



Oxyhydrogen Torch

Smelting, cutting, welding torch. Ideal for special welds, such as bronze/silver and copper.



Characteristics

- **Operation:** HHO Gas Generator (Oxyhydrogen)
- **Fuel Type:** Water.
- **Reactor Type:** Semi-dry cells in austenitic steel.
- **Start:** Manual.
- **Grill Type:** Simple, Removable Wire Rod.
- **Burners:** 1 Bronze Peak Burner, Bronze Joints.
- **Safety:** Safety Knobs, Specialized Flame Arrester for Gas Type, Specialized Electronic Card for Gas Type.
- **Cover:** Stainless steel.
- **Joints:** PVC Quick Connections.
- **Dimensions:** Height 13.8 in x Depth 17.3 in x Width 11.4 in.
- **Consumption:** 500 W

Side By Side Comparison

Acetylene	HHO
Low diffusibility: It stagnates easily in enclosed places.	Highly diffusible: It is very difficult to store, so any space will escape.
Emissions: high in CO ₂ , benzene and anhydrides.	Emissions: zero CO ₂ , the only by-product Water.
Flame Temperature: 3200°C	Flame Temperature: 2800°C
Safety: Technical glitches, leak issues, heavy tanks, and uncomfortable transport.	Safety: Low weight, reliable flame arrester systems, no risk of explosion in the event of leaks thanks to high diffusibility.
Energy Type: Non-renewable.	Energy Type: Different types of sources, especially renewables.
Profitability: Affordable and spacious.	Profitability: affordable and small.
Usage Time: in small cylinders approximately 15-20 days.	Usage Time: more than 10 days with 1 liter of water
Structure: Metálica, ancha	Structure: Plastics, recyclable materials, stainless steel.
Electronic systems: None	Electronic Systems: Electronic Card included for equipment support with function controls.



Harmful Gases It is important to highlight that the use of Acetylene, one of the main derivatives of the burning of this fuel is Benzene, a highly carcinogenic chemical, and the main contributing agent of Leukemia.

Function

The oxyhydrogen torch serves to efficiently perform different types of work compared with conventional acetylene systems. Our system is easy to transport. Our reactor uses water as a fuel and divides it into its base elements (hydrogen / oxygen) producing an eco-friendly gas with low electricity consumption. This type of torch is suitable for any type of commercial use.

Innovative and Safe Technology.

We extract the energy potential of water to be converted into Hydrogen, all in an innovative way without affecting health.

The purpose of this system is to replace heavy and unsafe gas tanks, prevent possible leaks in the pipes and eliminating harmful gases from the environment.



Advantages

1. Easy refueling, safe and affordable.
2. Innovative safe systems.
3. Electronic Systems with Sensors to ensure continued use.
4. Zero emission of polluting gases.
5. Use of Renewable Energy
6. Easy adaptation of the equipment within any space.