



## INNOVATIVE HEATING ELEMENTS FOR EVERY INDUSTRY

HEAT WHERE  
YOU NEED IT MOST



Contact: Ferris Wen  
WhatsApp: +44 07529925283  
Phone: +86 13129892232  
Email: ferris.work@outlook.com

### DONGGUAN DINGYUAN INDUSTRIAL CO.,LTD

Tel: 0769-83503283 Fax: 0769-83984962

Add: Building B First floor No.3 Xinglong 2nd Road Xiaxu Village ChangpingTown  
Dongguan City Guangdong.

### HONG KONG DING YUAN INDUSTRY LTD

Tel: 00852-31733712 Fax: 00852-31733713

Add: Room 1250, (S01)12/F, Tai Sang Bank Buliding, 130-132 Des Voeux  
RoadCentral, Hong Kong

**DINGYUAN INDUSTRIAL CO.. LTD**

## COMPANY PROFILE

### Company Name:

Heat Source Electric Heating Factory  
(Hong Kong DingYuan Industrial Co., Ltd.)

### About Us:

Heat Source Electric is a professional manufacturer of electric heating elements for commercial and industrial applications.

### We specialize in:

- ◎ High-quality heating tubes
- ◎ Customized heating solutions
- ◎ Integration of advanced heating technology into equipment

### Applications Include:

Plastic machinery, chemical equipment, kitchen appliances, sauna systems, water heaters, commercial HVAC, and more.

### Our Strengths:

- ◎ Strict quality control
- ◎ Reliable performance & safety
- ◎ Long product lifespan
- ◎ Customer-focused innovation

### What We Stand For:

To deliver efficient, safe, and durable heating products that create maximum value for our clients.



## CONTENTS

### INDUSTRIAL ELECTRIC HEATERS ..... 01

|                                             |    |
|---------------------------------------------|----|
| Cartridge heater .....                      | 01 |
| Band Heater .....                           | 02 |
| Anti-Corrosion Electric Heating Tubes ..... | 03 |
| Electric Heaters for Plastic Machinery..... | 05 |
| Hot Runner Heater .....                     | 06 |
| Heating element for plastic equipment ..... | 07 |

### COMMERCIAL ELECTRIC HEATERS ..... 09

|                                           |    |
|-------------------------------------------|----|
| Heating Tubes for Kitchen Equipment ..... | 09 |
| Solar Water Heater .....                  | 11 |
| Heating Tubes for Sanitary Ware .....     | 12 |

### PRODUCT DISPLAY ..... 13

## CARTRIDGE HEATER



Applicable to plastic formed mold, thermal pressure forming machine, cigarette making machine, pharmaceutical machinery, shoemaking industry, packing machinery, etc. All products are manufactured as per CE Criteria.

### Technical parameter:

- Tube diameter:  $\Phi 5\text{mm}-\Phi 25\text{mm}$ . Tolerance:  $-0.02\text{mm}/0.08\text{mm}$
- Tube material: SS321, SS316L, INCOLOY840.
- Insulation material: high-purity Mgo imported from USA
- Resistance wire: Ni80Cr20.
- Density: Max  $40\text{W}/\text{CM}^2$
- Operating temperature: Max  $927^\circ\text{C}$
- Electrical property: leak current is less than  $0.5\text{mA}$ .
- Input voltage and wattage: to be customized as required. Wattage tolerance:  $+5\%-10\%$ .

### Characteristics:

- Long-term service life, advanced design of interior structure, highly purified magnesia rod and powder, great heat conductivity, and special abrasive equipment.
- Adopt special abrasive equipment, to ensure tube diameter is fit for operation equipment. High heat efficiency and quick heat elimination.

## BAND HEATER



Applicable to plastic forming machine, Bakelite forming machine, die casting machine, etc. All products are manufactured as per CE Criteria.

### Technical Parameter:

- Specification: to be customized as required.
- Material: Copper, SS430, SS304, Aluminum
- Insulation material: imported high-temperature mica
- Resistance wire: Ni80Cr20
- Electrical property: leak current is less than  $0.5\text{mA}$ .
- Input voltage and wattage: to be customized as required. Wattage tolerance:  $+5\%-10\%$ .

### Characteristics:

- Adopt imported high-temperature resistance material, to satisfy high-temperature work condition.
- Special manufacturing technology improves heat conduction of heating element.

