



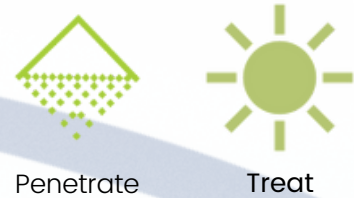
# Commercial Kitchen Exhaust Air Treatment

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

Commercial Kitchen ventilation system serves to dissipate heat, oil, grease, smoke, toxic gases & cooking odour to provide a fresh environment in the kitchen. It is important & in some cases for PCB compliance, mandatory to treat this exhaust air before they are released into the atmosphere. In the process of kitchen ventilation, oil & grease get deposited in the inner surface of the exhaust ducts, which is the greatest fire threat to a commercial kitchen. Cleaning the kitchen ducts is a nightmare.

## Solution - Penetrate and Treat

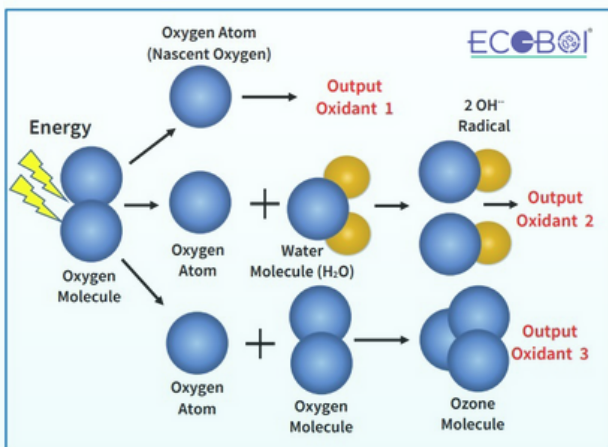
Chemtronics has developed a "Penetrate & Treat" technique by which kitchen exhaust pollutants, toxic gases, oil, grease & odor can all be easily & comprehensively be oxidised with "ECOBOI" technology.



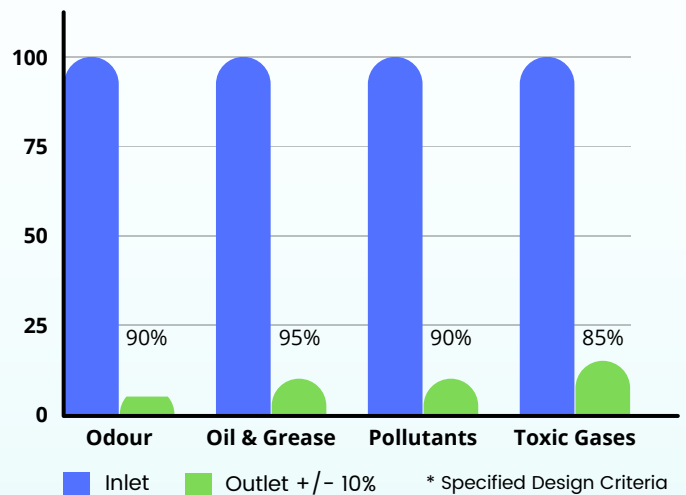
## What is ECOBOI ?

