hydrogen generators.

Airgas generators are the most reliable hydrogen generators on the market. Maintenance requires only a few moments per year—no inconvenient, extended downtime. Simply change the filters every six months and the desiccant cartridge whenever it turns dark brown.

Deionized water is all that is required to generate hydrogen for weeks of continuous operation.

Automatic water filling is available for all fuel gas hydrogen generators.

Simply connect your in-house supply of deionized water to the nitrogen generator for virtually hands-free operation.

With an output capacity of up to 510 cc/minute, one generator can supply 99.9995% pure hydrogen for up to several FID's. Based on cylinder gas savings alone, a Airgas® hydrogen generator pays for itself in less than a year.

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

Produced and supported by an ISO 9001 registered organization, Airgas hydrogen generators are the first built to meet the toughest laboratory standards in the world: CSA, UL, CE and IEC 1010.



### Design Features

- Ideal for fuel gas for up to 14 FID's
- Eliminates dangerous and expensive hydrogen gas cylinders from the laboratory
- Exclusive water management system and control circuitry maximize uptime
- Unique display lighting changes color for easy status checks and water level indication
- Remote control and remote monitoring capable by adding USB options bay controller
- Compact and reliable - only one square foot of bench space required
- Includes 2 year cell warranty
- No liquid caustics required

Equipment

Specifications	Y40-DS100	Y40-DS165	Y40-DS260	Y40-DS510
Description	Y40-DS100	Y40-DS165	Y40-DS260	Y40-DS510
Purity	99.9995%	99.9995%	99.9995%	99.9995%
Flow Rates	100 cc/min	165 cc/min	260 cc/min	510 cc/min
Outlet Port	1/8" compression	1/8" compression	1/8" compression	1/8" compression
Electrical	100 Vac/230 Vac	100 Vac/230 Vac	100 Vac/230 Vac	100 Vac/230 Vac
Delivery Pressure	5-100 psig ± 0.5 psig	5-100 psig ± 0.5 psig	5-100 psig ± 0.5 psig	5-100 psig ± 0.5 psig
Shipping Weight	59 lb (27 kg) dry	59 lb (27 kg) dry	59 lb (27 kg) dry	59 lb (27 kg) dry
Dimensions	17"h x 13.4"w x 18"d (43cm x 34.2cm x 45cm)	17"h x 13.4"w x 18"d (43cm x 34.2cm x 45cm)	17"h x 13.4"w x 18"d (43cm x 34.2cm x 45cm)	17"h x 13.4"w x 18"d (43cm x 34.2cm x 45cm)

## Fuel Grade Hydrogen Generators Cont.

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### Ordering Information

For technical support of this product call 1-800-939-5711 between 8 AM – 7 PM EST

Type of Product	Product Number	Description
Dessicant Cartridge (1 each)	Y40-MKH2PEMD	Dessicant Cartridge for fuel grade generators 1 per kit
6 Month Service Kit	Y40-MKH2PEM6M	6 month Service kit for fuel grade generators
24 Month Service Kit	Y40-MKH2PEM24M	24 month Service kit for fuel grade generators
Preventive Maintenance Plan	Y40-H2PEM100PM	Preventive Maintenance Plan for Y80-DS100 generator
	Y40-H2PEM165PM	Preventive Maintenance Plan for Y80-DS165 generator
	Y40-H2PEM510PM	Preventive Maintenance Plan for Y80-DS510 generator
Installation Service	Y40-H2PEM100INST	Installation service to install one Y80-DS100 generator
	Y40-H2PEM165INST	Installation service to install one Y80-DS165 generator
	Y40-H2PEM260INST	Installation service to install one Y80-DS260 generator
	Y40-H2PEM510INST	Installation service to install one Y80-DS510 generator
USB Remote Control Accessory	Y40-604970894	USB Remote Control Accessory