



**ERREDUE Company**

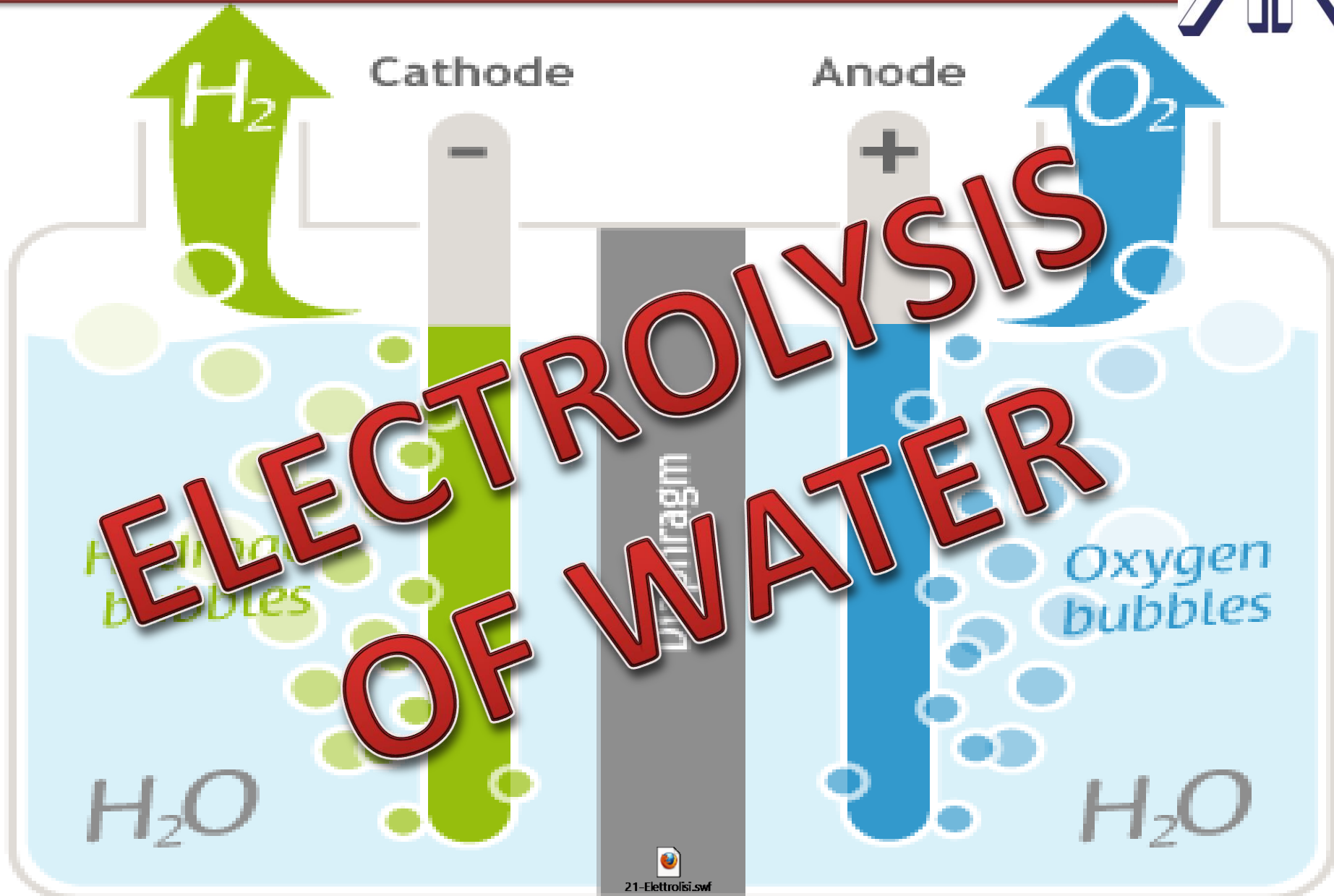
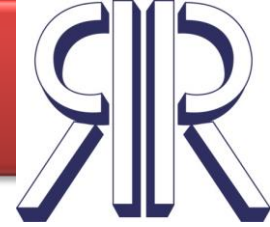
**ERREDUE S.p.A.**

