GREEN INCINERATORS

Quality Incinerators Manufacturer

Waste Incinerator 50 Kgs/Hr

Model: Ecogreen-50

We Are a Factory

Green Incinerators Brand.

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Applications Scope

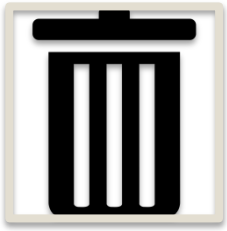
General Medical Waste In Hospitals & Medical Facilities

General Hazardous Waste & Bio-Waste

General Industrial & Solid Waste In Factories & Construction Sites

Dead Animals & Animal Cremation

Household Waste, Domestic & General Wastes



General Waste, Municipal, Solid & City Wastes

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Ecogreen-50 Waste Incinerator

50 kgs per hour

Features & Description

Description

- Ecogreen-50 incinerator is latest design for waste treatment; include medical waste, animal and pet cremation, industrial and solid waste, Hotels waste, Slaughterhouse and fields waste, general waste, in Disaster Relief Operations, Remote areas waste, etc.
- Ecogreen-50 is quality structural for all kind of sites, like hospital, factories, environmental department, animal cremation agencies, etc.
- Ecogreen-50 contains dual combustion chamber, mix-combustion chamber, smoke filter chamber with refractory lines, and effective high combustion chamber temperature up to 1200˚C which consider as a high and effective burn rate.
- Ecogreen-50 uses Gasified pyrolysis burning technology which use to treat and burn various kinds of waste typically generated in hospitals, factories, etc.
- Ecogreen-50 adopts big furnace gates which is easy and practical to deal with all kind of waste.
- Ecogreen-50 uses quality optional 304 stainless steel chimney which make it stable and heavy duty
- With primary combustion chamber, mix combustion chamber and secondary combustion chamber all waste burned with high efficiency rate.
- With built-in high technology smoke filter particulates and /or gases will be removed from emitted gases
- In addition an optional Water spraying system can be added to reduce the smoke emission in high and effective rate.
- High effective burn rate ensured by using high quality CE certified oil or gas burners.

Main Features

- Ecogreen-50 has 3 chambers : primary combustion chamber, mix combustion chamber and secondary combustion chamber
- Ecogreen-50 has chamber for Dry Scrubbers (smoke filter) which is of high technology air pollution control devices that can be used to remove some particulates and/or gases from our incinerators
- Water spraying system can be added and installed with Ecogreen-50. The term Water spraying system describes a variety of devices that remove and clean mainly dust and pollutants from a furnace flue gas or from other gas streams. In a Water spraying system, the polluted gas stream is brought into contact with the scrubbing liquid, by spraying it with the liquid, by forcing it through a pool of liquid, or by some other contact method, so as to remove the pollutants. The smoke emission will be reduced significantly when using the Water spraying system
- Gasified incineration, mixed incineration and burnout treatment ensures low emission standard of dust, dioxin and harm gases, in addition Ecogreen-50 use dry and Water spraying system which reduce the smoke emission significantly
- Totally enclosed operation is suitable for treating infectious waste to avoid secondary pollution.
- Chimney (Stack) which used in Ecogreen-50 made of stainless steel (option) material which make it heavy duty and lead it to prolong life
- Ecogreen-50 incinerator can be operated by Oil or Gas which fit and suit all customer needs and requirements
- Ecogreen-50 used latest technology and high quality European CE certified burners which cause high effective and high burn rate
- Ecogreen-50 characterized by compact structure that can be installed in small land area.

