



"YF-Series Incinerator"

Our YF-Series Incinerator is the Definitive Solution for Efficiency and Sustainability in Waste Management;

Our YF-Series Incinerator plays a critical role in modern waste management. Our incinerator ensures the safe, efficient and environmentally friendly disposal of waste. Operating at high temperature, our municipal waste incinerator neutralizes harmful microorganisms and toxic substances. In addition, optional automatic loading and ash unloading systems increase efficiency while ensuring operator safety and cost savings. Energy recovery turns waste into a valuable source of energy. Our incinerator is an indispensable solution for a sustainable environment and waste management. At MT, we aim to provide the highest efficiency and environmental protection standards in your waste management by offering incinerator solutions tailored to your needs. Our

innovative systems will continue to play a critical role for a cleaner and sustainable environment in the future.

Our incinerators are available in various capacities and specifications. High operating temperatures ranging between 800-1200°C ensure complete combustion of municipal waste. Complete combustion is ensured with a minimum gas retention time of 2 seconds. A more efficient combustion process is realized with a double combustion chamber (primary and secondary). Stainless steel chimney provides durability and long life. Can run on natural gas or fuel oil. Dual fuel operation can also be preferred. Garbage can be loaded with manual or fully automatic feeding system. Reliable burner brands such as Ecoflam, Riello are used in our incinerator. Different burner brands can be used according to customer preference.

Advantages of YF-Series Municipal Waste Incinerator;

Prompt and efficient disposal of municipal waste reduces the risk of disease spread and protects public health. Safe handling of waste is important for worker health and safety. Our modern YF-Series Incinerator offers high standards in this regard. Volume reduction and energy recovery reduce waste management costs. The ashes from combustion can be used as construction material or utilized in other industrial applications.



Combustion Control System

Provides air supply and temperature control to optimize the combustion process. Primary and secondary air supply systems are available.

Safe Disposal

Complete incineration of municipal waste at high temperatures ensures the destruction of harmful microorganisms and toxic substances.

Environmentally Friendly

With advanced gas cleaning systems, emissions are kept to a minimum and the environment is not harmed.

High Efficiency

The highly efficient incineration process ensures fast and efficient disposal of waste.

Amount of Waste Reduced

Leaves less end product than other methods. There is no possibility of contamination of the final product and no risk of viruses or bacteria in the flue gas.

Durability and Longevity

They are manufactured using materials that are resistant to high temperatures and have a long service life. This ensures reliable operation of the ovens for a long time.

Health and Environmental Safety

Safe disposal of hazardous waste minimizes environmental and health risks.

Technical Specifications

MODEL	CAPACITY (KG/S)	CHIMNEY WASHING	BRUULDER
YF-100C	100	+	ECOFLAM-RIELLO
YF-150C	150	+	ECOFLAM-RIELLO
YF-200C	200	+	ECOFLAM-RIELLO
YF-300C	300	+	ECOFLAM-RIELLO
YF-500C	500	+	ECOFLAM-RIELLO
YF-1000C	1000	+	ECOFLAM-RIELLO



Performance and Efficiency of YF-Series Incinerator;

Gas Retention Time

Full combustion is ensured with a minimum gas hold time of 2 seconds.

Combustion Chambers

A more efficient combustion process is realized with a double combustion chamber (primary and secondary).

Safe Disposal

The complete incineration of animals at high temperatures ensures the destruction of harmful microorganisms and toxic substances.

Environmentally Friendly

Thanks to the second combustion chamber, emissions are kept to a minimum and the environment is not harmed.

Chimney Washing Systems;

Our YF-Series Incinerator plays an important role in the safe disposal of municipal waste. However, when our incinerator burns waste at high temperatures, harmful gases and particulates are released. These emissions can pose serious threats to the environment and

human health. Therefore, the use of chimney scrubber systems in our incinerator is critical for environmental and health safety. Our chimney washing systems are the systems that purify the gases coming out of the incinerators. They minimize emissions to the environment by filtering harmful gases and particles generated during the incineration process. Chemically neutralize acidic gases (e.g. sulfur dioxide and hydrogen chloride). Reduces particle density in the atmosphere by capturing fine particles that can cause air pollution. Energy efficiency can be increased by optionally recovering heat from flue gases.

Wet Scrubbing Systems: Gases are brought into contact with a liquid washing solution. During this contact, harmful substances in the gases are dissolved in the solution and removed. High efficiency provides a wide range of gas and particle treatment.

Dry Scrubbing Systems: Gases are brought into contact with a solid adsorbent (e.g. activated carbon). During this contact, harmful substances are retained by the adsorbent. The advantages are lower water consumption, low maintenance and operating costs.

