

Waste Incinerator



1. Description:

- WFS Series Incinerator is a kind of machine that was developed on the basis of Japanese technology, absorbs advantages of similar equipment both at home and abroad. It features unique and advanced merits with compact size, high burning effect, reasonable burning technology, high degree of non-harm etc. It is an ideal choice for waste treatment of hospitals, hotels and various areas.

3. Main Features:

- (1) Totally enclosed operation to avoid secondary pollution to the environment.
- (2) Dual combustion chambers to ensure the efficient burning for the waste.
- (3) High temperature up to 1300°C to achieve the effect of sterilization and disinfection for gas.
- (4) Diesel/LPG/natural gas fuel all are optional to meet different requirements from customers.
- (5) Multiple applications, suitable for different kinds of solid waste treatment.
- (6) Compact structure and small land occupation.
- (7) Smokeless & odorless.

4. Technical Data:

Model	WFS-50	
Capacity	30~50kg/load	
Ash residue	<5%	
Waste Inlet Size	620*800mm	
Volume of Incinerator	1 st burning room: 0.5m ³ ; 2 nd burning room: 0.3m ³ Mixed combustion chamber: 0.04m ³	
1 st Burning Room Temp.	850-900 Celsius Degree.	
2 nd Burning Room Temp.	850-1200 Celsius Degree	
Air blower	0.25KW	
Burners	0.12kw+0.18kw, Brand: CAREER.	
Electric Power	Voltage/Frequency as per required	
Material	Q235 Carbon steel with anti-corrosion paint for main body; Fire-proof bricks inside. Steel thickness:	
Chimney	Ø280mm*6m, with rain-proof cap	
Shape dimension	Length	1800mm
	Width	1150mm
	Height Incl. Chimney	9000mm 3000mm (machine) 6000mm (chimney)
Weight	About 5000kgs	
Installation and Operation	1. Manual book in English 2. Engineers Guide Service Available	
Note	1. Equipped with electric control and cable, and all necessary joints, bolts, valves, etc. 2. Temperature indicator 3. Emergency stop button 4. Timer	

4.WFS-50 Waste Incinerator Equipment List:

No.	Equipments name	Specification (Make)	Qty.	Unit
1	Incinerator main body (first combustion chamber)	Mild steel, high temperature refractory material	1	set
2	1st burner	Power 0.12kw, Stainless steel head + cast iron and plastic body.	1	set
3	2nd burner	Power 0.18kw, Stainless steel head + cast iron and plastic body.	1	set

4	<i>Secondary combustion chamber</i>	<i>Mild steel, high temperature refractory material</i>	<i>1</i>	<i>set</i>
6	<i>Mixing combustion chamber</i>	<i>Mild steel, high temperature refractory material</i>	<i>1</i>	<i>set</i>
7	<i>Gas fume purify chamber</i>	<i>Mild steel, high temperature refractory material</i>	<i>1</i>	<i>set</i>
8	<i>Air blower</i>	<i>Power: 0.25KW, cast iron</i>	<i>1</i>	<i>set</i>
9	<i>Ventilate pipeline</i>	<i>Mild steel pipe</i>	<i>1</i>	<i>set</i>
10	<i>Chimney</i>	<i>Anti-corrosion carbon steel pipe</i>	<i>1</i>	<i>set</i>
11	<i>Ash remove shovel</i>	<i>Anti-corrosion carbon steel</i>	<i>1</i>	<i>set</i>
12	<i>Thermoelectric couple</i>	<i>Resist high temperature 1500 ℃</i>	<i>2</i>	<i>set</i>
13	<i>Electrical control system</i>	<i>Carbon steel lined plastic</i>	<i>1</i>	<i>set</i>
14	<i>Absorption device</i>	<i>Ca(OH)₂</i>	<i>8</i>	<i>pc</i>

