Gas Generator

Hydrogen Generator



Introduction:

The hydrogen generator is to generate hydrogen by electrolyzing water through PEM or AWE electrolysis technology. It consists of water tank, electrolyzer, power supply, gas-water separator, drying pipe, pressure controller and other parts.

Application:

Hydrogen generator can be used as gas and carrier gas for GC (gas phase), reactive gas for ELCD (conductance detector), and reactive gas for ED (Atomic emission spectrometry detector).

Features:

* Safe use, water shortage shutdown, overpressure shutdown.
* Easy to operate, turn on the power to the standby state, panel start and stop button control start and stop.
* The working status shows the flow, and the fault status indicates the fault information.
* Automatic constant pressure.

Technical Parameters:

Model	BK-HYG-300P
Output Flow	0~300ml/min
Hydrogen Purity	99.999%
Output Pressure	0-0.4MPa
Pressure Stability	＜0.001MPa
Environment Temp	1~40℃
Relative Humidity	＜85%
Working Noise	≤65dB
Consumption	90W
Power Supply	110V/220V, 50/60Hz
External Size(W*D*H)	410*370*220mm
Package Size(W*D*H)	500*280*450mm
Net Weight	10kg
Gross Weight	15kg

Features:

* Fast hydrogen production: The hydrogen generator can produce hydrogen without preheating.
* High safety: The volume of the internal gas path in the hydrogen generator is less than 150ml, and the hydrogen is produced immediately after use, eliminating the risk of hydrogen storage.
* Low long-term use cost: just add pure water during the operation of the hydrogen generator, and the cost of consumables is low.
* Green and environmental protection: The hydrogen generator uses electrolysis of water to produce hydrogen. During the hydrogen production process, only hydrogen and oxygen are produced, which has no pollution to the environment.
* Easy to use: The hydrogen generator can be used continuously as a gas source, avoiding frequent replacement of gas cylinders.



Technical Parameters:

Model	BK-HYG-600P
Hydrogen Purity	≥99.999%
Rated Flow	600ml/min
Output Pressure	0-0.4MPa
Safety Valve Releases Pressure	0.5MPa±0.05MPa
Working Noise	≤65dB
Consumption	170W
External Size(W*D*H)	430*220*380mm
Net Weight	11kg
Power Supply	AC220V/110V,50Hz/60Hz
Packing Size(W*D*H)	500*280*450mm
Gross Weight	15kg

Pure Water Hydrogen Generator



Laboratory Type

BIOBASE
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Features:

* SPE technology.
* No corrosion and pollution.
* High purity hydrogen (99.999%)(for Laboratory type).
* Suitable for all kinds of GC(Gas chromatography).
* Stable output flow, safe and convenient to operate, various alarm devices (over pressure alarm, water shortage alarm, water accumulated alarm).

Technical Parameters:

Model	HGC-200	HGC-300	HGC-600
Type	Laboratory type	Laboratory type	Laboratory type
Output Flow(ml/min)	0~200	0~300	0~600
Output Pressure	0.4MPa/0.02~0.7MPa (under stable pressure)		
Hydrogen Purity	＞99.999%		
Silicon tube	Yes		
Pressure stability	<0.001Mpa		
Consumption	120W	150W	300W
Power Supply	AC 110V/ 220V±10%, 50/60Hz		
External Size(W*D*H)	350*220*380mm		
Package Size(W*D*H)	500*370*540mm		
Net Weight	11kg	11kg	13kg
Gross Weight	12kg	12kg	14kg