

# Gas Mixing Regulator

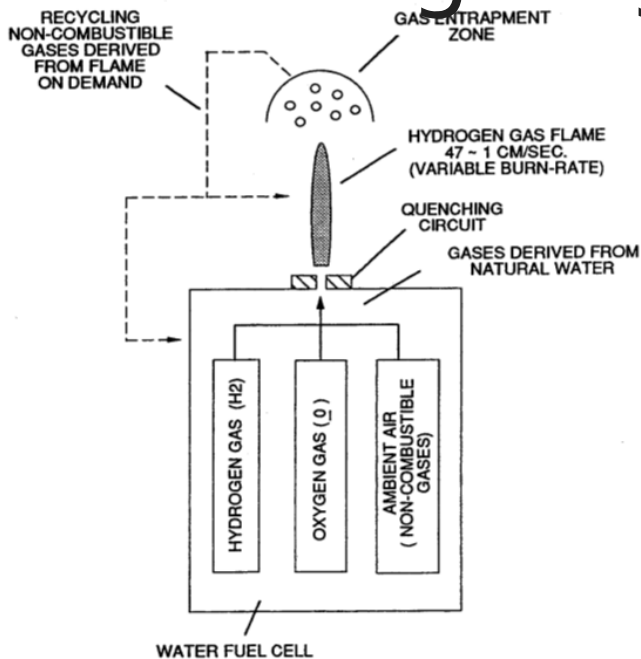


FIGURE 2-3: GAS MIXING REGULATOR

Inherently, the **Water Fuel Cell** allows

the "**Burn-Rate**" of **Hydrogen** to be "Changed" or "adjusted" from 325 cm/sec. to 42 cm/sec.

(Co-equalling Natural Gas Burning levels) since **Non-Combustible Gases** (such as Nitrogen, Argon, and other non-burnable gases) derived from **Ambient Air** dissolved in natural water performs the **Gas Retarding Process**

... sustaining and maintaining an **Open-Air Flame** beyond 5000-degrees F, as illustrated in Figure (2-3)

Natural water acts and performs as a "**Gas-Mixing Regulator**" when the **Fuel-Cell** is electrically energized by way of voltage stimulation (Electrical Polarization Process)

... producing a uniform gas-mixture (B/D) regardless of the **Gas Flow-Rate** of the **Fuel-Cell**

... producing a uniform gas-mixture (B/D) only when needed.

In quiescent-state, the supply of gases (B/D) being released from the water bath is "terminated" and "stopped" when the **Fuel-Cell** becomes "de-energized".

The unused water, of course, remains as a non-burnable liquid.

The gases (B/D) above the water bath is "vented" for safety purposes.

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