



Disrupt Climate Collapse

Technical and Equipment Specifications

Hydroxyl production efficiency:

As the air is taken inside the heated ceramic, and lightly pressurized, 98% of the oxygen passes across the ceramic membrane, which is not electrified, which deters the oxygen from having enough energy to recombine, which a 2-4% fraction will form O₂. The rest remains as the oxide radical, which almost 100% reacts with water vapour to form 2OH*. The 3.2 T of oxide radical, O*, produced annually by our ceramic doubles to over 6.4 T of OH* which is highly leveraged production.

The 100% recyclable ceramic warranties for one year and releases 3.2 Tonnes of Oxide gas (which doubles to OH* on contact with water).

- All of the stainless steel housing warranties for 30+ years, and the system is all stainless.
- The heaters warranty for 3-4 years.
- The Siemens sensors 15 years and thermocouples 2 years
- Mass flow meters 10 years

All used parts are stripped down to component materials and recycled (thermocouple and heater wires/metals). The ceramics give off enough heat to keep large buildings heated, so costs are saved.

Only green electricity is needed for operations-about 900W per cell capacity, but they use less once up to temperature because the ceramic is a near-perfect insulator. I will also attach the operation instructions which are in draft for you so that you can get a feel for the simplicity for people to operate. Everything with this technology is off the shelf except the technical ceramic. Numerical thermal modelling has been performed, which matches our experiences in the lab.

