

Models: OH-50, OH-600, Water Welder



OH-50

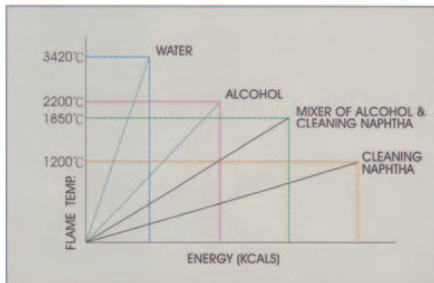
Just add di-water & plug the plug. Then you can get the mixed gas of hydrogen & oxygen which pass through the fan to condense water vapor. The functions of booster are to add the enthalpy, to reduce the flame temperature, to rise the pressure of gas and to increase the energy. It's a very economical method to have a hi-temperature flame.

Features:

- Fuel are water, electric power and a little of solvent. Easy to get and storage safty.
- $2H_2+O_2$ burn $2H_2O$ (vapor). the vapor left from burning is non toxic & non pollution.
- Good designed machine constructure, for continuous operation.
- Torch with built-in defusion stone, pressure switch, over-pressure relieve valve, to protect the machine absolutly safty.
- Flame temperature range is up to $3420^{\circ}C$ or can be down to $1200^{\circ}C$.
- Easy to change the flame size especially in very fine flame usage area. Tip orifice size are from $0.076mm$ ϕ (30#) to $1.056mm$ ϕ (16#)
- Compact and easy operation.

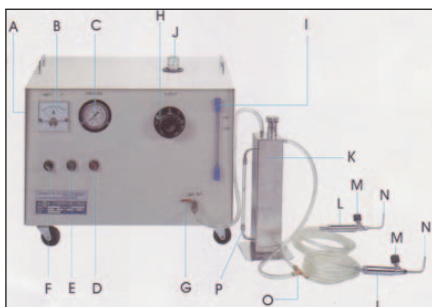
Applications:

- Metal welding: lead-tin soldering, gold, silver, copper, brass brazing, for spot & plate welding, such as ear-ring, necklace, chains, finger ring, etc.
- Glass process: ampoule sealing, quartz glass process, mercury switch sealing, glass capillary tube forming, bending, etc.
- Motor industry: stator copper-thread welding and no need to peel the cover.
- Hi-melting point metal welding: thermal couple thread welding, led plate connecting, computer stripping teflon tape cable cover peeling and cutting. gold wire ball bonding.
- Sun glasses hing's welding.
- Arcrylic surface or edge flame polishing.
- Tooth mold pin hole mending.
- Lead acid battery electrode plate welding.
- Heat treatment for small part and precise craft.



Booster's Function Diagram

Model	OH-50	OH-80	OH-150	OH-300
Max. KCAL Output	270 Kcal/hr	430 Kcal/hr	800 Kcal/hr	1600 Kcal/hr
Max. Power Input	400 watts	640 watts	1200 watts	2400 watts
Max. Torch Tip Orifice	No.21	No.20	No.19	No.18
Electrolyte Capacity	1.6e	3e	6e	10e
DI Water Comsumption Rate	0.02e/hr	0.035e/hr	0.06e/hr	0.12e/hr
DI Water Addition Interval	8hr	8hr	8hr	8hr
Power	110/220V 50/60 Hz 1 ϕ	110/220V 50/60 Hz 1 ϕ	110/220V 50/60 Hz 1 ϕ	110/220V 50/60 Hz 1 ϕ
Packing Dimension W x D x H(m/m)	370x370x340	510x410x400	580x500x560	680x540x560
(N.W)	24kgs	34kgs	55kgs	67kgs
Solvent Consumption Rate (BOOSTER)	0.005e/hr	0.009e/hr	0.015e/hr	0.03e/hr
NO. Of Simultaneous Operation Torch With # 21 Tip	1	2	4	6



- A. Colling fan
- B. Input a meter
- C. Gas pressure gauge
- D. Tank hi pressure cut off pilot
- E. Power on pilot
- F. Power switch
- G. Gas out valve
- H. Output adj.
- I. Electrolyte tank sight glass
- J. Di water add port
- K. Booster
- L. Defusion stone pipe
- M. Flame adj. valve
- N. Torch tip
- O. Three way connection
- P. Booster sight glass