

## 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	4kg/cm <sup>2</sup> (about 0.4Mpa)
Pressure Stability	<0.001MPa
Environment Temp	1~40℃
Relative Humidity	<85%
Consumption	150W
Power Supply	110V/220V, 50/60Hz
External Size	410*370*220mm
Package Size	460*430*270mm
Net Weight	10kg
Gross Weight	14kg

### 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	≤55dB
External Size	430*220*380mm
Net Weight	11kg
Power Supply	AC220V/110V, 50Hz/60Hz
Packing Size	670*470*630mm
Gross Weight	20kg



## Pure Water Hydrogen Generator



Laboratory Type

### 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).
- \* The electrolytic cell adopts imported ionic membrane, which has the characteristics of resistance, durability and long life.(for Breathing Type (plastic shell)).
- \* The output flow of electrical automatic control system is stable and the fluctuation is small. (for Breathing Type (plastic shell)).

### 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)	0.4MPa/0.02~0.7MPa (under stable pressure)	0.4MPa/0.02~0.7MPa (under stable pressure)
Hydrogen Purity	>99.999%	>99.999%	>99.999%
Silicon tube	Yes	Yes	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	350*220*380mm	350*220*380mm
Package Size (W*D*H)	500*370*540mm	500*370*540mm	500*370*540mm
Net Weight	11kg	11kg	13kg
Gross Weight	12kg	12kg	14kg