FABTECH

Gearing up the global trendz in Sanitization / Waste Solutions

INTRODUCTION

"Customer satisfaction is our motto"

Fabtech Engineering was established in the year 1990 in Delhi. The company has grown by leaps and bounds in the industry. Owing to his hard work, the company is today known as a dynamic Manufacturer and Wholesale Supplier of Sanitry/Napkin/ Document Incinerator, Marine Incinerators/Shipboard Incinerator, Incinerator with Eductor System, Water Softening Plant, Automatic Soap & Hand Sanitizer Dispenser, Stainless Steel Sanitizer Chamber, ETP & STP etc...

FABTECH

Gearing up the global trendz in Sanitization / Waste Solutions

SANITRY / NAPKIN / DOCUMENT INCINERATOR

CAPACITY 5-50KG/HR

FUEL: LDO/HSD/GAS AND OTHERS
POWER : 220V OR 415VOLTS THREE PHASE SUPPLY
LOADING : MANUAL AND AUTOMATIC

- Incinerator meant for instant and simple disposal.
- Economically priced incinerator
- Mobile type

Meant for instant and simple disposal, instantly ready to use incinerator for mobile use to dispose Quickly food waste, garbage, small dead animals and poultry waste, Being a small size, simple unit, it can be mounted on any trailer, transport and taken to any desired location.

A single burner is provided for both waste and flue gas resulting in clean emission. Optional after burner can
also be provided. This model is economical in terms of initial investment and in operational costs. This incinerator is provided with a counter balanced door convenient for opening and closing and easy loading of waste into the chamber directly from the top.

It can be used at Apartment's, food and confectionary, hostel, small poultry industries and small units this incinerator can handle animal or slaughter house waste, confidential documents, food waste, sanitary napkins, municipal garbage waste products

MARINE INCINERATORS / SHIPBOARD INCINERATOR

Efficient & Environment friendly - 99.9% destruction and removal efficiency of organic content with clean emissions, saves marine life, Saves labour and space, Saves loading of solid waste.

Compact **triple chamber design** to fit in standard shipping containers, simultaneous burning of solid and liquid waste, re-circulation pump with self-cleaning filter for sludge tank, variable speed sludge dosing, PLC control with HMI, Special surface preparation and marine grade painting, special refractory for long life, fully automatic operation, high temperature inside and low skin temperature.

This Incinerator was designed and made primarily for use on board ships of various types. Until now the shipping industry as well as the Indian Navy and coast guard have been buying these incinerator.

This incinerator will **handle solid, solid-liquid and liquid sludge waste all together**, it is provided with an **air locked double door for solid waste and fully automatic.**

This machine can handle **general waste, food waste, packing waste, waste oil from generator, heavy oil sludge from tank cleaning operation.**

FABTECH INCINERATOR WITH EDUCTOR SYSTEM

First Chamber

The waste is charged in first chamber through a feeding door. The incineration of waste is carried out in starved air, known as “Pyrolytic condition”. Subsequently the waste is decomposed into gas containing combustibles and cabonaceous material. The low velocity of gas also helps in minimising carryover of the particulate matter. The temperature is closely controlled between 800^{0}C to 900^{0}C with the help of a burner to ensure efficient combustion of carbon. Sterile ash is removed from the de-ashing door.

