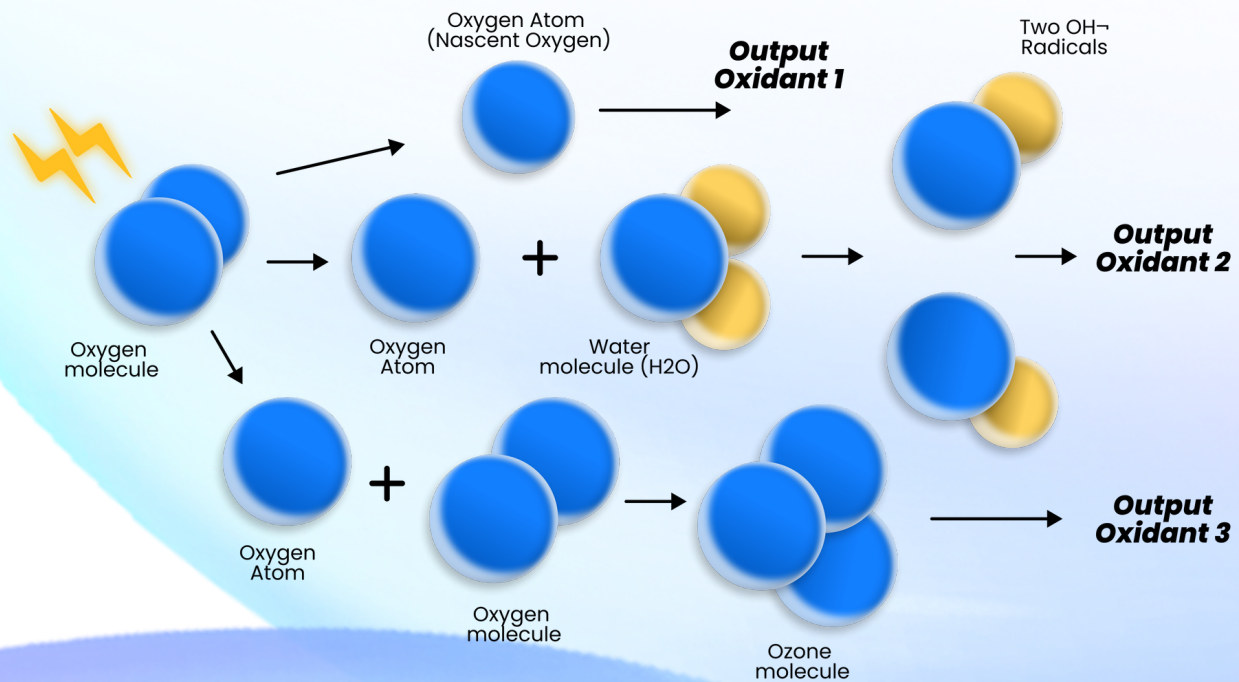


Technology



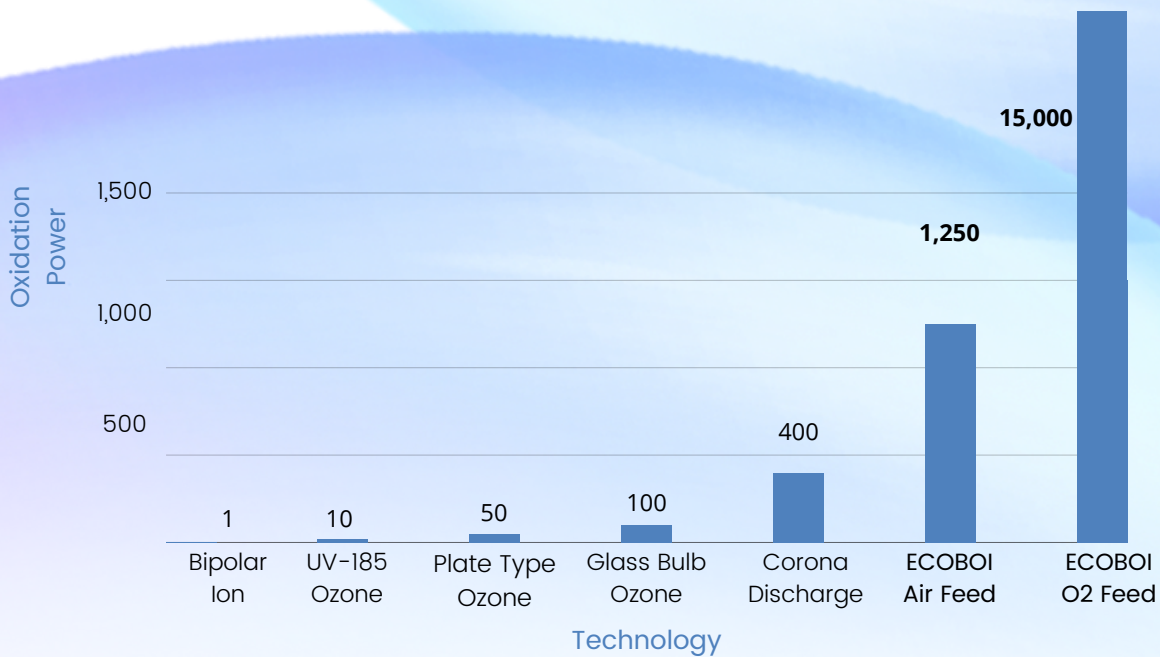
Working Principle of ECOBOI[®]: ECO+BOI

In mother nature, lightning breaks the oxygen molecules to produce different Oxygen derivatives to purify air, water, and land surfaces. These are environmentally friendly nascent oxygen, Ozone, and Hydroxyl radicals with positive and negative ions. ECO stands for "Electro Chemical Oxidation", which uses a high frequency, high voltage electronic driver and the ECO reactor. Ambient air or pure oxygen is fed to the ECO reactor by an air pump from the inlet, and inside the ECO reactor, the oxygen molecules are broken electrically. This produces a nascent oxygen atom, which is a natural oxidising agent. The nascent oxygen

further combines with moisture in the air to produce -OH radicals. The remaining part of the oxygen atom combines with oxygen molecules to produce ozone. BOI stands for "Bipolar Oxygen Ionisation", which makes molecules release or gain electrons, making them positive or negative ions. These ions are the carriers of ECO, extending its reach of ECO for deep penetration. With this, the odour causing volatile chemicals and harmful bacteria, pathogens, viruses, molds, and spores are significantly reduced. Also, these -ve & +ve ions are also ready to exchange electrons by donating or accepting from the atmospheric chemical pollutants.

Chemtronics has developed and patented highly effective and safe "ECOBOI" technology, used for Air and Surface Disinfection and for VOC and foul odour destruction.

Comparison - Technology v/s Oxidation Power



No Consumables



No Chemicals



No Charging



No Refill

Application Spectrum:



Residential



Offices



Factories



Schools



services



Hotels & Resorts



Religious Places



Hospital



Malls

Certifications:



Indian Patent
no.: 448996

Safety Compliances:



ECOBOI

Chemtronics
Innovation In Sustainable Solution