



# Induction Heating Equipment



2021 Catalogue

[www.daobright.com](http://www.daobright.com)

# Company Info



DaoBright Technology Co.,LTD was established in FoShan, China in 2007, is a professional developer and manufacturer for Induction Heating Equipment. Superior quality and excellent customer service are our major focus.



Daobright Technology Co.,LTD is one of the Top 3 induction heating manufacturer in China, which specializing in manufacturing and marketing of induction heater, heater card, induction heating boiler, induction steam generator, melting furnace.

Daobright focus on producing induction heating device for 15+ years, we provide you high quality products and VIP service.

Daobright have a well team-conscious, the ability of communication and coordination, work hard, meticulous and patience can afford the pressure of the work. We are young, passionate, fun, experienced, helpful, when doing business with us, there is nothing you cannot rest assured.

- 15 years experience in magnetic induction heating industry
- Export to 50 countries worldwide
- Over 20, 000 sets/year capacity
- 15, 000 sq.m of production and office space
- Over 300 strong team of qualified professionals

# About induction heating

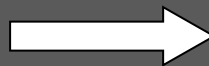


Induction heating is the most clean, efficient, cost-effective, precise and repeatable method of material heating available to the industry, today.

Electromagnetic induction heating, or electromagnetic heating (Electromagnetic heating abbreviation: IH) technology, is the principle of electromagnetic heating through the composition of the electronic circuit board to produce an alternating magnetic field, when an iron containing container is placed on it, the surface of the container is cut alternating magnetic force line and produces alternating current at the bottom of the container. Eddy current makes the carrier at high speed move irregularly at the bottom of the container, and the carriers collide with each other and produce heat. So that the effect of heating items. Because the iron container is self heating, the thermal conversion rate is particularly high, up to 98%, which is a direct heating method.

The Electromagnetic Induction Heating System is composed of an Electromagnetic Heating Controller and an Electromagnetic Heating Coil.

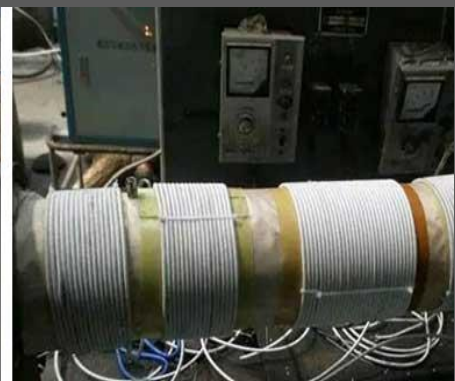
Induction controller



Coil wire



Heating tank/barrel/pipes etc.





