



Commercial Kitchen Exhaust Air Treatment

Fire Safety
Exhaust Air De-odorisation
Oil & Grease Oxidation
PCB Compliance

A Commercial Kitchen ventilation system dissipates heat, oil, grease, smoke, toxic gases, and cooking odour to provide a fresh kitchen environment. It is essential and, in some cases, mandatory to treat this exhaust air before it is released into the atmosphere for PCB compliance.

During kitchen ventilation, oil and grease are deposited on the inner surface of the exhaust ducts, which can pose a serious fire threat to a commercial kitchen. Cleaning the kitchen ducts is also a nightmare.

Solution - Penetrate and Treat

Chemtronics has developed a "Penetrate & Treat" technique by which kitchen exhaust pollutants, toxic gases, oil, grease & odor can all be easily & comprehensively be oxidised with "ECOBOI" technology.



Penetrate

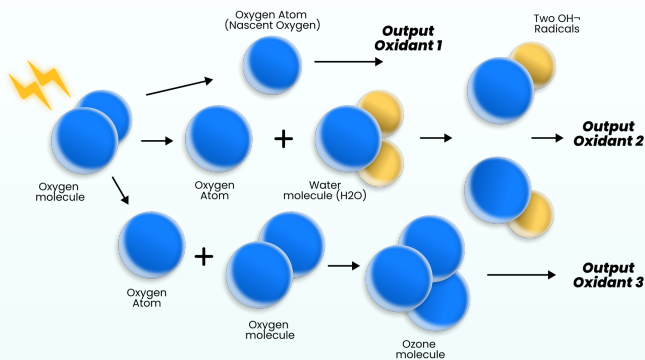


Treat

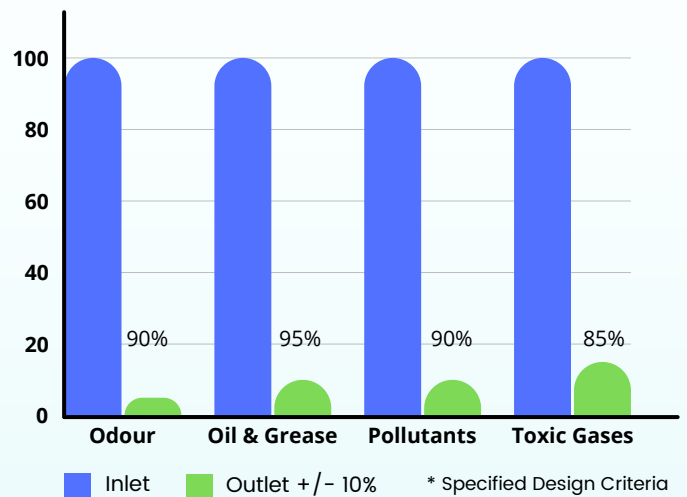
What is ECOBOI ?

ECOBOI is an advance oxidation technique, by which pollutants in the exhaust air are oxidised.

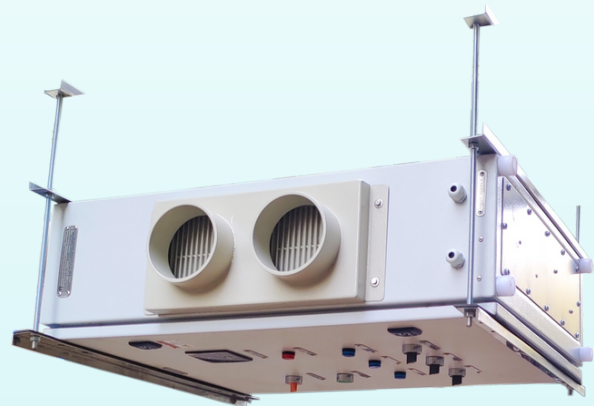
How it is Generated?