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Innovation & Technology

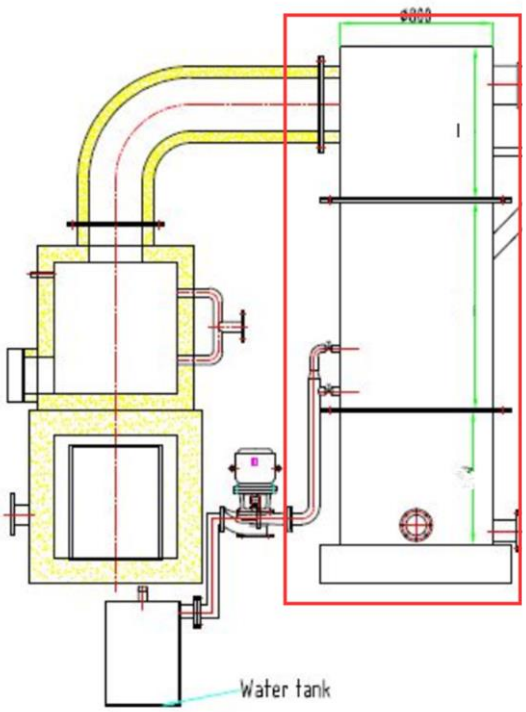
We understand the importance of technology very well. We aim to adapt the ultimate in technology to fit your requirements perfectly. We ensure that these changes empower you to enjoy the added value in products & services, faster and cost effectively.**Some of our technologically innovative in our Green Incinerators include**

Dry Scrubber (Smoke Removal)

- Dry Scrubbers are a diverse group of high technology air pollution control devices that can be used to remove some particulates and/or gases from industrial or medical exhaust streams
- Dry Scrubber use adsorption to minimize and/or remove sulfur dioxide (SO2), hydrochloric acid (HCI), hydrogen fluoride (HF), and other acidic gaseous pollutants from gas stream

Water Spray System (Optional)

- The term water spray system describes a variety of devices that remove and clean mainly dust and pollutants from a furnace flue gas or from other gas streams. In a Water spraying system, the polluted gas stream is brought into contact with the scrubbing liquid, by spraying it with the liquid, by forcing it through a pool of liquid, or by some other contact method, so as to remove the pollutants. The smoke emission will be reduced significantly when using the water spraying system



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Ecogreen-50 Waste Incinerator

50 kgs per hour

Mix Combustion Chambe

- In addition to having two main combustion chambers (primary combustion chamber) and (secondary combustion chamber), our green incinerators have also (Mix combustion chamber) which is bigger to make sure long residency time in secondary combustion chamber, ensure full combustion, kill the virus and remove black smoke

PLC Control Panel

- Unlike most other Chinese suppliers Our green incinerators brand uses quality control panel parts from Europe which is high quality, durable, easy for installation and operation.
- In addition an optional European Touch control panel with LCD screen with LED to view and show different parameters such as temperature, burners, fan, etc

Burners

- Our incinerators are easy to use and start-up and excellent performance ratio burners.
- The latest technology and high quality European CE certified burners used in our incinerators which cause high effective and high burn rate

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50 kgs per hour

Specification

Technical Specification

- Burning Rate: Up to 50 Kgs per hour
- First Burner Device: 0.11 kw / Oil consumption: 4-8kg/h approx (MADE IN ITALY)
- Second Burner Device: 0.11kw / Oil consumption: 4-10kg/h approx (MADE IN ITALY)
- Voltage: customized
- Fuel: Diesel oil or optional Natural Gas
- Feed Mode: Manual
- Burning Chamber materials: Firebrick, Refractory Concrete
- Chimney External Diameter (mm): 280 approx.
- Air Blower: 0.37 Kw
- External Incinerator Size: 1.8*1.15*3 meter (main body)
- Imputing Mouth Width (mm): 620*800 approx.
- Gross Weight: 4,000 Kgs approx..
- Solid Chamber Temperature: 850C – 900C approx
- Gas Chamber Temperature: 850C – 1200C approx
- Residency Time: ≥2s
- Chimney length: 6m (can be customized also based on requirement)
- Option: water spraying system to reduce the gas emission standard
- Option: 304 grade Stainless Steel Chimney

**Slightly changes in the above specification are possible while manufacturing*

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