**Company**

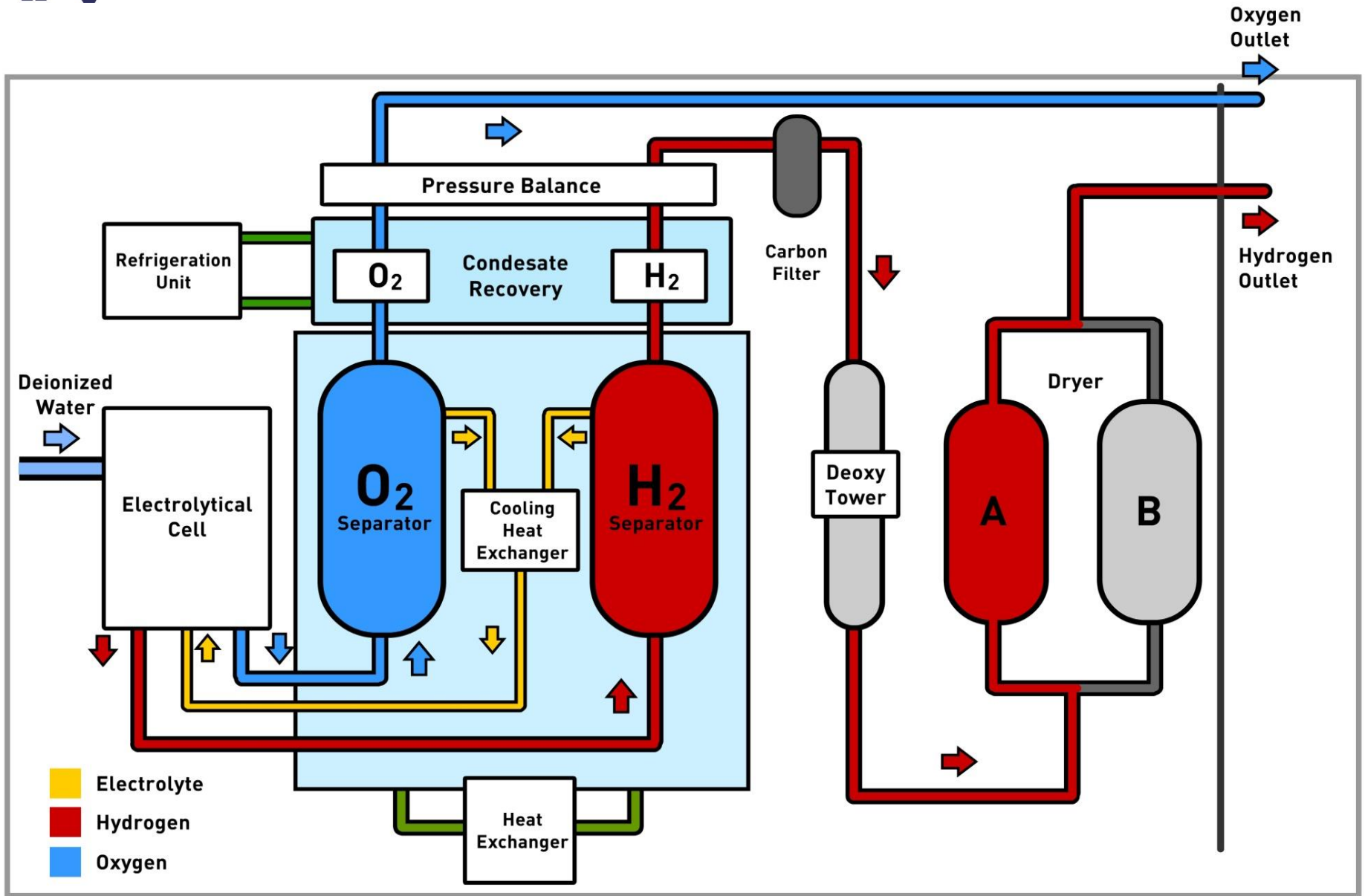
**presentation**



# Hydrogen generator "HOW IT WORKS"



# Hydrogen generator – HOW IT WORKS





# Hydrogen generators – RANGE



**Flow range: 1 to 42 m<sup>3</sup>/hr H<sub>2</sub>**  
**Pressure: up to 30 bar(g)**



# Hydrogen generators – RANGE



Mod.G64/D - 42,6 m<sup>3</sup>/hr-H<sub>2</sub>

Pressure up to 30 bar (g)



