■ Specification of incinerator portion

Burning capacity	Mixed waste material : less than 45kg/h (Approximate 25waste bag) Waste plastic : less than 10kg/h (Approximate 5waste bag)	
Fire grate area	0.49m ²	
Exterior dimension	1,000W×1,800D×3,600H (mm)	
Waste inlet dimension	450×700 mm	
Electricity	1 phase AC100V	
Elec KW	0.8Kw	
Fuel	kerosene	
Fuel consumption	2~8L/h	
Weight	Approx. 2.4ton	
Material of burnable	General garbage, Raw garbage, Waste tire, Waste plastic, Wood	

Exhaust smoke component test results

Item	Japanese Environmental regulation value	CHIRIMESER
Dioxin density (ng-TEQ/Nm3)	5	0.11
Dust density (g/Nm3)	0.5	0.003
Sulfur oxide exhaust (Nm3/h)	2.5	0.000064
Nitrogen oxide density (ppm)	250	13
Hydrogen chloride density (mg/Nm3)	700	4.2

Specification of hot water supply portion

Output	100,000Kcal/h(Max)
Electricity	1 phase AC100V
KW rate	2Kw
Hot water supply	More than 1.5m ³
Weight	Approx. 1ton
Pressure	Heat exchanger primary of waste heat : Atmosphere pressure 2ndary : Exist hot water supply as rated
Component devices	 Waste heat recovery portion Waste heat boiler Heat recovery pump Heat recovery hot water tank Heat recovery control panel
	Heat recovery portionHeat exchangerHeat exchanger pumpHeat exchanger control panel
	Control device • Thermocouple thermometer • Level gage of electrode pole

- 1 phase electrical source with breaker is required.
- For control of burning control in burner housing, domestic water supply of ordinary pressure is required.
- Picture shown in this pamphlet may differ from the material of shipping
- Specification and indicated contents may be changed without advanced notice.

For safe usage of the equipment, please read the instruction catalog.

Research, development and design

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Small incinerator CHRIMESER & Hot water supply system by using exhaust heat

THERMAL CHIRIMESER

Minimize the density of Dioxin and smoke exhaust by application of the superior engineering. Extreme low pollution incinerator CHRIMESER & Hot water supply system by using exhaust heat.







Let contribute for area and earth environment along with cost reduction of the waste material and boiler fuel.

Thomas technical institute Co., Ltd.

Small incinerator CHIRIMESER & Hot water supply system by using exhaust heat THERMAL CHIRIMESER

Addition to the small incinerator CHIRIMESER which makes extreme minimize the pollution, hot water supply system utilizing exhaust heat emitted from incinerator.

This is the THERMAL CHIRIMESER.

Let contribute for improvement of environmental problem along with saving of the cost of waste disposal and fuel oil cost.

THERMAL CHIRIMESER is the thermal recycle system reuse the exhaust heat emitted from incinerator into hot water heating system.





THERMAL CHRIMESER awarded the Okinawa inventory chairman's award in 2013 in the division of patent and new invention.

Characteristic of small incinerator CHIRIMESER.

■ Incinerator of none smoke emitting

Small incinerator make complete burning of garbage by the high temperature. Furthermore prevent emitting of smoke using particular patented engineering. In case of high smoke emitting material as tire or large volume of garbage, automatic controller prevent from emitting of smoke.

Extreme low dioxin

Automatic controller control burning temperature and resolve the dioxin in temperature of 800° to 850°. Control the density of dioxin. Dioxin density is $0.1(ng - TEQ / Nm^3)$ against 5(ng-TEQ/Nm³) of Japanese law restriction which far less than law limitation.

Automatic control

Burning start automatically with pushing button when input the garbage and closing the opening door of incinerator. Input of garbage is indicated by 20 minutes with leaving of the burn. Adjustment of setting of the timer is capable.

Easy installation

Installation is OK by electrical single phase and regular domestic water pressure. Fuel use kerosene.

Patent certificate registered

Reuse of exhaust gas for hot water system

Supply hot water 60° of more than 1.5m³/hour

■ Use for bath system

It is good for hospital and aged care house which produce large amount of waste and require large volume hot water



■ Use for agricultural facility

Winter heating for vinyl house is Very useful.







Thomas technical institute Co., Ltd.