## ANTI-CORROSION ELECTRIC HEATING TUBES



Applicable to electroplating and electrolysis equipment, PCB manufacturing equipment, Chemical equipment, surface treatment equipment, all kinds of equipments with corrosive gas and liquid, and so on. All products are manufactured as per CE Criteria.

### Technical Parameter:

- Tube diameter:  $\Phi 10$ - $\Phi 50$ .
- Tube material: PTFE, PFA, SS304, SS316L, and Titanium.
- Input voltage and wattage: to be customized as required. Wattage tolerance (cold condition): +5%-10%
- Insulation resistance DC1000V (cold condition):  $\geq 1000M\Omega$ .
- Leak current:  $\leq 0.5mA$
- Specification and shape: to be customized as required.



### Characteristics:

- Fluor plastic heating element adopt design of low surface load( $1.5W/CM^2$ ).
- Fluor plastic adopts imported PTFE, PEA, to ensure high temperature performance and corrosion resistivity.
- Made of pure Titanium and SS316L seamless tube, thus to avoid tube bursting in use.
- As per customers' different requirement, heating element can be installed with overheat protector or PT100 temperature probe.
- Multi-cultural structure design satisfy customers' installation and operation environment.

## ELECTRIC HEATERS FOR PLASTIC MACHINERY



Applicable to heat air and liquid in chemical machinery, petrol machinery, natural gas machinery, shipbuilding machinery, boiler steam machinery, automated machine, drying machine, refrigerating machinery, etc. All products are manufactured as per CE Criteria.

### Technical parameter:

- Tube diameter:  $\Phi 6.6$ – $\Phi 16$ .
- Tube material: SS304, SS321, SS316L, SS310S, INCOLOY840, INCOLOY800.
- Input voltage: 100V–415V
- Wattage: to be customized as required. Wattage tolerance (cold condition): +5%–10%.
- Insulation resistance DC 1000V(cold condition):  $\geq 1000M\Omega$ .
- Leak current:  $\leq 0.5mA$ .

### Characteristics:

- Special welding technology guarantees the excellent air permeability performance of heating element.
- According to long-term operation characteristic of equipment, we adopt requiring material and special manufacturing technology, to ensure long-time stable performance.
- Advanced technology and stable quality improve security and long service life of equipment.

## HOT RUNNER HEATER



Applicable to plastic forming industry, mold making industry, etc. All products are manufactured as per CE Criteria.

### Technical Parameter:

- Product item/ cross section:
- DS1(round with single head):  $\Phi 1.6$ ,  $\Phi 1.8$ ,  $\Phi 2.0$ ,  $\Phi 3.0$ ,  $\Phi 3.3$ ,  $\Phi 3.8$ ,  $\Phi 5.0$
- DS2(square with single head):  $1.5*2.1$ ,  $1.7*3.5$ ,  $2*4$ ,  $2.2*4.2$ ,  $2.7*4.5$ ,  $4.2*6.5$
- DS3(square with single head):  $3*3$ ,  $3.5*3.5$ ,  $4*4$
- SS1 (round with two heads):  $\Phi 1.6$ – $5.0$ ,  $6.6$ ,  $8.0$ ,  $8.5$ ,  $10.0$
- SS2 (square with two heads):  $6*6$ ,  $8*8$
- Tube material: SS304, SS321.
- Interior material: Ni80Cr20, high-purity Mgo
- Tube surface temperature:  $750^{\circ}C$
- Input voltage: 100V–400V
- Wattage tolerance (cold condition): +5%–10%.
- Insulation resistance DC 1000V (cold condition):  $\geq 100M\Omega$ .
- Leak current:  $\leq 0.5mA$ .

### Characteristics:

- Adopt imported high-purity Mgo, to ensure excellent heat conduction and electrical property.
- Applicable to injection mold with high productivity and requirement.
- Adopt accurate processing equipment and advanced manufacturing technology. Our hot runner heaters are all deal with  $1050^{\circ}C$  heat treatment, thus fit various molding and bending of different dies.

## HEATING ELEMENT FOR PLASTIC EQUIPMENT



Applicable to plastic forming auxiliary equipment, water type mold temperature controller, oil type mold temperature controller, drying machine, etc. All products are manufactured as per CE Criteria.

### Technical parameter:

- Tube diameter:  $\Phi 8$ - $\Phi 12$
  - Tube material: Copper, SS304, SS321, SS316L, INCOLOY840
  - Input voltage and wattage: to be customized as required.
- Wattage tolerance: +5%-10%.



