

# HYDROGEN MINER<sup>®</sup> POOL

by EMARENA



**“The Apex of Ozone Use Is Saving Your Hydrogen”**

20240209

# EMARENA

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## Hydrogen Miner<sup>®</sup> - POOL ::

POOL series offers gas productivity through Electrolysis for use in aqueous treatment of water in pools, spas, hot-tubs and baths. Save the Hydrogen that you make while treating your water.

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### Hydrogen Miner Basics :

Hydrogen Miner machines are ideal for both Oxygen and Hydrogen production. Hydrogen Miner is designed for ease of use, reduce maintenance and optimized for extended service life. Stainless steel Electrodes are included to produce high quality gas at an affordable rate and are consumable.

### Ozone Generator :

The POOL Series of Electrolysis machines include an Ozone generator attachment to convert Oxygen gas into Ozone. A simple bubbler is used in line with a filtration system as a closed, low pressure vessel or as a contained skimmer vessel to treat "pooled" water.

### Reduced Chemical Footprint :

Ozone may be used to treat bath, spa, hot-tub, pool water or similar. As a solute, Ozone decays over time within the solution allowing for pre-treatment of large volumes of water.

### Ozone Mediation :

Ozone may require mediation using green house filters to filter both the air and the treated water using activated charcoal or other means. Pre-treatment of Ozone is suggested prior to pool use.

### Requirements for Standard Setup :

- Gas compression and storage systems for Hydrogen.
- Protective containment for cells is suggested as a room, cubicle or container.
- An isolated electrical box for AC and DC supplies.
- Variable DC voltage supply of 5-50 Volts, 1A/V.
- 120 Volts, 400 Watts per two cell for Ozone generation.
- *As per industrial code: In house electricians, industrial gas or plumbing specialists may be required.*

*Ozone Warning: The Biomedical Hazards of Ozone are not addressed. Ozone poses an inhalation risk that must be both assessed so as to optimize the beneficial impact to risk. Hydrogen Miner dispenses greater than 99% Oxygen that in turn produces more ozone than an air based system.*



**HYDROGEN MINER**  
SINGLE CELL

### Fee Schedule 2024:

- 15,500\$USD :: Hydrogen Miner Pool Cell Purchase (pre-order only); includes Ozone attachment and bubbler.
- 2,000\$USD :: Hydrogen Miner [ Unbranded ] Monthly Rental, 12 month minimum.
- 500\$USD/Hr :: Hydrogen Miner Setup cost per hour.
- At Cost\$ :: Incidentals and Transportation/Shipping.

### Scientific / Research:

500\$ per hour.

### Maintenance, Upgrades and Options:

At Cost. Stainless Steel, Copper, Platinum or Aluminum Electrodes (1 inch diameter).

At Cost. Custom non-reactive seals and compatible adhesive.

At Cost. Refurbishing, repair or modification of Hydrogen Miner. Ozone attachment units must be replaced.

**WARRANTY : NO WARRANTY OR CLAIM OF WARRANTY, PRICES MAY CHANGE WITHOUT NOTICE**