# Hydrogen – “welding”

*FLAMES & WELDING*





# Hydrogen – “welding”

- **HYDROGEN GENERATOR** is a cost friendly and safe method to produce a welding flame.
- Instead of using gas bottles, it “generates hydrogen and oxygen gases” using just water and an electrical input. These gases can be combusted in a brazing torch and offer advantages as an alternative to oxy-acetylene and oxy-propane.”



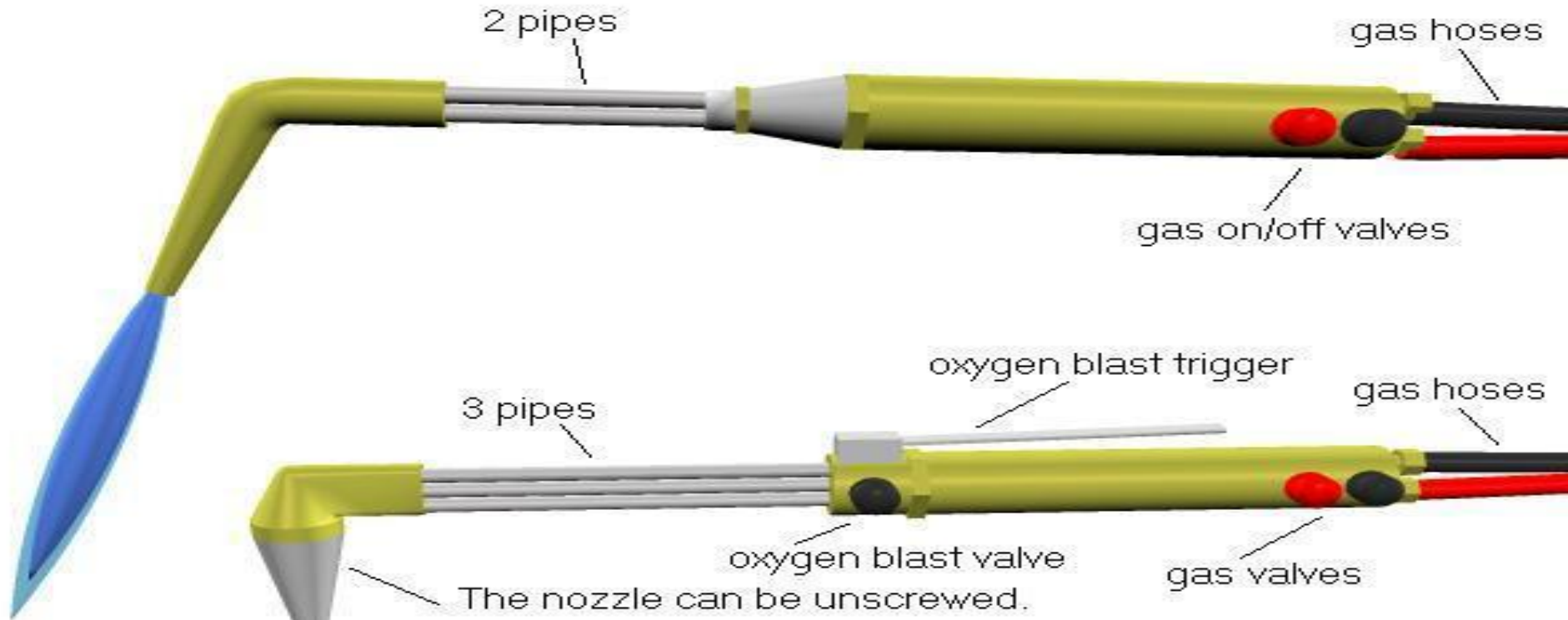
# Hydrogen – “welding”

- Cost to run a torch is at least 10 times cheaper than standard acetylene gas.
- From an environmental standpoint it is far superior, hydrogen based flame only produces water when it burns.

