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YOUNGJIN Incineration Boiler

 Korea Representative Boiler

YOUNGJIN Incineration Boiler

 **YOUNGJIN BLUETECH** The discovery of new possibility

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 **YOUNGJIN BLUETECH** The discovery of new possibility

Incinerate wastes Instead of fossil fuels

YOUNGJIN INCINERATION BOILER is economical eco-friendly boiler burning a variety of combustible wastes. Boiler provide steam or hot-water with heat produced by burning various combustible wastes including clothing pieces, trees, wood byproducts, plastic, rubber, paper and household wastes.

It is also an eco-friendly boiler, you to pay affordable fuel bill.

YOUNGJIN INCINERATION BOILER, which burn wastes from workplaces as fuel, will be made available with a variety of capacities to meet your steam and hot water needs as required at the workplace.

We sells a boiler capable of producing 0.5ton ~ 6tons of steam per hour and one to produce over 6tons of steam is available on a custom-made basis. It is intended to meet needs of the end users.

Main Features

1. Incinerate wastes instead of fuels
2. Saving oil cost up to 100%
3. High efficient & Multi purpose boiler
4. Patented technology
5. Eco-friendly
6. Excellent stability

Incineration boiler can use various solid wastes



Waste fabric



Wood



Waste paper



Plastic



Coconut shell
Palm shell



household waste

Multi purpose

Waste Incineration Boiler, which burn wastes from workplaces as fuel, will be made available with a variety of capacities to meet your steam and hot water needs as required at the workplace.

YOUNGJIN BLUETECH sells a boiler capable of producing 0.5~20tons of steam per hour and one to produce over 5tons of steam is available on a custom-made basis. It is intended to meet needs of the end users described below :

- Garment & Textile factory
- Dying factory
- Food processing factory
- Leather processing factory
- Wood & pulp processing factory
- Steam and hot water users

YOUNGJIN BLUETECH has qualified technical skills



Patent of incineration boiler system



ABS-WPS



DNV-WPS & WELDER



Environment Inspection Permit I



Environment Inspection Permit II



Environment Inspection Permit III



Environment Inspection Permit IV

Safety First,

YOUNGJIN INCINERATION BOILER provide various safety devices to protect from accidents with long experience. Operators can prevent accidents of the boiler. And also operators can monitor status of the boiler easily.

A Water Level Switch

- Controlling water level of the boiler
- Automatically, stop the boiler if water level is low

B Water Level Sensor for incinerator

- Controlling water level of the boiler
- Automatically, stop the boiler if water level is low

C Safety Valves

- Controlling water level of the boiler
- Automatically, stop the boiler if water level is low

D Magnetic Water Level Gauges

- Controlling water level of the boiler
- Automatically, stop the boiler if water level is low

E Water Level Sensors for Cyclone Dust Collector

- Controlling water level of the boiler
- Automatically, stop the boiler if water level is low

F Pressure Gauge for checking pump

- Operator can check easily pump status by pressure gauge in front of pump

* The magnetic Water Level Gauge



Saving fuel cost, up to 100%

You can reduce fuel cost up to 100% when you replace YOUNGJIN INCINERATION BOILER instead of fossil fuel boiler like Wood boiler, Oil boiler, Gas boiler. YOUNGJIN INCINERATION BOILER normally need 80kg/h of waste for generating 1ton of steam.

80kg/h = 1TON

Kind of waste : Waste fabrics
Applied calorie of waste : 3,500Kcal/kg
Applied pressure : 4kg/cm²

Energy Saving Cost when you replace YOUNGJIN INCINERATION BOILER

Type of boiler	Wood boiler	Diesel boiler	CNG Gas boiler
Capacity	2ton	2ton	2ton
Fuel Consumption	1m ³ /h	140liter/h	40m ³ /h
Unit price of fuel	US\$ 28/m ³	US\$0.81/LITER	US\$0.46m ³
Working time per day	10	10	10
Working day per month	25	25	25
Energy Saving Cost per year	US\$84,000	US\$340,200	US\$55,200

- We got those information from customers. It can differ from your status
- Not included electric consumption
- Not calculated selling expense of waste fabric

HIGH EFFICIENCY & STABILITY

- Patented technology
- Improved durability due to two overlapping nozzles
- By maximizing combustion efficiency, it saves fuel consumption by over 30% when compared to existing or other manufacturer's products
- Safe Product which has obtained structural inspection certificate by Energy Management Corporation in Korea
- Good quality materials are used to burn a variety of wasted.

