



**OKAY ENERGY** Changsha City Okay Energy Equipment Co.,Ltd

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# Oxyhydrogen Ampoule Bottle Sealing Machine



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沃克能源 沃克焊接事业部



## **(1) Introduction of Oxy-hydrogen sealing machine**

Traditional Ampoule bottle sealing adopt liquefied gas as fuel, use air as combustion-supporting, so its flame have CO<sub>2</sub> , CO and nitride which may have bad influence to the medicine in the ampoule bottle, and it is also not safe for working environment.

Okay Energy Oxy-hydrogen Generator have huge Success on Ampoule bottle sealing .Oxy-hydrogen generator mainly electrolyzes water to hydrogen and oxygen, when burn the gas, the oxy-hydrogen flame temperature is up to 2800℃ , the flame can seal ampoule bottle rapidly. And the effect as well as the speed is higher and faster than adopting by liquefied gas.

## **(2) Comparison of oxy-hydrogen flame sealing with traditional liquefied gas sealing method.**

Advantages by Oxy-hydrogen flame sealing on ampoule bottle:

1. Safety: Oxy-hydrogen technology only need water and a little electricity, no need extra cylinder to store gas, it is plug and play, user have no worry about gas leakage or explosion.
2. Convenience: Oxy-hydrogen sealing only need water and a little electricity. One liter water can be used for 7-8 hours. Traditional liquefied gas sealing need cylinder store gas which need be moved, inconvenient.
3. Clean: When Oxy-hydrogen gas burns, it can bring very little invisible water vapor, which have no harm to medicine in ampoule bottle. However, when liquefied gas burns, there is Co<sub>2</sub>, Co and NO<sub>x</sub> which may influence the medicine quality in the bottle.
4. High efficiency: The speed to seal ampoule bottle by Oxy-hydrogen is faster than that by liquefied gas.

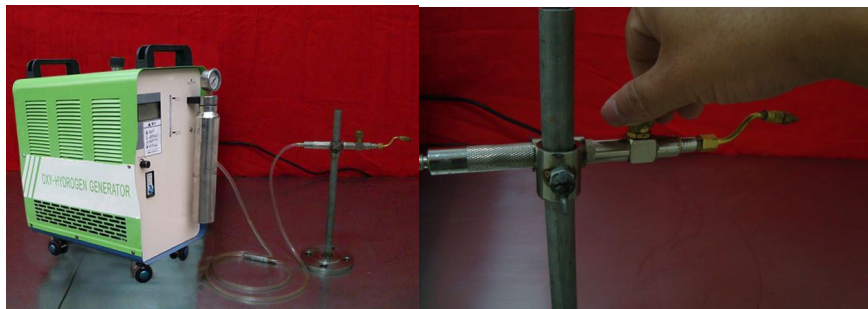
## **(3) Composition of Oxy-hydrogen flame sealing**

Oxy-hydrogen generator +torch + adjustable frame supporting + tweezers.

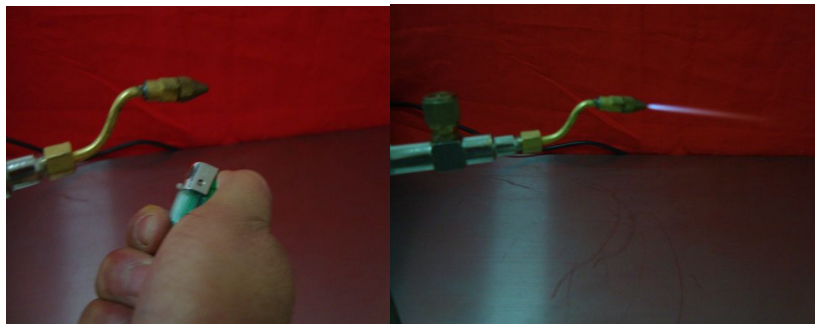


#### **(4) How to operate the oxy-hydrogen generator for sealing on ampoule bottle?**

1. Install the oxy-hydrogen generator by following manual, then connect the gas pipe, and adjust the position of the torch.
2. Turn on the Oxy-hydrogen generator, the machine start working to produce gas, when the pressure of the piezometer rises up to 0.1Mpa, open the valve of the torch for gas out.



3. Adopt lighter to fire the oxy-hydrogen gas for flame, user can adjust the valve to control the flame.(Attention: when fire the gas, don't let any parts of your body in the front of the flame nozzle in case burnt ;when use lighter , user need fire from the side of the flame torch in case burnt your hand.





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4 . There is a tweezers with the machine, please use this professional tweezers to clamp the ampoule bottle tightly in case the bottle falling off, at the same time the bottle should be rotated by hands.



5. Put the bottle which clamped by the tweezers to the oxy-hydrogen gas flame for heating .Rotate the bottle while heating .When the bottle is heat ,pull up the bottle head by tweezers, then bottle is sealed. Please see the video by the link

<http://www.okayenergy.com/video/product-video/65.html>

<http://www.okayenergy.com/video/product-video/ampoule-sealing-manufacturing-video.html>