



ECOPOLLUTECH ENGINEERS

Head Off.: 657/7, FIRST FLOOR, Govindpuri, Kalkaji,
New Delhi-110019

Mobile : 9899205997,9811199359

Website : www.ecopollutech.com

Emailid : ecopollutech@gmail.com, info@ecopollutech.com

ABOUT US

Eco Pollutech Engineers was launched with an idea to provide the clients with professional value added services in the field of Water Pollution Control Measures (Water Treatment / Sewage Treatment / Effluent Treatment), Air Pollution Control Measures (Cyclone type Dust Collector, Bag type Dust Collector, Scrubber) and Solid waste /Organic waste Composting Machine.

EPE has more than 20 years of wide experience in successfully execution to eradicate and control Pollution of various categories of industries

EPE, has necessary infrastructure including own manufacturing unit and very efficient team to handle the successful implementation of Turnkey Projects in Air & Water Pollution Control systems and solid waste (biodegradable) Management.

Our Mission is to provide our consumers with pioneering quality product and excellent service at the most affordable Prices.



Modular STP



Organic Waste Composter



Air Pollution Control Devices

OUR PRODUCT RANGE

- ETP-Effluent Treatment Plant •
- STP-Sewage Treatment Plant •
- Waste Water Treatment Plant. •
- Drinking Water Treatment Plant.
- Chemical Treatment For Industrial Effluent ETP.
- Noise Pollution Control System (Acoustic Enclosure).
- Air Pollution Control Devices
- Organic Waste Composting Machine (Automatic/Semi-Automatic/Manual)

WATER & WASTE WATER TREATMENT

EcoPollutech Engineers offers turnkey projects of Sewage Treatment Plants/ Effluent Treatment Plant of Packaged/Modular Structure of 5 KLD to 500 KLD & Civil construction for no limitation of size can be installed in basement and Ground as per local Pollution Control Board norms to make the wastewater reusable.

SEWAGE TREATMENT PLANT

AVAILABLE TECHNOLOGY

- Extended Aeration (ASP)
- Submerged Aeration Fixed Film (SAFF Technology)
- FAB /MBBR
- UASB



STP

KEY SEGMENT/SECTOR FOR USE

Housing societies, commercial complexes, SEZs, hotels and hospitals, Malls, Colleges.. Compact STP for individual bungalows, low rise apartments, restaurants, offices, small factories, malls, hospitals, office building, institutions, townships/colonies, high rise buildings etc.

Treated water can be reused for flushing and irrigation. By treating sewage following parameters can be achieved with COD less than 30 ppm, BOD less than 10 ppm and suspended solids less than 5 ppm.

EFFLUENT TREATMENT SYSTEM

The effluent treatment system is designed to treat the effluent coming from different areas of the plant. The treatment of different effluents varies with the type of effluent. Water effluent treatment systems are designed to treat effluent of Automobile Industry, Pharmaceuticals, Electroplating Industry, Laundry, Dyeing of Cloths, Hospital waste etc. Our cost effective Effluent Treatment Plant assists in removing the pollution effluents effectively. Backed by a team of professionals, we are able to deal in the given below Effluent Treatment Technologies:

- Biological Treatment
- Physio - Chemical Treatment

SALIENT FEATURES:

- Easy installation
- User-friendly consoles
- Better effluent quality
- Minimal maintenance
- Consistent performance
- Low power consumption



Modular ETP

PRODUCT AVAILABLE IN WATER & WASTE WATER TREATMENT

- RO Plant
- RO System
- Pressure Sand Filter
- Multigrade Sand Filter
- Dual Media Filter
- Activated Carbon Filters
- Water Softener
- DM Plant
- Sludge dewatering System – Filter Press



ACF & DMF

AIR POLLUTION CONTROL DEVICES

We are also undertaking Air Pollution Control Projects on turnkey basis for various types of industries like Cement, Paper, Sugar, Chemical, Textile, Furniture & Electroplating. Eco Pollutech Engineers has introduced as leading consultant, Manufacturer & supplier of Air Pollution Control Systems at a very economic and very effective system for Your Air Pollution problem



AXIAL FLOW FANS

Polvent Axial Flow Fan is Capable to deliver large volume of air at relatively low static pressure. The Fan has a sturdy construction of MS Cylindrical casing & Cast aluminium alloy impeller with AERO-FOIL, Section blades dully statically & dynamically balanced, suitable to direct mounting on Motor shaft/bearing supported shaft. Here, Air/Gas passes through parallel to the fan shaft Axis.

