



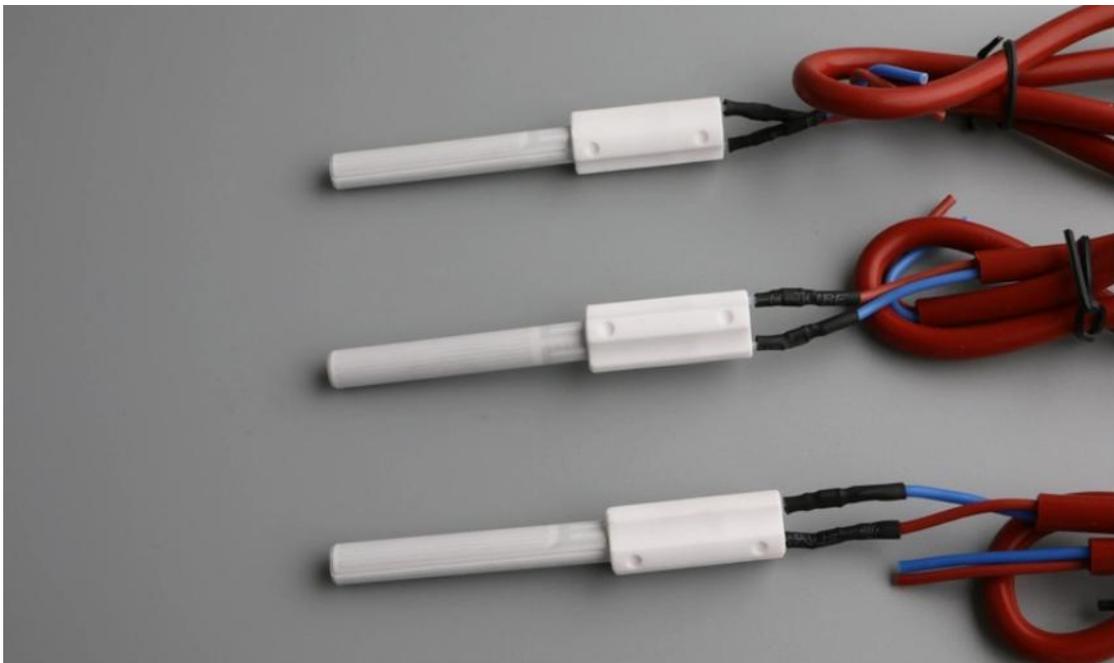
### Biomass Boiler Igniter

Alumina Ceramic Biomass Boiler Igniter are produced by implementing ceramic lamination processes. You can rest assured to buy Biomass Boiler Igniter from our factory and we will offer you the best after-sale service and timely delivery.

**Model:G90105**

### Biomass Boiler Igniter

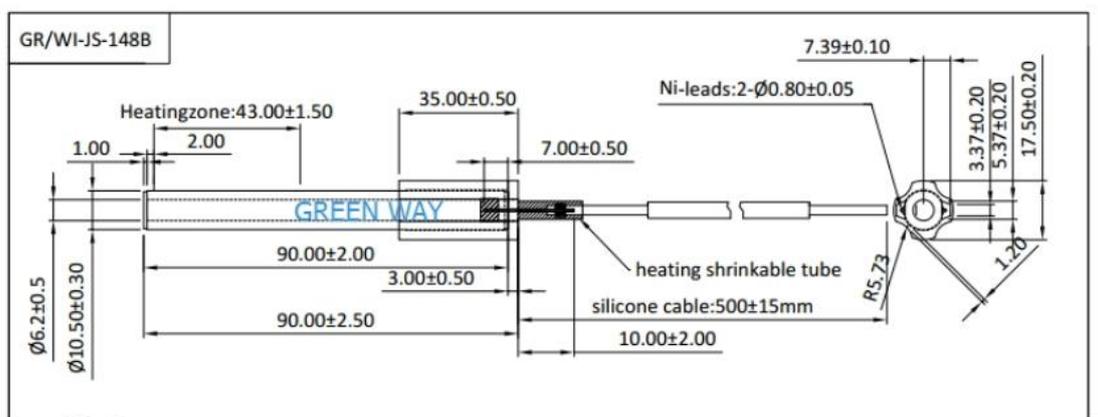
**Biomass Boiler Igniter** are produced by implementing ceramic lamination processes. Due to the compactness, high power and rapid heating speed. Ceramic Heater can provide higher reliability than ever before. Mainly applications include use as innovative types of heaters in the automotive, medical and semiconductor industries.