- Electrical property: insulation value is more than 10000 M $\Omega$ , leakage current is less than 0.5mA.

### Characteristics:

- Select excellent raw material as per operation conditions of equipment, so as to meet the demand of corrosion resistance and anti-oxidation.
- Good electrical performances to improve operation safety of equipment.
- Advanced technology and strict management guarantee the operation requirement and long service life of equipment.

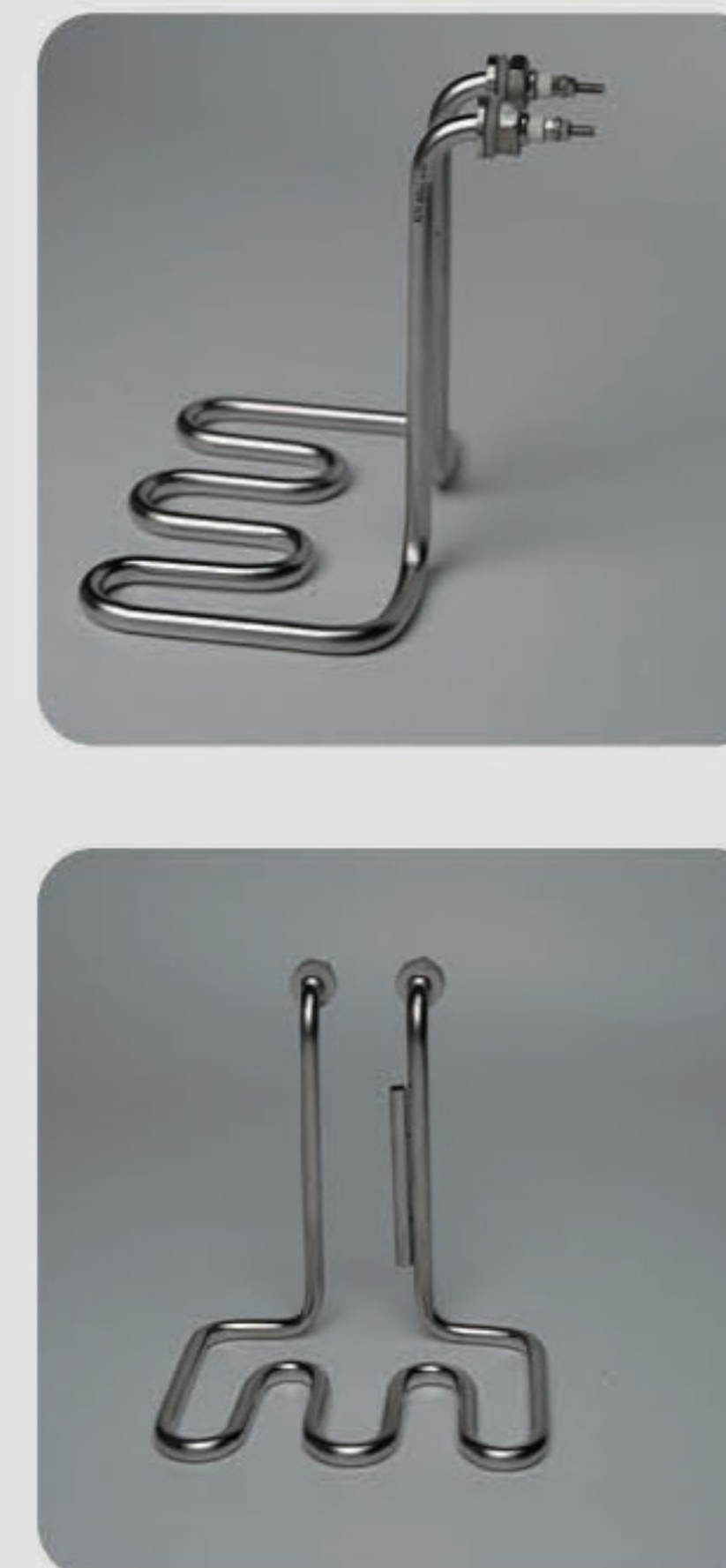
## HEATING TUBES FOR KITCHEN EQUIPMENT



Applicable to western kitchen equipment, deep frying pan, grill utility, thermo tank, commercial compact water boiler, griddle, noodle cooker, and so on. All products are manufactured as per CE Criteria.

