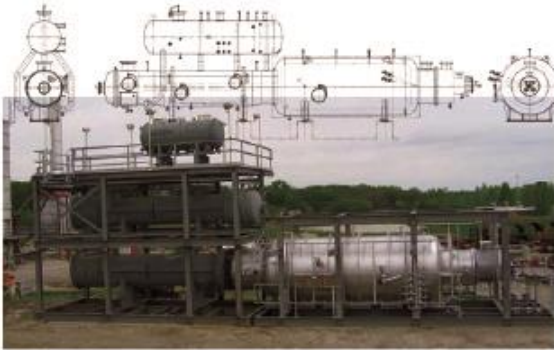


E - 04 – INCINERATOR



Taravosh Jam Co. is a Manufacturer in Iran & Middle East for the design and fabrication of the Incinerator. Gas incinerators are used to burn hazardous waste gases completely. It could be replaced by a flare system to burn the flare gas completely. The Incinerator has the capability to join the HRSG (Heat Recovery Steam Generator) to produce steam up to 20 bars. The following are types waste for incinerators:

- Gas Waste
- Liquid Waste
- Solid Waste

implementation of Incineration:

- Municipal Incinerators
- Industrial waste incineration
- Medical Waste
- Pyrolysis /Thermal Gasification

Advantage:

- High combustion efficiency
- Low emission
- Produce steam up to 20 bar.
- Reduce fuel cost vs. steam generation
- Complete combustion and lower emission

Major Components of Incineration:

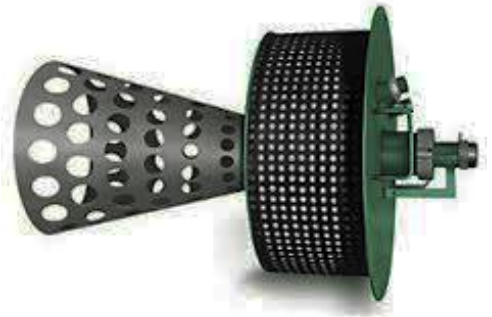
- Waste receipt and handling installation
- A combustion system
- Heat recovery system (boiler)
- Air pollution control system
- Combustion solid residue handling system

Applications:

- Desalting units
- Gas refineries
- Tail gas unit treatment
- Oil refineries
- Petrochemical plants
- Flare recovery system



E - 04 – INCINERATOR



Incinerator or waste furnace

The technology of burning garbage and turning it into ash is an environmental solution that brings many benefits. Burning waste reduces its volume for final disposal. It also destroys toxic and pathogenic compounds in the garbage. Garbage to energy is a form of energy recovery. Most waste generation processes are energy or heat directly by combustion or the production of a combustible product, such as methanol or synthetic fuel.

Waste Management

Modern waste incineration may release very small amounts of fine particles, heavy metals, dioxins, and acid gases. Proper management of dangerous residual toxins should be adequately used when installing and disposing of waste incinerators. More than 70% of the waste is recycled in European countries. Trash can generate electrical efficiency of between 14% and 28%.

Incinerator furnace

Due to the high-temperature utilization in this waste incinerator, the formation of dioxin and Furan in the exhaust gases is prevented. To make good use of this high temperature's potential energy, the waste incinerator is equipped with a HRSG boiler, which uses the HRSG boiler to benefit the design.

The waste incinerator can be equipped with a filter that uses active carbon chemicals and sodium bicarbonate to absorb the hydrocarbon and acidic materials from the exhaust flue gases. The exhaust flue gases have an online analyzer. It measures the polluting parameters that the design follows European standards to control the amount of pollutants in the exhaust flue gases.