YOUNGJIN BLUETECH has been successful in developing an upright batch boiler into a boiler, highly efficient and easy-to-maintain, as a result of R&D focused on best efficiency and patent has been filed for it. Waste Incineration Boiler is equipped with an efficient system where nozzles are designed to be exposed in combustion chamber in such a way that they can be easily installed and cleaned, and promptly replaced if necessary. In addition, equipped with overlapping nozzles and a cooling system using water, it is capable of improved durability by preventing deformation caused by powerful heat in the combustion chamber.

As a result, it has improved its performance by more than 30% over other products in competition and thus, it is capable of producing much more steam by burning relatively small amount of wastes.

Being directly designed and manufactured by YOUNGJIN BLUETECH, we guarantee excellent stability and performance. We have considered various conditions to develop a boiler to burn a boiler to burn a variety of wastes. When using some foreign boilers made of thin metal plate or not adequately equipped with safety functions, you were forced to take risk of accidents like explosion at any time. Waste Incineration Boiler is designed in such a way that it burns any wastes safely without posing any problems and further, made of extraordinarily good quality steel plate, piping materials and the like, it guarantees excellent safety and performance.

YOUNGJIN BLUETECH makes efforts to improve performance of boilers by virtue of continued R&D and as a result, successfully launched a boiler in 2013 which improves combustion efficiency by over 30% compared to conventional boilers

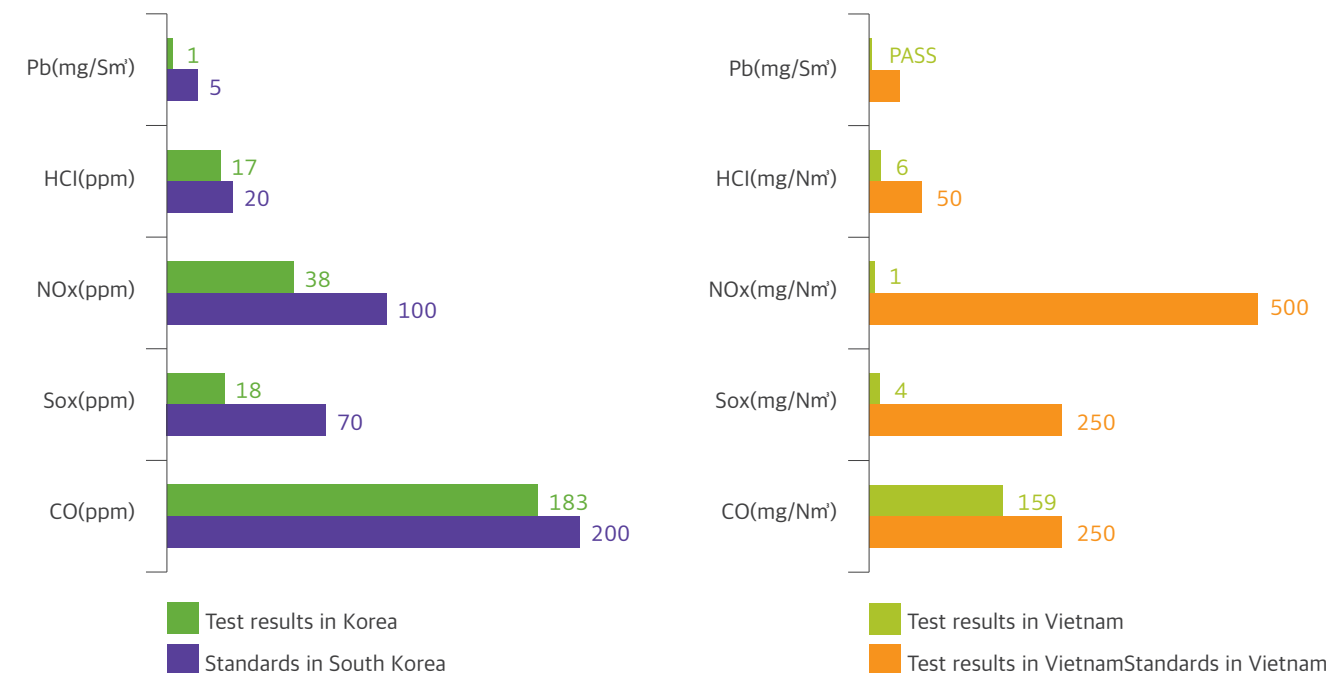
Satisfied with an emission standard in many South-East Asia countries