Second Chamber

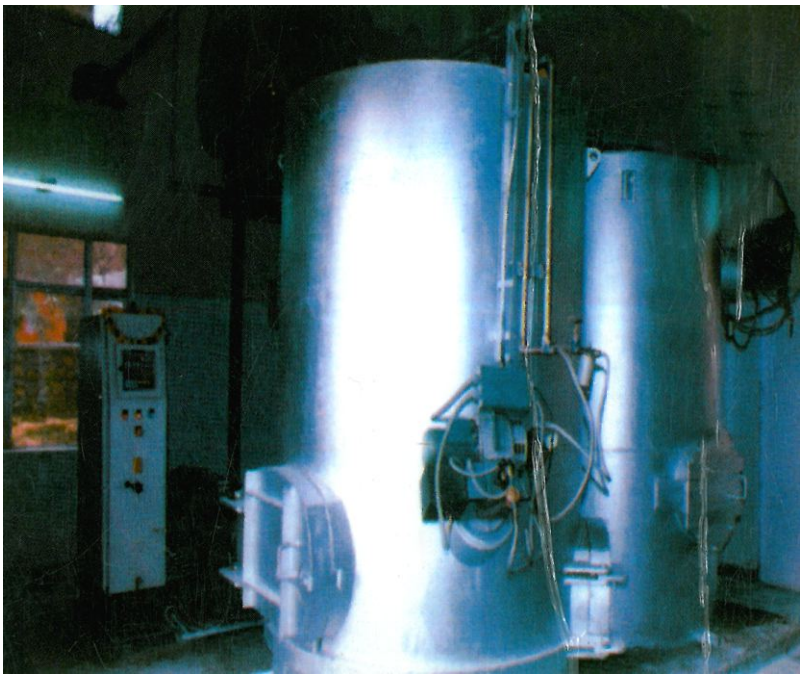
The flue gas from the First Chamber containing volatiles and unburnt pass to the second chamber. Here it is burnt under turbulent conditions and with an additional supply of combustion air. Complete oxidation is ensured by maintaining temperature above 1000^{0}C with the help of a burner and providing adequate Residence time (minimum 1 second).

Venturi Scrubbing System

The flue from the second chamber then passes through the downstream Air pollution Control System. This system comprises of venturi scrubber, droplet separator followed by an induced draft (ID fan), all made of corrosion resistant material.

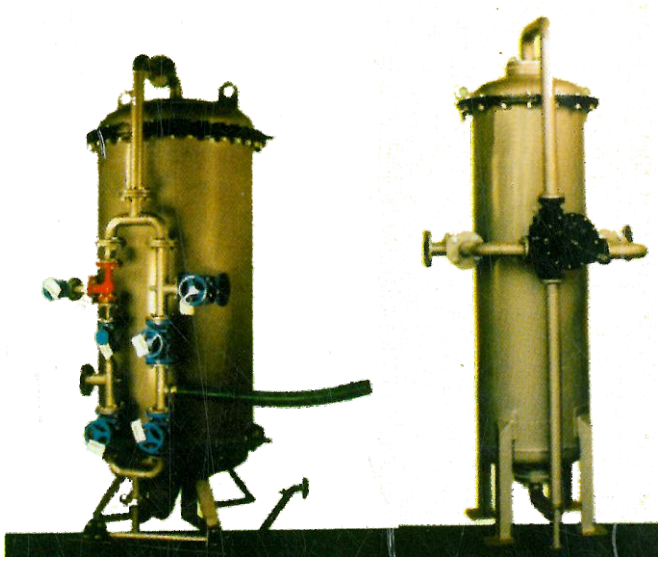
The flue gas from the second chamber is cooled to 850^{0}C and then sent to Venturi scrubber. Here, the acidic component are removed by absorption with caustic and the particulates by the inertial impaction energy. A high pressure drops across the venturi scrubber imparts sufficient energy which helps in atomizing the scrubbing liquid and thus trapping even the minute particulates.

In case of Incinerator with Eductor System, the flue gas coming out of second chamber above 1000^{0}C enters the Eductor Mechanism which bring down the temperature of flue gas to 250-300^{0}C by mixing in the appropriate quantity of ambient air. It also maintains the entire system under negative pressure, thus ensuring safety operations.



Incinerator are used to treat waste from :
Hospitals, Pharmaceutical Industry, Hotels & R & D Centres

FABTECH WATER SOFTENING PLANT



The raw water passes through a bed filled with small polystyrene beads known as ion exchange resins where sodium ions are exchanged for harness forming ions Once the beads are saturated with calcium and magnesium, the unit enters a regenerating cycle.

The sodium collects on the beads, replacing the calcium and magnesium. Once the phse is over, the mineral tank is flushed of excess brine and brine tank is refilled.

