

## Not permitted

-It is not permitted to incinerate garbage with the incinerator which does not meet the criteria on the Waste Disposal Public Cleaning Law.

-In malicious case you fail to follow orders and instructions, on the law it is possible to apply to the punishment of not more than three years imprisonment with labor or a fine of not more than 3,000,000 yen.



Burning in the open-air



Burning in the open-air with a drum



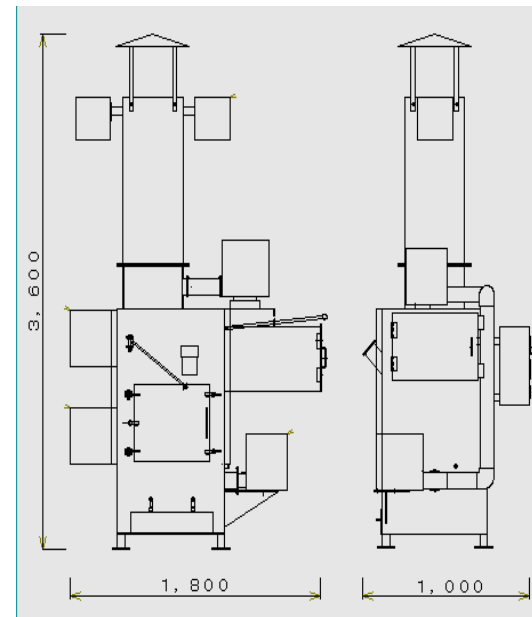
Burning in the open-air with any steel drum

1. It must be able to incinerating waste in the combustion gas above 800°C, and inside the incinerator must not have openings exposed to outdoor air, with the exception of an air intake opening and a tip of chimney.
2. It must be designed to ventilate quantity of the air necessary for the combustion.  
(It must be attached a chimney with a bore and a height enough to ventilate.)
3. It must be designed to be able to throwing in the fixed-quantity garbage one by one to a furnace which is blocked from outdoor air.  
(Except the case allowed being inevitable for the structure matters such as the facilities of the gasification)
4. It must be equipped with an apparatus to measure temperatures of the combustion gas in the combustion chamber.
5. It must be equipped with an auxiliary burner apparatus necessary to sustain a temperature of the combustion gas in the combustion chamber.

### 【Specification】

Model: TG-49, Combustion capacity: below 45kg/h for mixed garbage, below 10kg/h for plastics, Fire grate area: 0.49 m<sup>2</sup>, Form measurement: width 1,000×depth 1,800×height 3,600, Dust hopper measurement: 450×700, Power: AC 100V, Electric capacity: 0.8 kW, Fuel consumption: 2~8L/h, Weight: 2,400 kg, Combustibles: general garbage, kitchen garbage, tire, plastics, etc.

### 【Design】



### For the safe use

Please read the instructions carefully and use properly.

- The product in handling might be partly different from the picture used in this pamphlet.
- Specification and contents are subject to change without notice.

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# CHIRIMESER-TG49

Small-sized incinerator



Thomas Technical Research Institute Co., Ltd.

**Award in the field of patent/utility model  
in the 28th Okinawa Industry Festival**

## Small-sized incinerator **CHIRIMESER TG-49**

**Patent registration**  
Patent number : 4093468

### ○Controls automatically

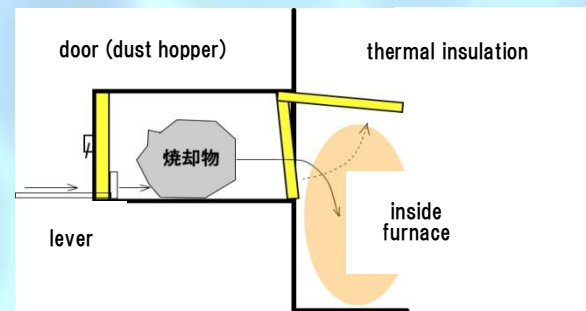
After throwing garbage in a dust hopper, TG-49 starts working by pressing a button. All stages for the incineration are controlled automatically.

### ○Indication light

Put the garbage in a dust hopper when the light indicates.

### ○Safe structure

A dust hopper has a double-door structure.



How to prepare before the operation

- Open the outside door (dust hopper).
- Throw garbage in the dust hopper, and close the outside door.
- Push a bar to drop the garbage into the furnace.
- Close the inside door (thermal insulation door).

### ○User-friendly operation

- Throw garbage in a dust hopper.
- Press a start button.
- Throw the additional garbage in when the indication light turns on.
- Leave TG-49 for 20 minutes after the light indicates. It shifts to the next stage the operation stops. ※1
- Finish.

### Smokeless incineration

It does not put out smoke even in incineration of a tire.

### Lower dioxin concentrations

It controls a combustion temperature. Dioxins cracking at very high temperatures

Permission and Notification  
for installation not necessary ※2

Power supply / single-phase 100V  
(single-phase 100V・20A) ※3

Kerosene for fuel

### Water

It is used to control combustion inside the furnace. ※4

※1 The time to shift to the process of finish is set in 20 minutes. It is possible to customize according to working situation.

※2 Business establishments with permission of industrial waste collection business, specially controlled industrial waste collection business, industrial waste disposal business, final disposal business for industrial waste, specially controlled industrial waste disposal business, final disposal business for specially controlled industrial waste, **need to confirm** for the use to the public health center.

※3 Needs general water supply with water pressure

※4 Needs a separate power supply (breaker)

### Combustion controlled by a computer system

We can input a customized program for the combustion. TG-49 can demonstrate a maximum working efficiency in a lower cost.