• Size : \varnothing 300 mm to \varnothing 1600 mm • Capacity : 2,500m³ / hr to 1,75,000m³ /hr. • Static Pressure : 5 mm WG to 60 mm WG . • Application-Air Supply, Air Exhaust, Air Distribution.



WORKING PRINCIPLE : It has an impeller mounted in a scroll type housing called casing. The impeller is turned either by the direct drive by an electrical motor or implying pulleys & belts. Thus a centrifugal force is created. It provides the necessary energy to move the air/gas

inside the scroll at inlet & radially out through the outlet.

• Size: 100 mm to 1000 mm (inlet dia) • Capacity: 1,000 CMH to 75,000 CMH • Static Pressure: 15 mm WG to 2500 mm WG. • Application - Air/gas handing, Air Ventilation, Air Cooling, Dust Extraction, Air Combustion, Air Humidification, Pneumatic conveying Fume Exhaust etc.



SCRUBBER

The scrubber is the most important device to control of gaseous/smoke pollutants from stack (i.e.) Unburn carbon, sulphur, Nitrogen, Halogen components etc.) The principle mechanism is impacting of dust/fumes particles on the water (Liquid) droplets created by the nozzles I venturi, It is also suitable to collect hot, heavy & Fine dust which is not soluble in water

- Capacity : 1,000 m³ / hr to 25,000 m³ / hr.
- Type : 1. Packed Tower.
2. Plate Tower.
3. Venturi Scrubber
- Advantage : To Control Gaseous Pollutants.
- Applications : Foundries teal & Metallurgical Plant, Shot Blasting Plant., Chemical Plant, Steel Metal Surface Finishing Plant, etc.



BAG TYPE DUST COLLECTOR

Filtration is one of the most reliable & efficient method by which particulate matter can be removed from Air / gas. Here the dust laden air passes through a fabric media accordingly dust eliminated from air / gas stream & Final Relative clean air let into the atmosphere.

- Capacity : 500 m³ / hr to 50,000 m³ / hr.
- Type : (As per bag cleaning arrangement)
1. Manual haking
2. Mechanical haking
3. Reverse pulsejet .
- Advantage : High collection efficiency, Can collect very fine particles.
- Applications : Fine Dust/Power collection for various industries i.e. Brass, Brake Lining & Tobacco, Cement plant, Pulveriser etc.



RANGE OF OUR PRODUCTS

1. Axial Flow fans
2. Air Cooling Systems
3. Centrifugal Blowers
4. Dust Extraction Systems.
5. D.G. Set Acoustic Room / Enclosure & Ventilation.
6. Humidifaction Systems
7. Pressurization / Dust Proofing Systems.
8. Spray Painting / Lacquer Booth.
9. Scrubbing Systems (i.e. Gas / Fume)
10. Unit Dust Collector (Cyclonic / Bag Type)
11. Ventilation Systems (i.e. Supply / Exhaust)

ORGANIC WASTE COMPOSTER(OWC)

Ecopollutech Organic Waste Composter(OWC) are designed to make composting easy and convenient. Its fully automatic and has very compact and aesthetic design.

