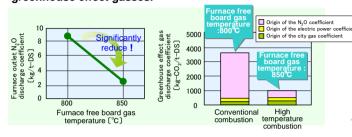
Fluidized Bed Incineration System



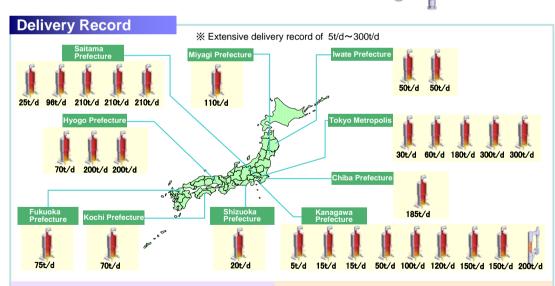
MITSUBISHI Fluidized Bed Type Sewage Sludge Incinerator Technical Features

Realization of perfect control for environmental pollution and optimized combustion based on the rich experiences and advanced technologies of MITSUBISHI as the top manufacturer of the sewage sludge incineration field.

Contributions to global environmental conservation using Low N₂O, high-temperature combustion for the reduction of greenhouse effect gasses.



Provision of Plant Design for Automatic Operation Control, **Maintenance Management Works and Plant Maintenance** Service.







/ 300 t/d

Medium & Small Scale Sewage Sludge Incineration Plants

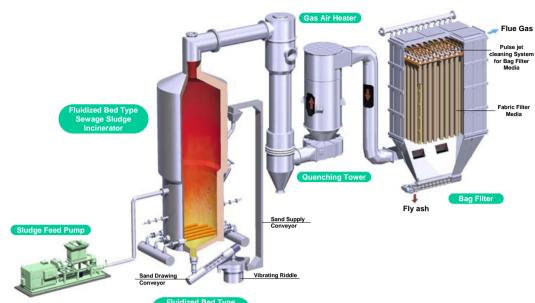


System Flow

Start up burner

Sand burner

Air distribution piping



Sludge Feed Pump

- Maintain the clean condition at sewage sludge cake transfer area using the piping. Prevention of the scattering of stench and sewage sludge cake.
- Easy daily maintenance works thanks to the high concentration of pump maintenance points.

Sewage Sludge

- Complete Combustion for dehydrated Sewage Sludge at the high gas temperature of 850°C.
- Enables mixed combustion of screening and grits through the easy extraction of un-combustible materials using the air distribution piping.

Gas Air Heater

Combustion air temperature heated to 650°C using the combustion flue gas to reduce the auxiliary fuel consumption.

Gas Absorber

Removal of SOx & HCl using the sodium hydroxide.

Bag Filter

Highly efficient dust removal performance in the flue gas.

> Quenching Tower Flue gas temperature cooler to suitable bag filter inlet temperature

Optional Equipment

White Plume Prevention System System

 Bag Filter Flue Gas -Plume-Prevention Air Heater ② Ceramic Filter

Prevention Fan

White plume from the stack can be removed in consideration of

Flue Gas Treatment

of screenings and grits through the easy extraction of uncombustible materials using the air distribution piping

Mix Combustion of Screening and Grit



Circulating Fluidized **Bed Sewage Sludge** Incinerator

■ Enables SOx and HCl removal from the combustion gas using the removal system inside the furnace by applying cheap limestone instead of expensive sodium hydroxide.

Reduces electricity consumption using the low pressure combustion blower.







Head office

15F YOKOHAMA BLUEAVENUE BLDG., 4-2 MINATOMIRAI 4-CHOME, NISHI-KU, YOKOHAMA 220-0012, Japan TEL:+81-45-227-1273 FAX:+81-45-227-1383

Our internet website : http://www.mhiec.co.jp/

* Feel free to contact us.

MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING CO., LTD. CONFIDENTIAL & PROPRIETARY INFORMATION

THE DUCULENT IS CONDIDETIAL AND PROPRIETARY TO A HINDERSH HEAVY NULSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING OLD THE "AME".) AND IS DELIVERED ON THE EXPRESS CONDITIONS THAT IT MAN YOU'RE DESCRIBED THE STATE OF THE WHOLE ON IN RANTOR USED FOR THE BENEFIT OF ANYONE OF HER THAN BAR WITHOUT MAKE PRIOR WRITTEN CONSENT, AND THAT NO OTHER RIGHT IS GRANTED TO DISCLOSE OR USE ANY INFORMATION CONTAINED IN ASID DOCUMENT EXCEPT AS SPECIFICALLY PROVIDED FOR BY MIX.
THIS DOCUMENT IS PROTECTED BY COPYRIGHT LAW, UNFAIR COMPETITION LAW, CIVIL LAW AND INTERNATIONAL TREATY PROVISIONS, AND ANY APPLICABLE LAWS OF JACAN AND THE COUNTRY IN WHICH IT IS BEING USED.