Semi-Dry Wash Systems: Gases are brought into contact with both liquid and solid treatment media. This method is a combination of wet and dry scrubbing systems.



YF-Series Incinerator Application Areas and Waste Types;

Our YF-Series Incinerator has the capacity to process a wide range of waste types. This flexibility provides significant advantages in waste management and allows various sectors to efficiently dispose of their waste. At MT, we offer incinerators that can process many different types of waste such as municipal waste, commercial waste, industrial sludge, wastewater treatment sludge, industrial waste, demolition waste and many more. Our incinerator reduces the volume of waste while recovering energy and keeping environmental protection standards at the highest level.

Automatic Loading;

Our automatic loading systems ensure a continuous supply of municipal waste to the incinerator. This guarantees uninterrupted operation of the incinerator and maximum efficient combustion. The municipal waste is distributed homogeneously inside the incinerator. This ensures that the combustion process is more efficient and that all waste burns evenly. Provides a safe working environment by reducing direct contact of operators with municipal waste during manual feeding. Our automated loading systems minimize the risk of operator exposure to hazardous waste. Manual feeding processes can be time consuming and labor intensive. Our automated loading systems speed up these processes, saving labor and allowing operators to attend to other important tasks.

Automatic Ash Discharge;

Our incinerator safely and efficiently processes municipal waste, resulting in a large amount of ash. Regular and safe ash discharge is critical to the efficient operation of the incinerator and operator safety. Our automated ash discharge systems automate this process, improving efficiency and safety.

OPTIONAL FEATURES

- Pre-shredding Machine
- Heat Recovery System
- Automatic Loading
- Automatic Ash Discharge
- Wet Chimney Flushing System
- Dry Chimney Washing System
- Semi-Dry Chimney Flushing System
- Gas Filtration System
- Emission Monitoring System
- Production in Different Capacities
- Different Brand Burners



FREQUENTLY ASKED QUESTIONS (FAQ)

WHAT IS AN INCINERATOR?

An incinerator is a plant that burns solid waste at high temperatures to reduce its volume and destroy harmful components. The heat released during the combustion process can be used to generate energy.

HOW DOES THE INCINERATOR WORK?

Incinerators burn waste at high temperatures, converting organic compounds into gases. The gases generated in this process are fully combusted in a second combustion chamber and the emissions are cleaned by filtration systems.

WHICH WASTES CAN BE BURNED IN INCINERATORS?

Household waste, industrial waste, medical waste and some hazardous waste can be incinerated in incinerators. However, the types of waste that can be accepted may vary depending on the design of the incinerator and local regulations.

WHAT ARE THE ENVIRONMENTAL IMPACTS OF INCINERATORS?

When operated correctly and using advanced emission control technologies, incinerators can minimize their environmental impact. However, inadequate emission control can lead to air pollution and health risks.

HOW MUCH ENERGY CAN INCINERATORS PRODUCE?

The energy production capacity of incinerators depends on the amount of waste burned and the calorific value of the waste. Optionally, both electricity and heat energy can be produced.

WHAT ARE THE PERMITS AND REGULATIONS FOR INCINERATORS?

Incinerators are strictly regulated in terms of environmental protection and public health. Necessary permits must be obtained and emission limits must be respected.

ARE INCINERATORS SAFE?

Modern incinerators are equipped with advanced technology and safety systems. However, it is important that they are operated safely and regularly maintained.

HOW LONG DOES IT TAKE TO INSTALL AN INCINERATOR?

Incinerator installation can take anywhere from a few months to several years, depending on the size and scope of the project.

HOW TO MAINTAIN INCINERATORS?

Regular maintenance of incinerators includes changing filters, cleaning the combustion chamber and performing general system checks. This ensures that the incinerator operates efficiently and safely.

WHAT IS THE COST OF INCINERATORS?

The cost of incinerators varies depending on capacity, technology, local regulations and other factors. Although they often have high initial costs, in the long term they offer the advantages of energy generation and waste reduction.

HOW TO RECOVER ENERGY IN INCINERATORS?

Incinerators convert the heat released in the combustion process into energy. This energy can be used to generate electricity through steam turbines or directly as heat energy.

ARE INCINERATORS ENVIRONMENTALLY FRIENDLY?

If the right emission control systems and filtration technologies are used, incinerators can be an environmentally friendly solution. Emissions are kept to a minimum and waste is disposed of safely.

WHAT TECHNOLOGIES ARE USED IN INCINERATORS?

Incinerators often use advanced technologies such as double combustion chambers, gas retention periods, chimney washing systems, emission monitoring systems and automatic loading/unloading systems.