AUTOMATIC SOAP & HAND SANITIZER DISPENSER

Compact Design
Suitable for
Small Places

Liquid Soap of
Hand Sanitiser Automatic Dispenser
Multi Purpose User

Easy Refill
600 ml Tank Capacity
1 ml Dispersion

4 × AA
Batteries

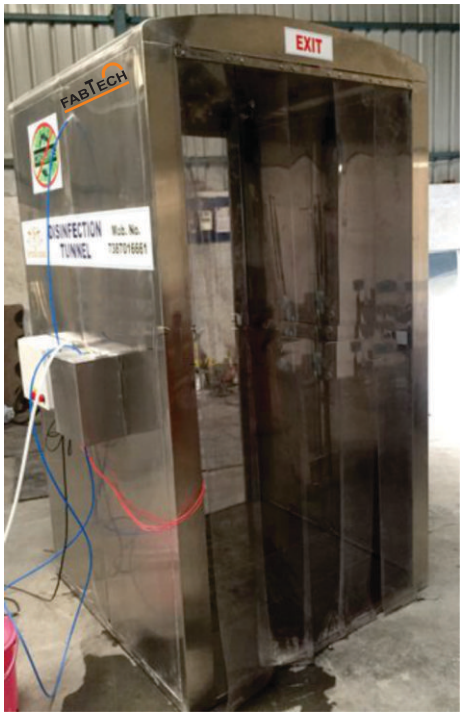
Works without
Electricity

Dispenser
Outlet

Sensor

On / Off
Button

FABTECH STAINLESS STEEL SANITIZER CHAMBER



Product Description

Providing you the best range of disinfection and sanitation tunnel, covid-19 through walk sanitation spraying tunnel and stainless steel sanitation spraying chamber –covid-19 with effective & timely delivery.

CO-WiN Disinfection tunnel are used where large nos of people are gathered like Market, Mall, Stations, Hospitals, Industries, schools, colleges, airports, stations, Corporate office, warehouses, factory premises, offices & residential societies

FABTECH EFFLUENT TREATMENT PLANT
&
FABTECH SEWAGE TREATMENT PLANT

We Design, Manufacture, Supply, Erection and Commissioning Effluent Treatment Plant (ETP) on Turnkey basis for various types and natures of wasteWaters, effluents which combines advanced physico-chemical treatment processes with tertiary polishing system for the removal of organic, inorganic, oil and grease, heavy metals & suspended solids.

Our methodology - We analyze the effluent samples for different effluent parameters as per nature and compositions, carry out the treatability studies by using different methods checking techno-commercial Feasibility and then designed treatment schemes, processes accordingly to suit the purpose and need.

Our ETP systems are very compact, tailor made designs, portable required very less foot-print to accommodate, energy efficient. The up-gradation, modification in the existing ETP system is possible to achieve desired limiting standard laid down by the Pollution Control Board (PCB).

ETP Containerised Type

Capacity : 25 – 150 KLD, As per client Requirement
Tecnology : Physical / Chemical / Biological / UlFiltration
Features :

Semi-automatic Operation.

Required less space as compared to conventional design.
Very Compact and Great aesthetic.
Reduced Installation and commissioning time on site.
Plug and play operation.
Easy Dismantling and transportation.
Made to order product.
Civil Work – Collection Tank and Container Foundation.
Typical Industries : Chemical, Pharmaceuticals, Automobiles, etc.

ETP - Continuous Type

Capacity : 15 to 1000 KLD, As per client Requirement
Treatment : Physical / Chemical / Filtration
Features :

Semi-automatic Operation.

MS process tanks with internal FRP Coating
Automatic chemical dosing with online pH monitoring.
Advanced Filtration systems like UF, RO for Zero liquid discharge.
Advanced sludge handling system.
Compact design ,required low foot print
Better treated effluent quality as compare to conventional system.
Corrosion free UPVC piping & FRP / Epoxy Lined MS tanks.
Process Tanks – MS Fabricated / Civil (RCC)
Typical Industries : Automobile, Metal pre-treatment, Pharmaceuticals, Chemical, etc.

