

# Hydrogen generator

## **SPH-200**



### **Generator Introduction:**

- SPH-200 series model hydrogen generator, has been in market for more than 10 years.
- Stable quality with competitive are welcomed by customers.
- We use qualified membrane which is widely used in spaceflight electrolysis instrument.
- While electrolyzing, water is separated into H<sub>2</sub> and O<sub>2</sub>.
- It is safe to operate, has flow and pressure display, hydrogen gas flow and pressure are auto-self Control by programs.
- Gas is produced on demand.
- There are two choices for H<sub>2</sub> output pressure (4bar and 6bar).
- Could meet different customers' requirement.

### **SPH-200 Characteristics:**

- Smart size, **only 6kgs weight**, compact structure, greatly save space.
- Pressure and H<sub>2</sub> flow rate display, auto stable pressure, stable flow rate, H<sub>2</sub> flow could 100% adjustable on demand.
- Stainless steel filter inside, inside use silica rubber (low sulfur content), greatly increase gas quality, guarantee GC base line stability.
- Have safety system, sensitive, automatically protection alkali return.
- One level purification.

## Technical Data:

<b>Model</b>	SPH-300
H2 Flow ( ml/min )	0--300
H2 Output Purity ( % )	99.999
Output Pressure(MPa ) Under stable pressure	0--0.4, 0--0.6 Two options
Input Power ( W )	<150
Power& Voltage	AC 220/110V ±15% 50--60Hz
Fluctuation Rate of Output Pressure ( MPa)	<0.001
Water Requirement	Redistilled water
Water Consumption	16g/hr
Equipment Weight ( kgs )	11
Size (mm)	370*330*180
Remarks	Two stainless steel gas filters, have deoxidant, higher purity, 0.4&0.6MPa two pressure selection. Anti alkali return