# Induction Heater



**220V 2~10KW**

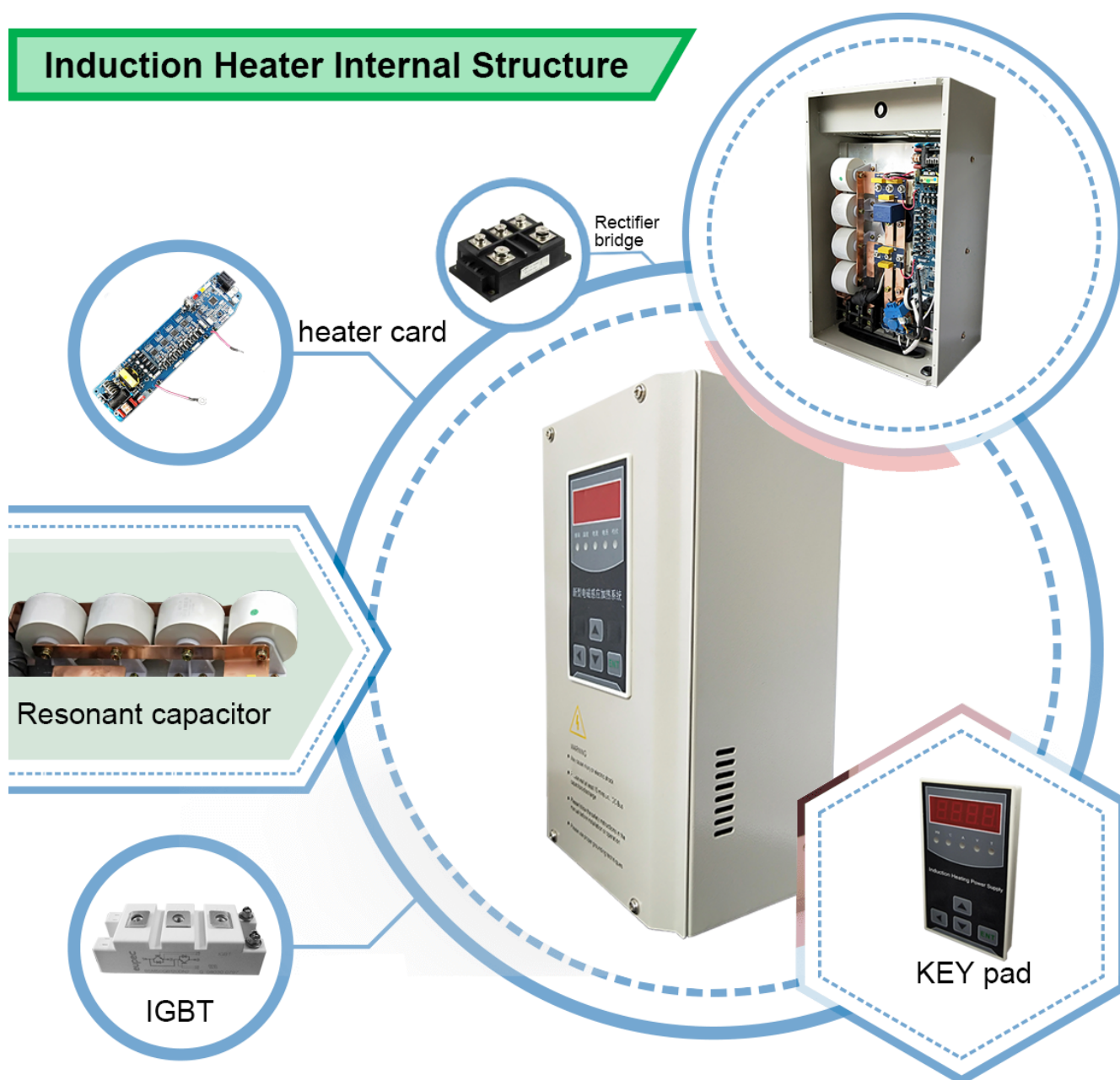


**380V 8~25KW**



**380V 30~120KW**

## Induction Heater Internal Structure



# Induction Heater

## Parameters:

Model No.	Voltage	Rated Power	Current	Inductance	Coil wire
RZ-HB-2.5K220A	180~260V	2.5KW	11A	100uH	4mm <sup>2</sup>
RZ-HB-3.5K220A	180~260V	3.5KW	15A	90uH	4mm <sup>2</sup>
RZ-FB-5K220D	180~260V	5KW	23A	160uH	6mm <sup>2</sup>
RZ-FB-8K220D	180~260V	8KW	36A	140uH	10mm <sup>2</sup>
RZ-FB-10K220D	180~260V	10KW	45A	130uH	10mm <sup>2</sup>
RZ-HB-8K380D	380~450V	8KW	12A	170uH	6mm <sup>2</sup>
RZ-HB-10K380D	380~450V	10KW	15A	150uH	10mm <sup>2</sup>
RZ-HB-12K380D	380~450V	12KW	18A	130uH	10mm <sup>2</sup>
RZ-HB-15K380D	380~450V	15KW	23A	120uH	16mm <sup>2</sup>
RZ-HB-20K380D	380~450V	20KW	30A	100uH	20mm <sup>2</sup>
RZ-HB-25K380D	380~450V	25KW	38A	90uH	25mm <sup>2</sup>
RZ-FB-30K380D	380~450V	30KW	45A	200uH	16mm <sup>2</sup>
RZ-FB-40K380D	380~450V	40KW	60A	180uH	20mm <sup>2</sup>
RZ-FB-50K380D	380~450V	50KW	75A	160uH	25mm <sup>2</sup>
RZ-FB-60K380D	380~450V	60KW	90A	150uH	30mm <sup>2</sup>
RZ-FB-80K380D	380~450V	80KW	120A	120uH	50mm <sup>2</sup>