ETP-Continuous-type-2

CETP Chemical, Biological Type

This type is called combined Effluent Treatment plant – either batch or continuous type. The chemically treated effluent will lead to biological treatment for the removal of organic matter and to control the TDS values.
Capacity : 25 to 1000 KLD, As per client Requirement. Treatment : Physical / Chemical / Biological / Filtration Features :

Semi-automatic Operation.

MS process tanks with internal FRP Coating
Automatic chemical dosing with online pH monitoring.
Advanced Filtration systems like UF, RO for Zero liquid discharge.
Advanced sludge handling system.
Compact design ,required low foot print
Better treated effluent quality as compare to conventional system.
Corrosion free UPVC piping & FRP/Epoxy Lined MS tanks.
Process Tanks – MS Fabricated / Civil (RCC)
Typical Industries : Pharmaceuticals, Chemical, Paint, Textile, Sugar

Features of FABTECH ecoCOMPOSTER

1. Automatic: PLC controlled, fully automatic. No Skilled labour required.
2. Size: Compact in Size, Less Space required.
3. Processes all kinds of Organic Waste: Food Waste, Garden Waste, Poultry Waste, Meat Waste
4. Completely Natural Process with the help of Microorganisms
5. Noiseless and Odourless

6. High Quality Parts: Stainless Steel Tank and Other Contact Parts, Exterior MS Structure with Powder Coating anti-corrosive.
7. 3 R Principle: Reduce, Reuse and Recycle
8. Safety Features: Mixing Blades stops when door is opened, overload function, HMI for process information.
9. Saves Environment: Reduces harmful Green House Gases, Leachate formation

How ecoCOMPOSTER Work

Model	Capacity	Compositing System	Input	Output	Heating System	Composite removal	Dimension
FE/EC/30	30Kg/Day	24-48 Hrs Microorganism Based Composting	Segregated Organic Waste	Dry Organic Compost	SS Electrical Heater	After 48-60 hrs	4.8 x 2.4 x 3.6 Ft.
FE/EC/75	75Kg/Day	24-48 Hrs Microorganism Based Composting	Segregated Organic Waste	Dry Organic Compost	SS Electrical Heater	After 48-60 hrs	6.21 x 3.0 x 4.43 Ft.
FE/EC/250	250Kg/Day	24-48 Hrs Microorganism Based Composting	Segregated Organic Waste	Dry Organic Compost	SS Electrical Heater	After 48-60 hrs	8.53 x 4.46 x 6.12 Ft.

FABTECH

Gearing up the global trendz in Sanitization / Waste Solutions

Specialised in Turn Key Projects

Assessment : Carry out a professional free of charge survey resulting productivity plus substantial savings.

Project Planning : Backed by state of art technology and manufacturing facilities, solutions for your requirements.

Installation : Responsibility for complete operation and installation with minimum interruption to your production.

Commissioning : Our Personnel commission the equipment and ensure that you are completely satisfied with the equality of product.

Training : We offer comprehensive training programme for your operators with latest technology to obtain the maximum result.

Service : Our Customer service with engineers strategically located throughout India. Service will be provided in shortest possible time.

FABTECH ENGINEERING

Mfg. & General Suppliers

Medical & Bio Equipments

Head Office : C-1/43, Budh Vihar, Phase - I, New Delhi - 110 041
Phones : 27534376, 273118370 Fax : 27314453
Mobile : 9871114120, 9999647435, 8178630256, 0178630256

Chandigarh Office : 2068, Sector -28C, Chandigarh
Phone : 5077016, 7888856671

Mumbai Office : 8th Floor, Ganga Madha Flat, Pawai Vihar, Mumbai
Phone : 022-25708104

Port Blair Office : (Near) Municipal Community Hall, Anarakali, Haddo (PO),
Port Blair - 744102 A & N Island
Mob : 9476083221, 9933223011

Email : fabtecheng@live.com, naresh.fabtech@outlook.com | **Web : www.fabtechengineering.in**