ECOBOI Efficiency

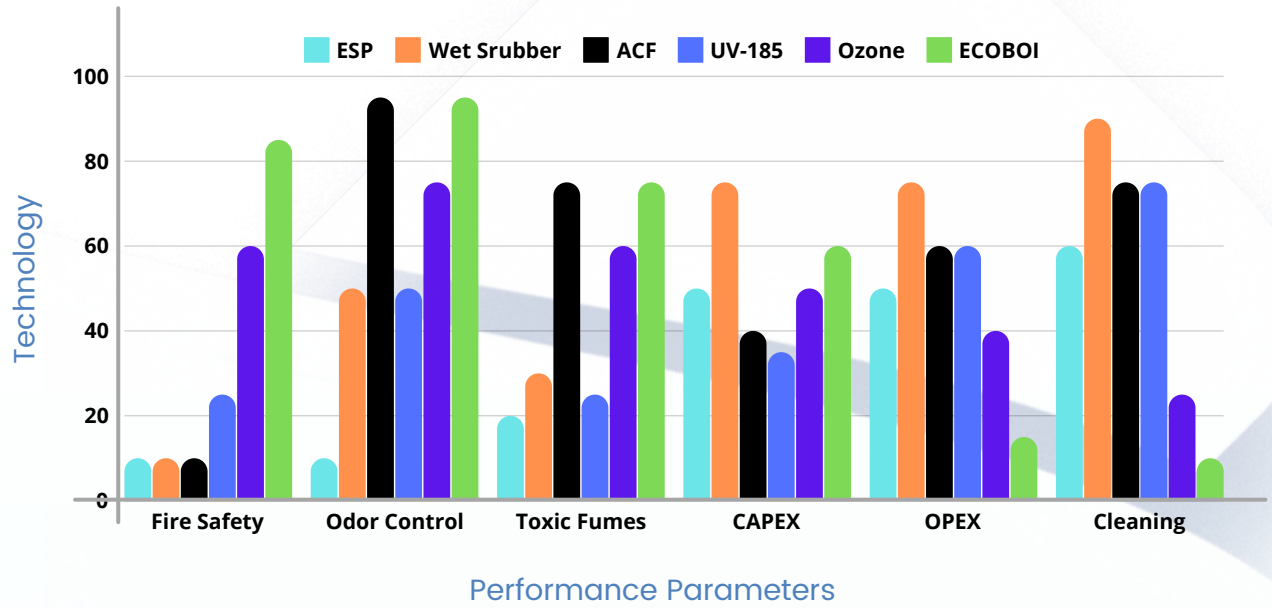


Wall Mounted
EXO 50 - EXO 200

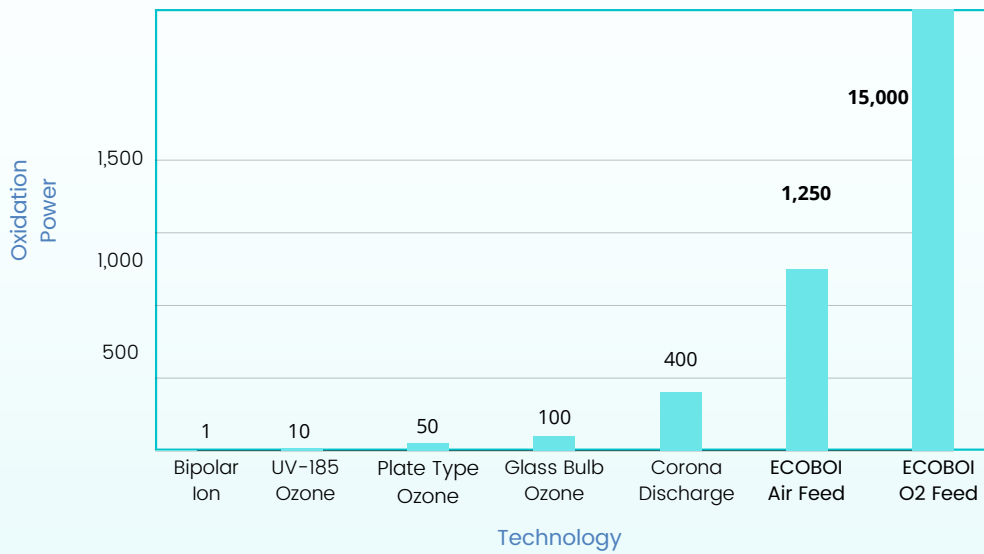


Ceiling Suspended
EXO 50 - EXO 200

Technologies v/s Performance Parameters



Comparison - Technology v/s Oxidation Power



Advantages



High Performance



Comprehensive Cleaning



No Consumables



Long Life



Lower Service



500 cfm to 100,000 cfm



Low CAPEX



Low OPEX



New Installation



Retrofitting

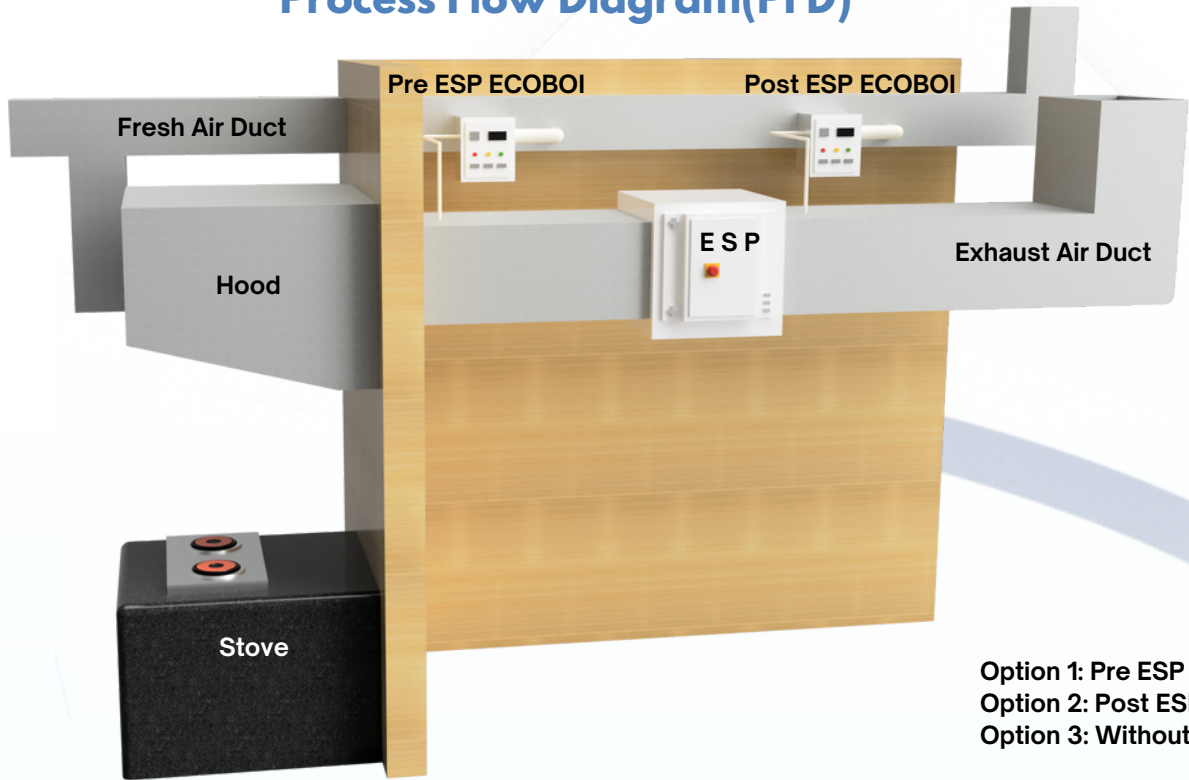


Before



After

Process Flow Diagram(PFD)



Option 1: Pre ESP
Option 2: Post ESP
Option 3: Without ESP

Comprehansive Solution



Fire Safety



Odor



Oil & Grease



Toxic Gases



Air Changes Per Hour



Exhaust Air Velocity



Contact Time



Final Exhaust Discharge End

Benefits



PCB Compliance



CAPAX | OPEX Cost Saving



Extended duct cleaning frequency



Saving duct cleaning time

- Tender Specification
- Bill Of Quantity (BOQ)
- Technical Specification
- Process Flow Diagram (PFD)
- General Arrangement Drawing (GAD)
- Catalogue/Technical Data Sheet (TDS)
- Unit Picture

Application Spectrum

- Commercial Kitchen
- Food court
- Hotels and Restaurants
- Religious Kitchens
- Hospitals
- Schools and Colleges



PROSOFT Mobile App



Contact Details

Patent No - 448996

ECOBOI®

Chemtronics®
Innovation In Sustainable Solution