Oxy-hydrogen Generator

---From Okay Energy



¹ Okay Energy Equipment Co.,Ltd

1. What is oxy-hydrogen generator

Oxy-hydrogen Generator is also called Brown Gas Generator or HHO Gas Generator, it separates water (H2O) into mixed hydrogen and oxygen. The mixed Oxygen and Hydrogen gas has a wide range of applications, such as heating, welding, cutting, polishing, boiler combustion supporting etc. to replace LPG or other fuels in many industries. When burned, this gas only produces water and has no pollutants , and it can burn 100%. It's a new energy in 21st century.

2. Why I use oxy-hydrogen generator?

2.1 Maximum Safety

a. Steady, reliable fuel delivery. Fuel is available immediately after machine is switched on. No volatile fuel tanks which can rupture or explode.

b. Multiple safety devices, including overheating and in-sufficient water cut-off switches, will automatically turn off power to ensure the safety of both equipment and user.

2.2 Environmentally Friendly

a. The Fuel generated by our machines burns completely without creating pollutants, toxic fumes, or public nuisance.

b. Does not generate hydrocarbons, carbon monoxide, or carbon dioxide.

2.3 High Mobility

a. Our generators are equipped with wheels for easy moving the generators to do the job.

b. Our generator immediately can generates fuel as soon as you need it, no need of gas tank.

c. Fuel can be used for continuous working for long time.

2.4 High Temperature & Calorific value

a. Calorific value is 34000Kcal/kg

b. The flame temperature is over 2800°, it can melt refractory metals and none-metals

2.5 Low Cost & Maximum Economy

a. Fuel is generated using only electricity and clean soft water.

b. Both economical and practical when compared to the currently used

LPG, Propane, or acetylene.

2.6 Low Heat Dispersal

Use of this fuel provide a more focused heat source with less heat loss, maintaining a more comfortable, safer, lower fatigue working environment.

3. Application Range

3.1 Jewelry Industry:

a. For welding kinds of chain and string made of platinum, gold, silver,

copper, stainless steel, etc.

b. For mending tiny sand holes on jewelry casting

c. For jewelry repairing (reforming, casting, welding)

3.2 Electronic Industry:

For welding enameled wire, welding LED wafer, flame-treating circuit board.

3.3 Medical Industry:

a. For welding metal fittings and mending sand holes in dentistry

b. No-carbon flame disinfection or glass sealing

3.4 Laboratory:

Providing convenient, safe and clean oxyhydrogen flame

3.5 Organic Glass Industry:

Quick and fine polishing for acrylic (organic glass), solving problems that grinding wheel cannot achieve.

3.6 Boiler Combustion Supporting:

Because oxyhydrogen gas can burn completely and has the characteristic of catalysis, so it can help the fuel in boiler burned totally, to save fuel for boiler.

3.7 Other metal welding and melting etc.

4. About Okay Energy Technology

Okay Energy Co., Ltd specializes in research, manufacturing oxy-hydrogen generator, owned many patents.

1) Patented Integration of Water Electrolysis Cell Forming

Our electrolysis cell Integration is used in Large Module in order to make sure no Leakage, Explosion-proof, and Long Life Cycle.

2) Patented Electrolysis Power Supply based SCM

Our Power Supply is special designed for Electrolysis.

For example:

- 2.1 Constant current control by temperature feedback control
- 2.2 Current adjusted by user to meet the constant flux

of oxy-hydrogen gas

- 2.3 Efficient energy conversion (AC TO DC) based IGBT
- 2.4 Special cooling design for working 24 hours continues.

3) Patented Multi-layer ANTI-FIRE Water Seal Technology

Water Seal Device is important unit of oxy-hydrogen generator, this unit is designed for backfire-proof, It works 100% ok.

4) Automatic Water Level Detection Technology

We design by ourselves, it used for detect the water level of the electrolysis cell and water -deposit tank. When water is too low, the alert lamp is light. When water is lowest, the power supply switches off to proof the oxy-hydrogen generator.

5) Water Automatic Replenishment Technology

When water of the electrolysis cell is too low, the system will auto pump water from water-deposit tank.

6) High-efficiency Gas Water Separator Technology

This Technology is used to separate the water from gas in order to ensure

the gas is pure. If the oxy-hydrogen gas has some water even little, the

temperature of the oxy-hydrogen flame will become lower.

7) Electrolyte -Automatic Cycle Technology

We used static way to realize Electrolyte Cycle, don't used pump because the pump is a mechanic unit that is easily damaged.

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	OH100	OH200			
Model Number	OH100	OH200			
AC Voltage Requirement (V)	220,Single phase	220,Single phase			
Power Consumption (kW/h)	0.4	0.8			
Max Gas Output(L/h)	100	200			
Max. Working Pressure (kg/cm2)	1.3	1.9			
Max. Water Consumption (L/h)	0.05	0.11			
Water Feed	manual	manual			
Dimensions - L*W*H (mm)	435*308*540	485*300*540			
Gross Weight (kg)	15	20			

5. Technical Specifications

	OH300	OH400
Model Number		OH400
AC Voltage Requirement (V)	220,Single phase	220,Single phase
Power Consumption (kW/h)	1.2	1.4
Max Gas Output(L/h)	300	400
Max. Working Pressure (kg/cm2)	1.3	1.3
Max. Water Consumption (L/h)	0.17	0.23
Water Feed	manual	manual
Dimensions - L*W*H (mm)	640*245*550	730*300*540
Gross Weight (kg)	25	32
	OH600	OH1500
Model Number		
AC Voltage Requirement (V)	220,Single phase	380,three phase
Power Consumption (kW/h)	2.5	4.5
Max Gas Output(L/h)	650	1500
Max. Working Pressure (kg/cm2)	1.3	1.9
Max. Water Consumption (L/h)	0.33	0.9
Water Feed	manual	manual
Dimensions - L*W*H (mm)	1050*300*540	1200*800*1200
Gross Weight (kg)	40	200

	OH3000	OH5500
Model Number		
AC Voltage Requirement (V)	380,three phase	380,three phase
Power Consumption (kW/h)	9	17
Max Gas Output(L/h)	2700	5000
Max. Working Pressure (kg/cm2)	1.9	1.9
Max. Water Consumption (L/h)	1.8	2.8
Water Feed	auto	auto
Dimensions - L*W*H (mm)	1300*800*1300	1500*800*1450
Gross Weight (kg)	330	396
Model Number	OH7500 OH7500	
AC Voltage Requirement (V)	380,three phase	380,three phase
Power Consumption (kW/h)	23	31
Max Gas Output(L/h)	7200	10000
Max. Working Pressure (kg/cm2)	1.9	1.9
Max. Water Consumption (L/h)	4	5.6
Water Feed	auto	auto
Dimensions - L*W*H (mm)	1650*800*1500	1520*900*1490
Gross Weight (kg)	552	610

10 Models in total for choosing, if you need other model, we can customize it according to your requirement.

6. CE,ISO9001,FCC,TUV Certificates



High Quality Products Are What We Want To Offer To Our Customers!

⁹ Okay Energy Equipment Co.,Ltd