

HYDROGEN GENERATOR



HYDROGEN GENERATOR

Engineered to provide a safe, ultrahigh-purity alternative to high-pressure gas cylinders in the laboratory for carrier and fuel gas applications, most often in gas chromatography. It is compact, reliable, practical and cost-effective alternative to pressurized cylinders. Due to hydrogen's flammability, the importance of safety features is paramount.

Used in Gas quality monitoring, General laboratory, Gas chromatography, TOC, Industries, Environmental, Petrochemical, Pharmaceutical, Cinical, Forensics..

Also known as Laboratory Hydrogen Generator.

GEN23-1000 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow

Membrane separation technique, deoxidation and dehydration device, high purity

Easy operation, eliminate the need for expensive gas cylinder

Safe and reliable



SPECIFICATIONS

Model	GEN23-1000
Environmental Temperature	0-45°C
Humidity	<85%
Flow Rate	0-2000 ml / min (0.4MPa)
Output Pressure	0-0.4 Mpa
Pressure Stability	<0.003 Mpa
Noise	<35 dB (A)
Dimension	420x260x350 mm
Net Weight	22 kg
Consumption Power	150 W
Power Supply	220 V±10% V

GEN21-0200 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow
Membrane separation technique
Compact, frees up valuable space
Easy operation, eliminate the need for expensive gas cylinder
Safe and reliable



SPECIFICATIONS

Model	GEN21-0200
Air Pressure	0.4 Mpa
Hydrogen purity	99.999%
Nitrogen Purity	Oxygen Content: <3PPM, dew point: -56°C
Hydrogen Flow Rate	0-500 ml / min
Nitrogen Flow Rate	0-500 ml / min
Air Flow Rate	0-2000 ml / min
Hydrogen Pressure	0.4 Mpa
Nitrogen Pressure	0.4 Mpa
Dimension	350x350x500 mm
Net Weight	30 kg
Consumption Power	500 W

GEN21 AUTOMATIC HYDROGEN GENERATOR

Automatic control, constant pressure, constant flow
Membrane separation technique
Deoxidation and dehydration device, high purity
Compact, frees up valuable space
Easy operation, eliminate the need for expensive gas cylinder
Safe and reliable



SPECIFICATIONS

Model	GEN21-0300	GEN21-0500
Working Temperature	400-450°C	-
Environmental Temperature	0-45°C	-

Humidity	< 85%	-
Input Air Concentration	< 100 PPM (Measured as methane)	-
Output Air Concentration	< 0.1 PPM (Measured as methane)	-
Flow Rate	1000 ml / min	0-300 ml / min
Output Pressure	0-0.6 Mpa	0-0.4 Mpa
Dimension	400x360x220 mm	370x330x180 mm
Net Weight	12 kg	10 kg
Consumption Power	150 W	
Power Supply	220 V±10%, 50~60 Hz	220 V±10%, 50 Hz
Hydrogen purity	-	99.999%
Pressure Stability	-	<0.001 Mpa



GEN21-0300



GEN21-0500

GEN22 AUTOMATIC HYDROGEN GENERATOR

SPE (Solid Polymer Electrolytes) technique, without lye
Automatic control, pressure controller, water shortage detector
Deoxidation and Dehydration device, high purity
Easy operation and maintenance, long lifetime
Compact design, Safe and reliable
CE approved



SPECIFICATIONS

Model	GEN22-0300	GEN22-0500
Hydrogen purity	99.999%	-
Flow Rate	0-500 ml / min	0-1000 ml / min
Output Pressure	0-0.4 Mpa	
Pressure Stability	<0.001 Mpa	<0.003 Mpa
Dimension	400x360x220 mm	460x360x350 mm
Net Weight	14 kg	20 kg
Consumption Power	250 W	150 W
Power Supply	220 V±10%, 50 Hz	
Environmental Temperature	-	1-40°C
Humidity	-	<85%

Nitrogen Purity	-	Oxygen Content: <3PPM, dew point: -56°C
-----------------	---	---



GEN22-0300



GEN22-0500

Centrifugen

Centrifugen

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA
Email: info@centrifugen.com | Website: centrifugen.com