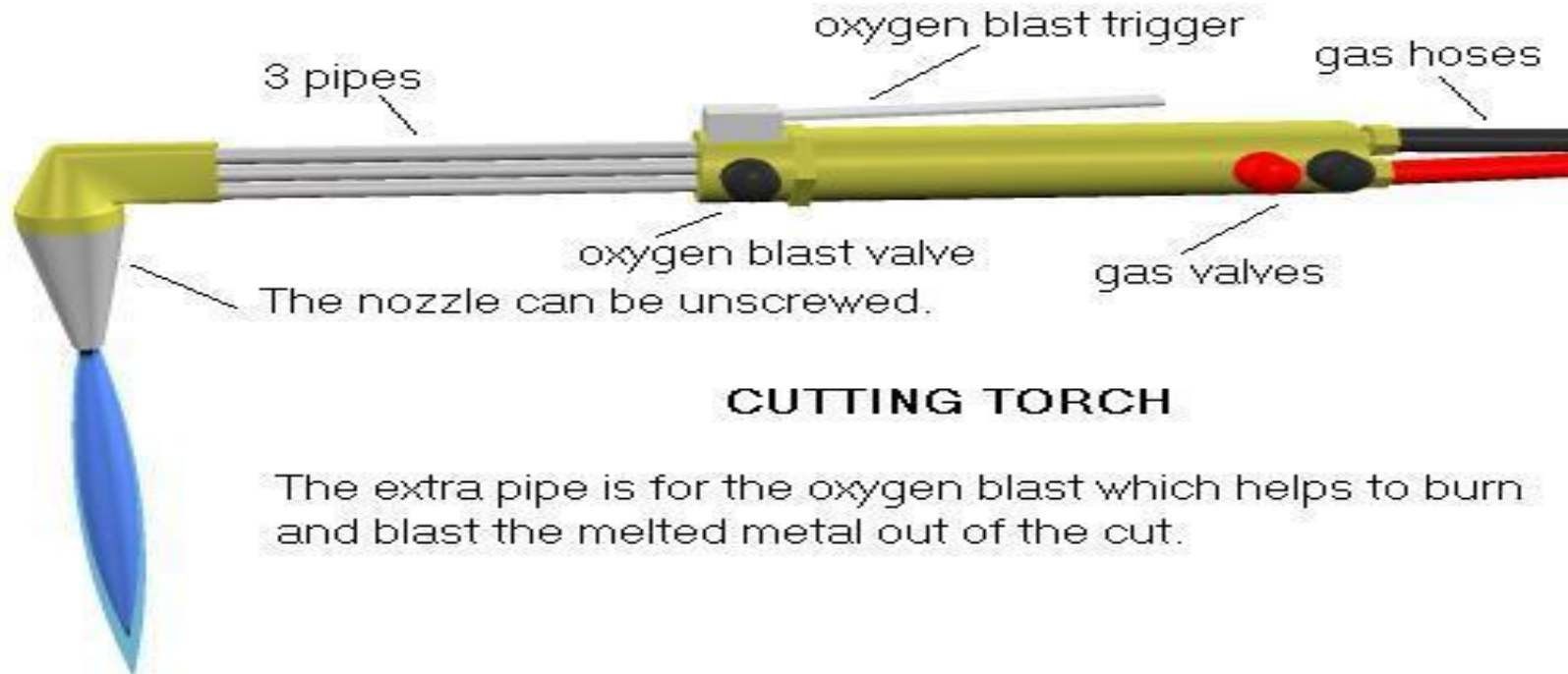


# Hydrogen – “welding”

## WELDING TORCH



## CUTTING TORCH



The extra pipe is for the oxygen blast which helps to burn and blast the melted metal out of the cut.