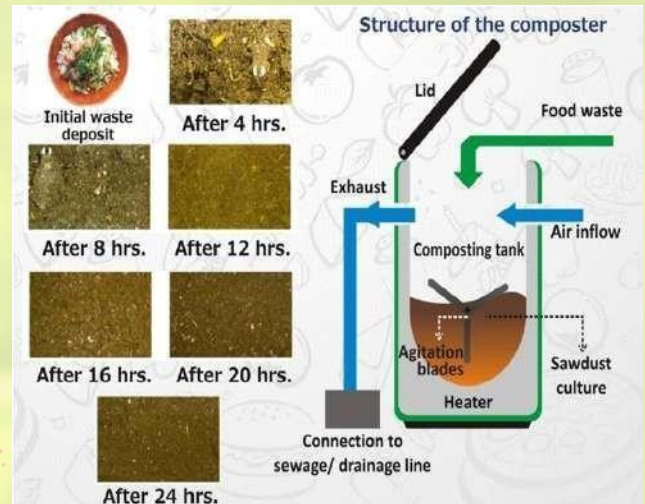
Ecopollutech OWC are equipped with intuitive technology which maintains the right temperature, air flow and moisture. A special bacteria which is heat, salt and acid resistant is used. Once the bacteria are introduced in machine they reproduce at a rapid pace under ideal internal condition.

When organic waste is filled in converter, increase in moisture level is detected by sensor which subsequently starts the heating system. As the temperature increases it activates the bacteria which breaks down organic waste into fertile compost. At the same time moisture in waste is converted into water vapour which is vented through blower into drain. This not just results into nearly 85% volume reduction in compost formed but also converts organic (food) waste into 70-80% mature compost within 24 hours. The constant temperature and air flow prevents odour and pest problem. The compost can be used in garden or can be sold.

FEATURES & SPECIFICATIONS

- Fully automatic.
- Power saving.
- Heavy duty stainless steel composting chamber and agitator shaft.
- Processes almost of all type of organic waste.
- Up to 80 - 90% volume reduction of organic waste into compost
- Low space, Compact, fully covered and attractive outer body
- No Pathogens, safe for human handling
- Noiseless and odourless
- overload function
- Auto stop function when door in open
- Emergency stop button
- Digital temperature display.

Application : Biodegradable wastes generated from - Residential complexes/Housing society/ Resorts/Hotels/Banquet Hall/Malls with food court/ Industrial Canteen/Educational Institute with canteen/Hospitals/Municipalities etc.



TECHNICAL SPECIFICATIONS OF ORGANIC WASTE COMPOSTER MACHINE

MODEL	WCM-50	WCM-100	WCM-200	WCM-1000	WCM-2000
PROCESSING CAPACITY	50KG	100KG	200KG	1000 KG	2000KG
OPERATION	Fully Automatic	Fully Automatic	Fully Automatic	Fully Automatic	Fully Automatic
MATERIAL OF CONSTRUCTION	Composting Chamber SS-304 & Outer Body SS / MS Powder Coated	Composting Chamber SS-304 & Outer Body SS / MS Powder Coated	Composting Chamber SS-304 & Outer Body SS / MS Powder Coated	Composting Chamber SS-304 & Outer Body SS / MS Powder Coated	Composting Chamber SS-304 & Outer Body SS / MS Powder Coated
HEATING SYSTEM	YES	YES	YES	YES	YES
SAFETY FEATURE	YES	YES	YES	YES	YES
CONTROL SYSTEM	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
POWER SUPPLY	440V , 3 PHASE, 50Hz	440V , 3 PHASE, 50Hz	440V , 3 PHASE, 50Hz	440V , 3 PHASE, 50Hz	440V , 3 PHASE, 50Hz
DOORS	Input waste from TOP & Output Compost from Front SIDE	Input waste from TOP & Output Compost from Front SIDE	Input waste from TOP & Output Compost from Front SIDE	Input waste from TOP & Output Compost from Front SIDE	Input waste from TOP & Output Compost from Front SIDE

NOTE : Organic Waste Composter Machine : Composting Capacity Range available From 25 kg/day to 2000 Kg/day in SS body. On Customer demand we can supply OWC Machine completely made up of MS with Powder Coated and rate will reduce in comparison to SS body.