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

## How it is Generated?



## ECOBOI Efficiency

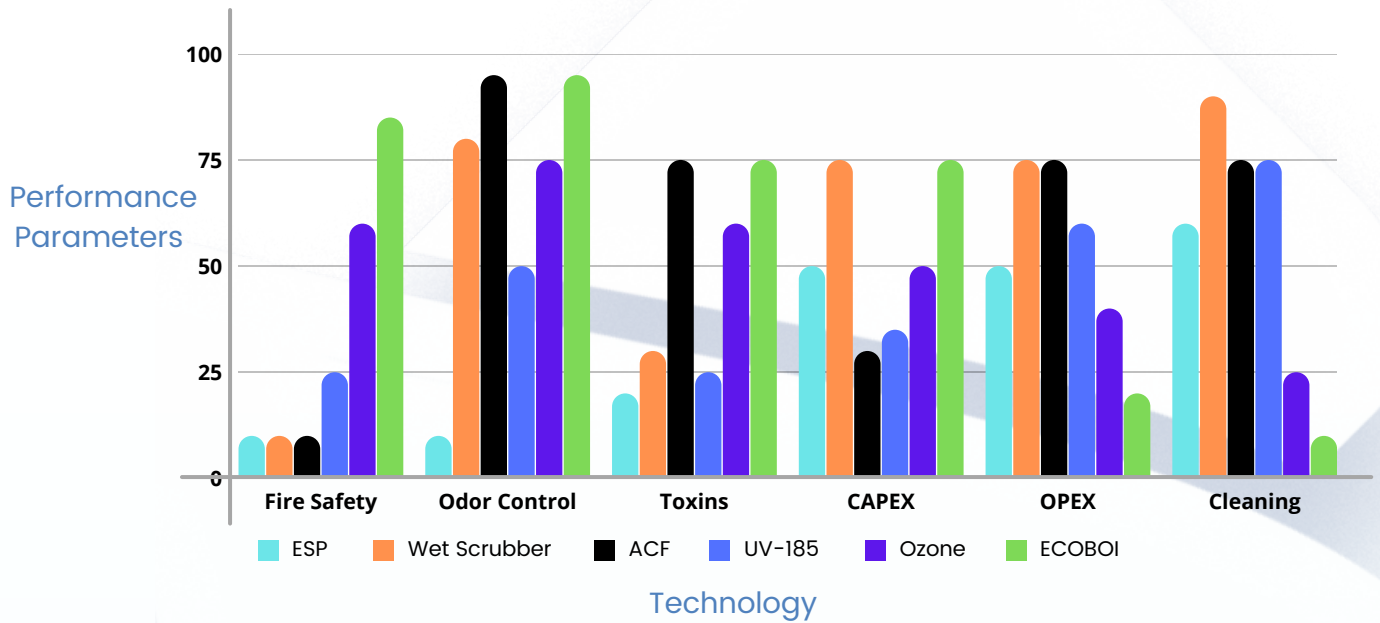


**Wall Mounted  
EXO 50 - EXO 200**

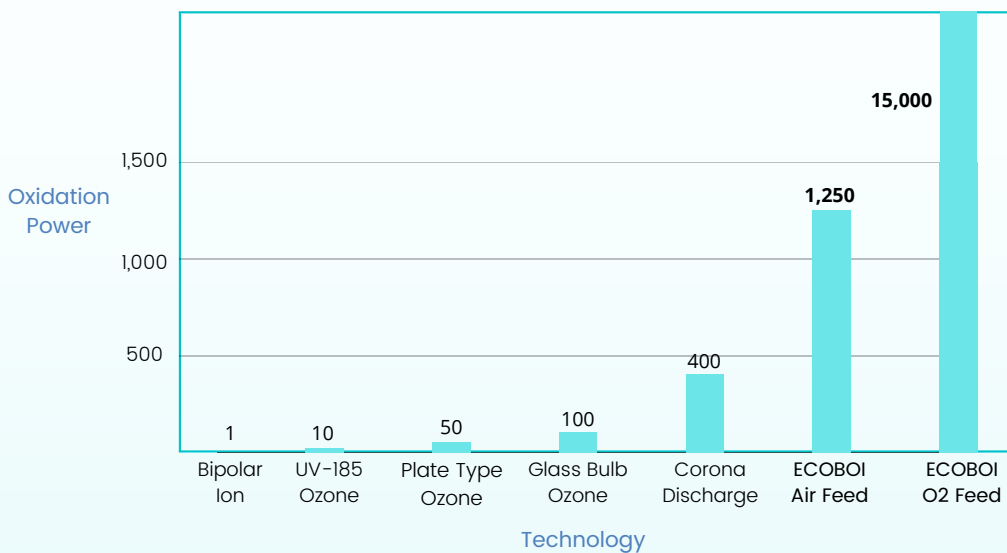


**Ceiling Suspended  
EXO 50 - EXO 200**

## 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



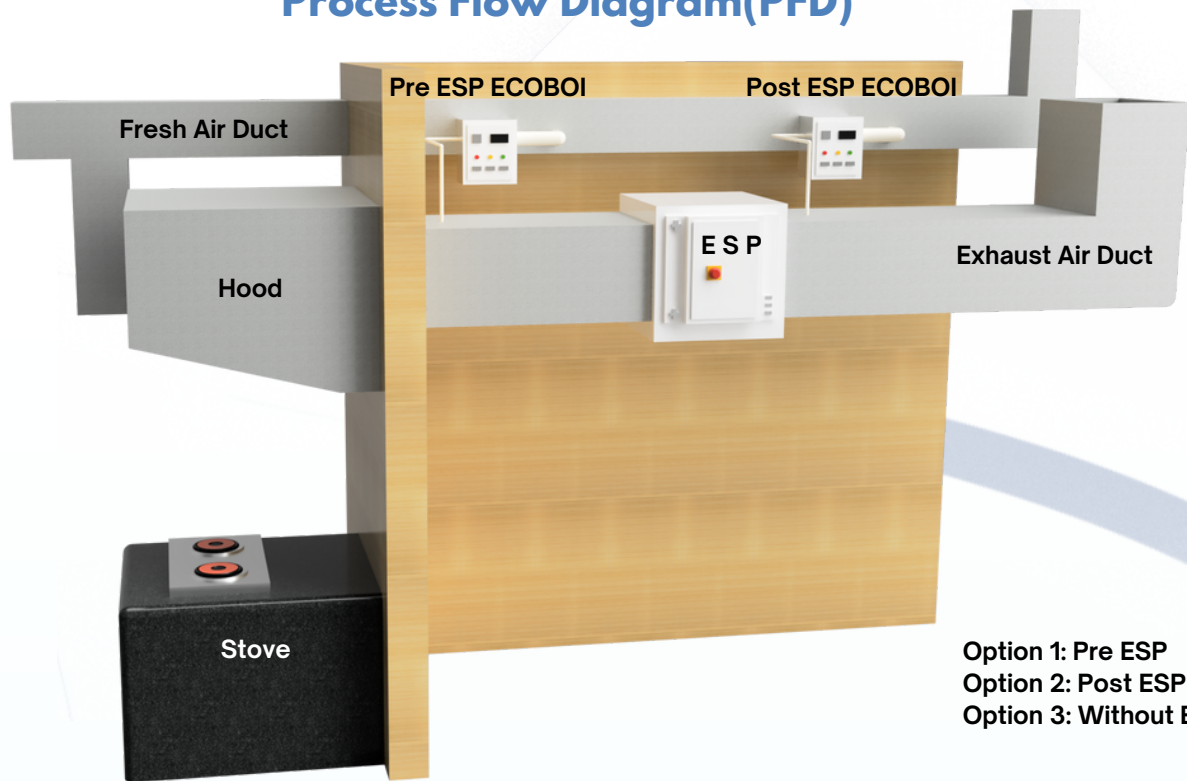
Before



After



## Process Flow Diagram(PFD)



## 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

## Design Software - PROSOFT

- 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

ECOBOI®

**Chemtronics®**  
Innovation In Sustainable Solution