



## Heating Element Specification

Model: CE275(17200034)

Description: Water electric heater

Version No.: **Rev. 1**

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1. Application Scope:

This specification is based on GB 4706.1-2005 "Safety of household and similar electrical appliances Part I: General requirements" and JBIT4088-2012 "Domestic tubular electric heating elements" and other relevant regulations and requirements, suitable for Wihua water heating electric tubes.

This specification is formulated by Baker Electric Heating Technology (Shenzhen) Co., LTD.

2. Use status:

The electric heat pipe is ultimately used to heat water, and dry burning is strictly prohibited.

3. Technical requirements and methods:

3.1. Product Specifications:

Voltage (V)	Power (W ± 5%)	Pipe surface load (W/cm <sup>2</sup> )	MARK
230	3000	12.13	Dimensions are shown in 4.5 Outline Diagram of this specification

3.2. Power detection method:

Make the component in the rated voltage and sufficient heating conditions or analog conditions, after reaching the operating temperature measured with a power meter, its value should be in the above power range (+5/-10%).

3.3. Insulation resistance:

Cold insulation resistance: measured by a DC500V megohm meter, it should be above 10MQ.

3.4. Electrical strength:

First set the setting current of 5mA, and then apply a voltage of 1800V between the lead rod and the housing of the component for 1S, and there should be no flashover and breakdown.

3.5. Leakage current

Power with rated voltage, heat water temperature to working temperature, leakage current ≤0.5mA.

3.6. Air tightness test:

All welds must pass 0.5MPa air pressure leakage test.



8	Warning label	Paper
9	250# female terminal	SUS304
10	2BA nut	Copper
11	Non-slip gasket	Copper
12	Flat gasket	Copper
13	Clamping gasket	Copper
14	Porcelain grain	ceramic
15	Temperature control tube	SUS316L
16	Round nut	Orichalcum
17	Power cord clamp	PP
18	Tapping screw	Galvanized iron
19	M3 screw	Galvanized iron
20	Steel-covered cup	Iron injection oil (black)

## 6. Packaging:

### 6.1 Carton Identification Content (Label identification content):

Backer Heating Technologies(Shenzhen)Co.,Ltd.

PO Order:

P/N Model:

Desc description: Screw type electric heat pipe

QTY Quantity:

GW Gross weight:

Data Date:

## 7. Transportation:

The packing box should be allowed to be transported in any way, and the transportation process should avoid rain and snow invasion and mechanical damage.

## 8. Storage:

The heating pipe should be kept in a well-ventilated warehouse without opening the package, and there should be no corrosive gases in the surrounding air.

## 9. Product inspection report:

One quality inspection report shall be attached to each batch of goods.