### Technical parameter:

- Tube diameter:  $\Phi 6.6$ ,  $\Phi 8$ ,  $\Phi 10.0$
- Tube material: copper, SS304, SS321, SS316L, INCOLOY840, INCOLOY800.
- Input voltage: 100V-415V
- Wattage: to be customized as required. Wattage tolerance(cold condition): +5%-10%.
- Insulation resistance DC1000V (cold condition):  $\geq 10000M\Omega$ .
- Leak current:  $\leq 0.5mA$ .



## HEATING TUBES FOR KITCHEN EQUIPMENT



### Characteristics:

- According to the high-load and high-temperature work condition of equipment, we select excellent raw material to meet the demand on corrosion and high temperature resistance.
- Special surface treatment avoids the causing of water scale.
- After being deal with thermal recovery in  $1050^{\circ}C$ , products will keep stable in long-term use.

## SOLAR WATER HEATER



Applicable to solar water heater, wind power generation, communication equipment, electric precipitator, and so on. All products are manufactured as per CE Criteria.

### Technical parameter:

- Tube diameter:  $\Phi 6.6$ ,  $\Phi 8$ ,  $\Phi 10.0$
- Tube material: SS304, SS321, SS316L, INCOLOY840, INCOLOY800.
- Input voltage: 100V-415V
- Wattage: to be customized as required. Wattage tolerance (cold condition): +5%-10%.
- Insulation resistance DC1000V (cold condition):  $\geq 1000M\Omega$ .
- Leak current:  $\leq 0.5mA$ .

### Characteristics:

- Special surface treatment avoids the causing of water scale.
- Advanced production process and special interior design make our heating element long-term service life.
- Strict production and standard quality control system make our quality more stable.

## HEATING TUBES FOR SANITARY WARE



Applicable to sauna dry decatizing machine, wet decatizing machine, pond caloristat, electric water heater, steam generator, etc. All products are manufactured as per CE Criteria.