**Parameter of GREENWAY Ceramic Pellet Heater**

Part Number: G90105	
Application	Pellet burner/biomass boiler
Ceramic Holder	17.5mm/25mm or Accordingly
Working voltage	120V+/-10%
	230V+/-10%
Heating Element	White 95%alumina ceramic

**Boiler Boiler Igniter Material**



1. Heater: white alumina ceramic, and the content of alumina is no less than 95%.
2. Ni-wires: N6 Ni-wires with 0.8mm diameter.
- 4.3 Brazing material: Ag72Cu28
- 3.Ceramic Holder: Alumina ceramic 95%,17.5mm
- 4.Heat shrinkable tube: black; heat resistance180°C
- 5.Cable: silicone cable, heat resistance 180°C

**General Properties of Biomass Boiler Igniter**

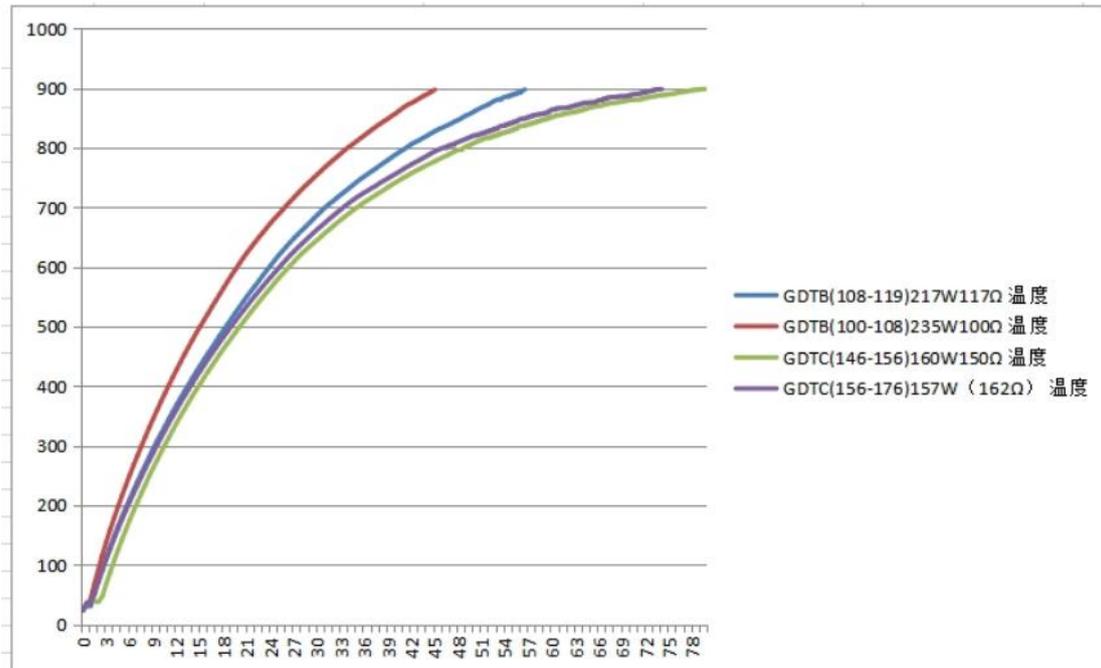
Properties	Value	Condition
Forward Current	AC220V+/-10%	50/60Hz
Power Consumption	220V	114W~134W
	230V	120W~150W
	240V	131W~160W
Heating Resistance	Accordingly	23°C±2°C

Rising time	Within 30s to 800°C After 120 s to 940°C~	Applied at AC 220V and 23°C±2°C ambient temperature
Maximum Temperature	1050°C	
Insulation Resistance	500VDC-100 MΩ MIN. Temperature 23°C±2°C Humidity 65%±10%	Tester: Insulation resistance tester. Putting the heating area into 10% ammonium nitrate solution, plugging DC500V on the position of 5cm away from the electrode.
Withstand voltage	AC1500V,for one second, the leak current should less than 5mA	Tester :pressure tester. Putting the heating area into the tap water, plugging in AC 1500V for one second on the position of 5mm away from the electrode.
Ni-wire Pull Strength Test	No less than 3.0Kgf	Tester: Tensile tester. Angle:45°C
Power-on test	Input the setting voltage for one minutes, no these phenomenon will occur such as no heat, uneven heat and explosion.	Inserting the heating leads to the test equipment, then input the regulated voltage for one minute
Resistance Test	Heating resistance: Accordingly	Tester: DC low resistance tester
Appearance	None of following conditions can be accept such as mix-color, crack, pin hole, scratch, contamination, and chipping. Leads should be welding on right angle.	Visual method. If the defect is difficult to distinguish,usingX20,X100, X200 microscope to check

### Rising temperature( for reference)

Rising temperature varied slightly according to resistance.

The graph below shows the different temperatures on different resistance value.



### GREENWAY Biomass Boiler Igniter Application

- Wood pellet stove
- Wood pellet boiler
- Wood pellet burner
- Wood chips burner
- Straw burner
- Other biomass burner

### Packing and Delivery

- Box;Carton;
- Delivery with Express such as TNT/DHL/Fedex and UPS
- Lead time:1-35 working days



#### FAQ

1. Q: Can ceramic heating core be customized, such as shape or dimension?

A: Surely, heating core is welcome customized as your need.

2. Q: May I know which payment will be accepted by your company?

A: So far 100% T/T against PO., or negotiation.

3. Q: About the after-sale service, how can you solve the problems occurred of your overseas customer in time?

A: The warranty of our ceramic heater is normally 13 months, during this period, we will arrange the international express immediately (or later batch), to make sure the replace parts to be delivered as soon as possible.