



Portable Medical Waste Incinerator

Compact and Portable
Environmentally safe
Easy to operate



Medical Waste Incinerator MD-1000

Special Features

- 1** Dioxin concentration in the flue gas is less than 5-ng/Nm^3 , low enough to clear the regulation, Air Pollution Control Law, one of the most stringent standards in the world. There are two important factors to achieve such low concentration of dioxin. One is to maintain the temperature inside the combustion chamber higher than 800°C and the other is to maintain the residence time of burning gas inside the combustion chamber more than two seconds.
- 2** Fuels are either one of Kerosene oil or Gas oil. In the circumstances of these oils are not obtainable, fire woods locally available and carbon neutral biomass can be used relatively inexpensive, which keeps the running cost low.
- 3** This incinerator employs a pre-heating system of combustion air by recovering heat from flue gas, which enables to maintain higher temperature inside the combustion chamber and to save fuel as well.
- 4** This incinerator is designed environment friendly and gives a very limited adverse impact to the environment, so it is most suitable for clinics or hospitals in mountainous areas or isolated islands to burn medical waste on site.
- 5** This incinerator weighs about 1,000 kilograms, relatively easy for transportation to the remote, isolated area.
- 6** Designed to be user-friendly, the incinerator can be operated by a few steps with control box. While in burning cycle, an operator is able to check current running status and conditions from the control box.
- 7** The specially designed hood is employed on the top of the chimney, which enables this incinerator to be operated in all weathers.



Solar Power System



Thanks to the solar power system, this incinerator can be operated even in the isolated area where regular power source such as electricity, oil, or gas is not obtainable.

Option

This incinerator can be operated in the area where it is hard to secure electric power because the solar powered draft fan is equipped to maintain high temperature inside the combustion chamber higher than 800°C .

Specifications

Main Unit	Burning Capacity:	25kg/day (8 hours) 5-batch operation per day Safety Box: 6 pieces of 5 liter box per batch
Waste Vessel	Materials:	Body: Mild Steel Chimney: Stainless Steel Insulation: Ceramic fiber blanket and caster
	Dimensions:	Body: 760W x 760D x 4,700H mm (including chimney)
	Weight:	Fire Gate: Approx. 470W x 470D (opening) Approx. 1,000kg (including waste vessel and chimney)
	Materials:	Stainless Steel
Air Pre-Heater	Volume:	100 liters (nominal)
	Materials:	Stainless Steel
	Heat recovery capacity:	Approx. 200°C
Draft Fan	Output:	0.1kW, Air 5m ³ /min
Solar Power System	Solar Panel 120W, Charge Controller, DC-AC Inverter, Batteries	



Medical Waste ONLY

User needs to select and mix wastes

Maximum = 5 kg



Dry Waste

Maximum = 3 kg



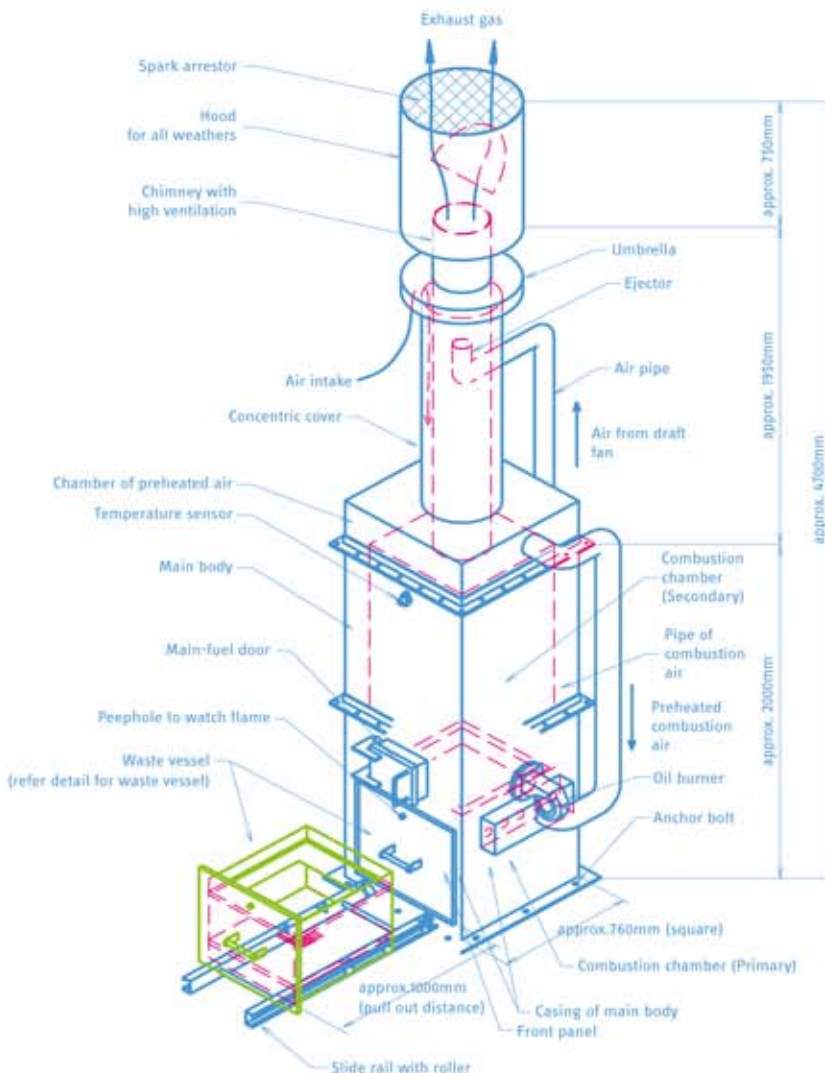
Medicine



Plastic



Wet Products



Operating Instruction

Before starting the operation, user must wear the following protective gears:



Protective Glass



Protective Gloves



Protective Shoes