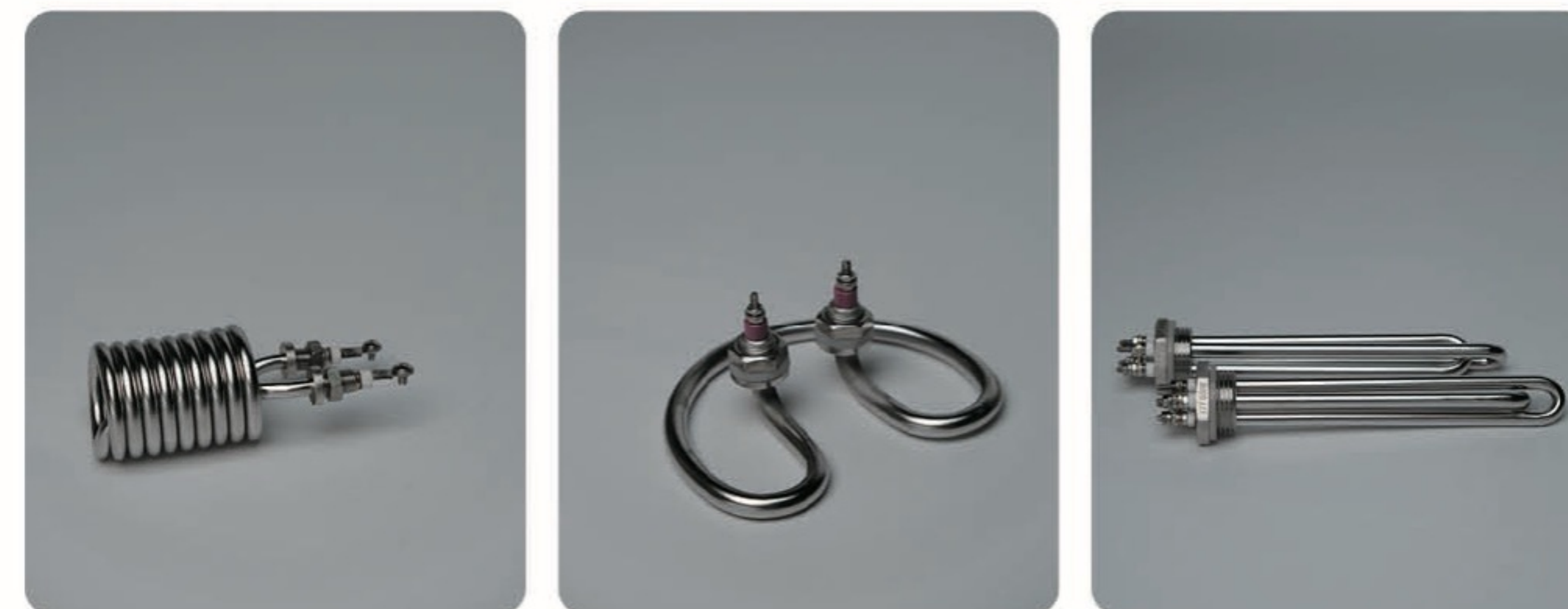
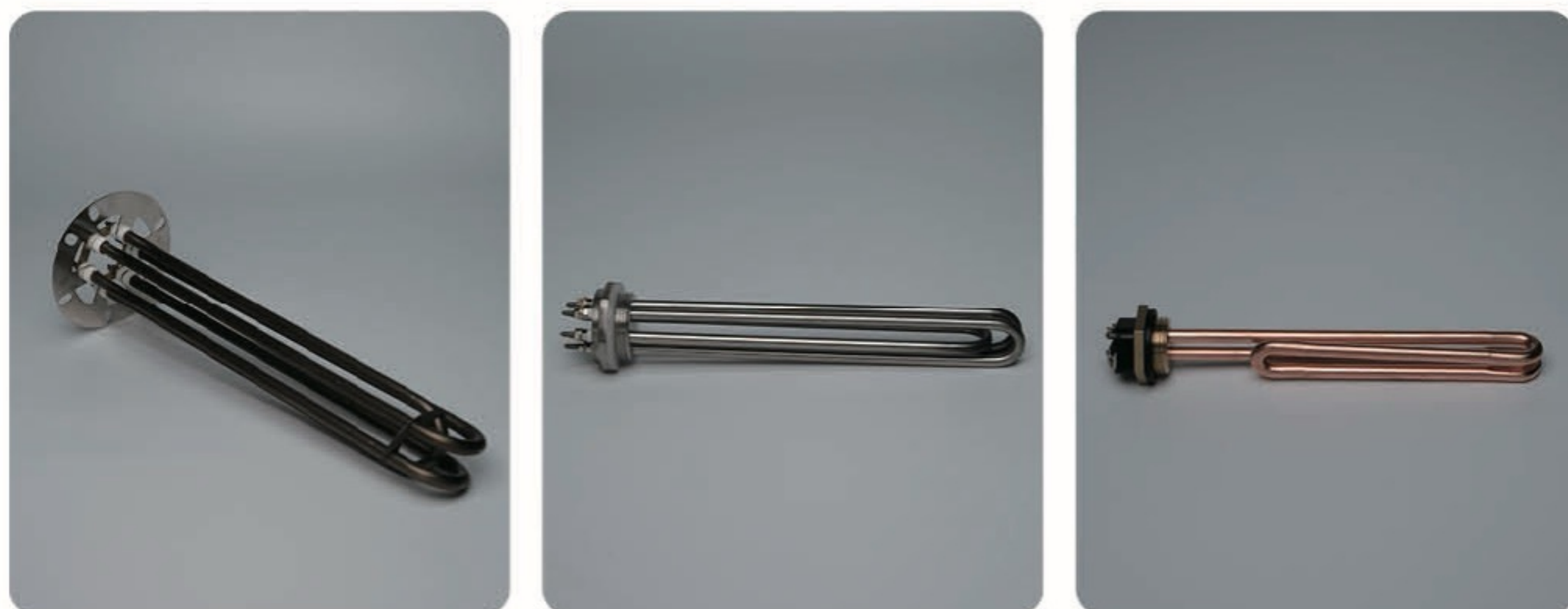
### Technical parameter:

- Tube diameter:  $\Phi 6.6$ ,  $\Phi 8$ ,  $\Phi 10.0$
- Tube material: SS304, SS321, SS316L, INCOLOY840, INCOLOY800
- Input voltage: 100V-415V
- Wattage: to be customized as required. Wattage tolerance (cold condition): +5%-10%.
- Insulation resistance DC1000V (cold condition):  $\geq 10000M\Omega$ .
- Leak current:  $\leq 0.5mA$ .

### Characteristics:

- According to thermal cycling work condition of equipment, we adopt excellent raw material to meet the demand of corrosion and high temperature resistance.
- Specially technical treatment on tube surface to avoid generating water scale.
- Special manufacturing technology guarantees resistance value will be 10000  $M\Omega$  after long-time placement.

## PRODUCT DISPLAY



## PRODUCT DISPLAY