Hydrogen – “welding”

**SMALL FLAMES FOR  
Jewelry & Goldsmith's art**





Hydrogen – “welding”

# Goldsmith's art





# Hydrogen – “welding”

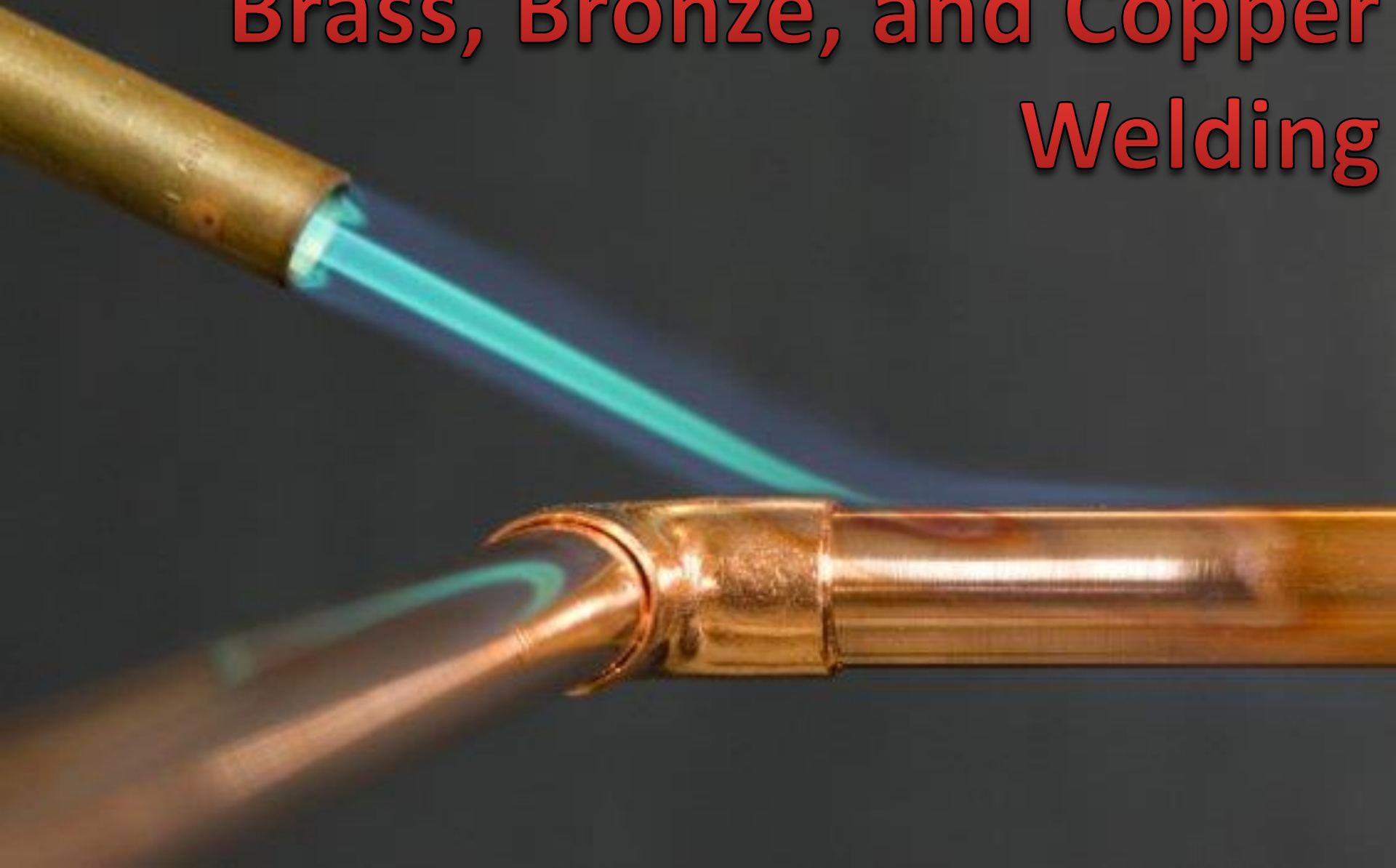
**Brass, Bronze, &  
Copper Welding**





# Hydrogen – “welding”

## Brass, Bronze, and Copper Welding





# Hydrogen – “welding”

**Brazing - tools industry  
to fasten “HARD  
METAL” (carbide,  
ceramics, cermet, and  
similar)**





# Hydrogen – “welding”

**Brazing in metal furniture industry to fasten carbon steel parts**





# Hydrogen – “welding”

**Flames in glass  
manufacturing**