Waste Incineration Boiler is a necessity for your workplace if you consider an environment and product of importance.

Waste Incineration Boiler does not produce soot and reduces emission of pollutants to a minimum. Separate dust collection facilities are not required. If it is necessary to meet strict environmental regulations, additional environ-mental facilities may be installed.

Generally, if boilers do not burn completely fuel, a lot of soot and pollutants are dis-charged. In Comparison, YOUNGJIN Incineration Boiler is an eco-friendly equipment, which, thanks to patented technology, is capable of providing sufficient amount of steam by burning relatively small amount of wastes and in addition, its combustion efficiency is so high that if burns a variety of wastes completely, thereby hardly discharging any soot and minimizing emission of pollutants.

Energy Saving Cost when you replace YOUNGJIN INCINERATION BOILER



※ Depends on Operating & Inspection Conditions

World Best, YOUNGJIN INCINERATION BOILER

Basic type of Boiler

Capacity(ton/h)	Steam Pressure(kg/cm ²)	Consumption(kg/h)	Boiler space (W X L)	Min. Boiler room space (W x L x H)
0.5	4 ~ 6	50 ~ 70	3m x 4.5m	5m x 6.5m x 5.5m
	8 ~ 10	60 ~ 80		
1.0	4 ~ 6	70 ~ 90	3m x 5m	5m x 8m x 6m
	8 ~ 10	80 ~ 100		
1.5	4 ~ 6	110 ~ 140	3.2m x 5.2m	5m x 8.2m x 6.5m
	8 ~ 10	120 ~ 150		
2.0	4 ~ 6	170 ~ 210	4.5m x 6.5m	6.5m x 9.5m x 7m
	8 ~ 10	190 ~ 220		
2.5	4 ~ 6	170 ~ 210	7m x 12m	10m x 16m x 8m
	8 ~ 10	190 ~ 220		
3.0	4 ~ 6	190 ~ 230	7m x 13m	10m x 17m x 8m
	8 ~ 10	210 ~ 250		
3.5	4 ~ 6	200 ~ 240	7m x 13m	10m x 17m x 8m
		220 ~ 260		
4.0	4 ~ 6	300 ~ 350	7m x 16m	10m x 20m x 8m
	8 ~ 10	330 ~ 370		
5.0	4 ~ 6	320 ~ 370	7m x 17m	10m x 21m x 8m
	8 ~ 10	340 ~ 390		
6.0	4 ~ 6	400 ~ 450	8m x 18m	11m x 22m x 8m
	8 ~ 10	420 ~ 470		

*Note

1. Low heating value of combustible wastes : 3,500Kcal/Kg
2. Wates consumption can different in your status.
3. We can examine to adjust boiler space & boiler space & boiler room space if you need to adjust
4. We do not consider waste storage in Min. Boiler room space.



▲ One Top 0.5ton ~ 2ton

▲ Two Top I 2.5ton ~ 3.5ton



▼ Two Top II 4ton ~ 6ton