Note: If need 110V or 3-phase AC220V voltage, please contact our sales team



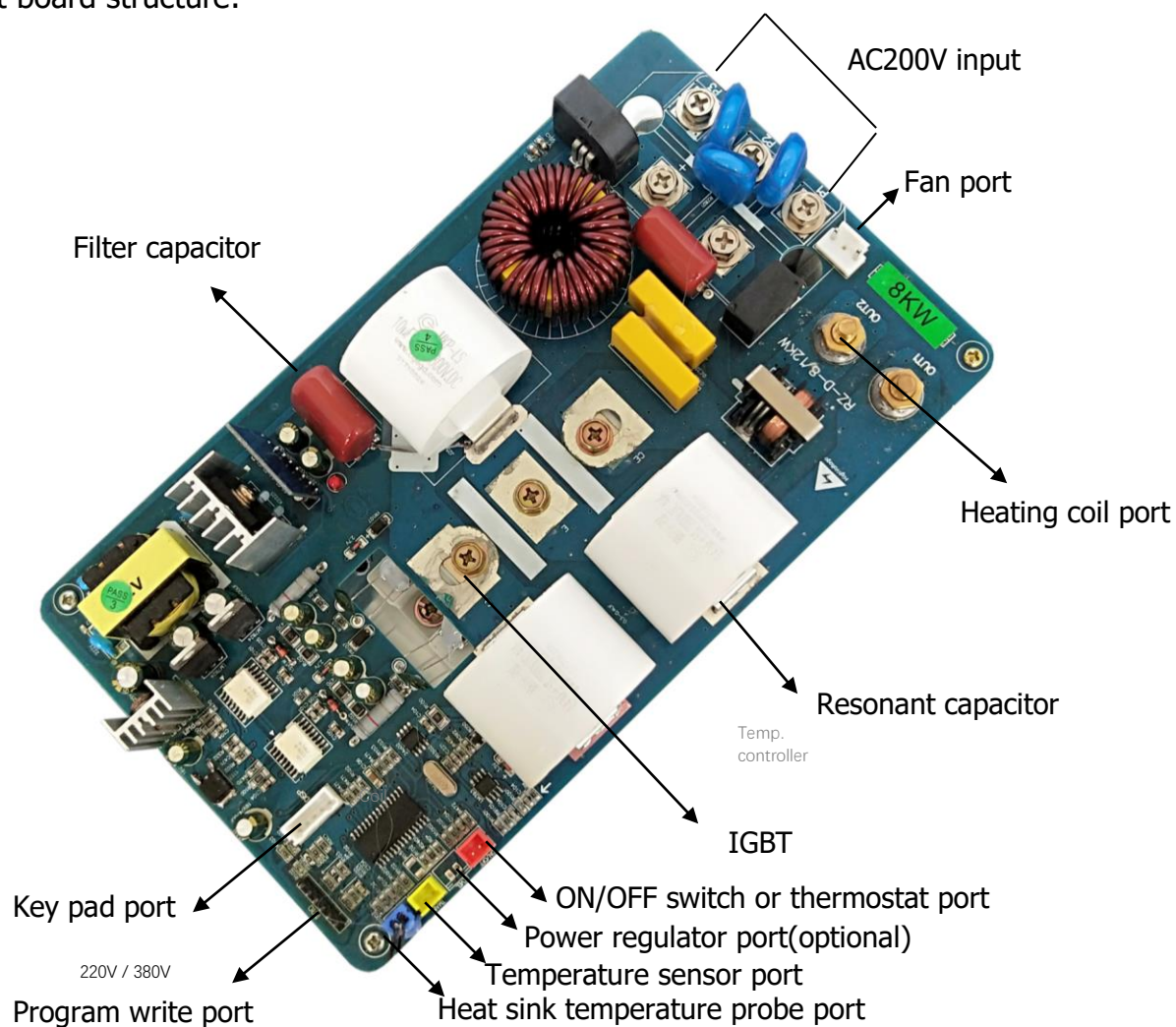
Induction heater usually referred as Electromagnetic induction heating power supply. or electromagnetic heating controller.

The induction heater turns the alternating current of 220V or the three-phase AC 380V, 50/60HZ into DC, then turns the DC into the high frequency 10~40KHz high current electricity used for heating industrial products.

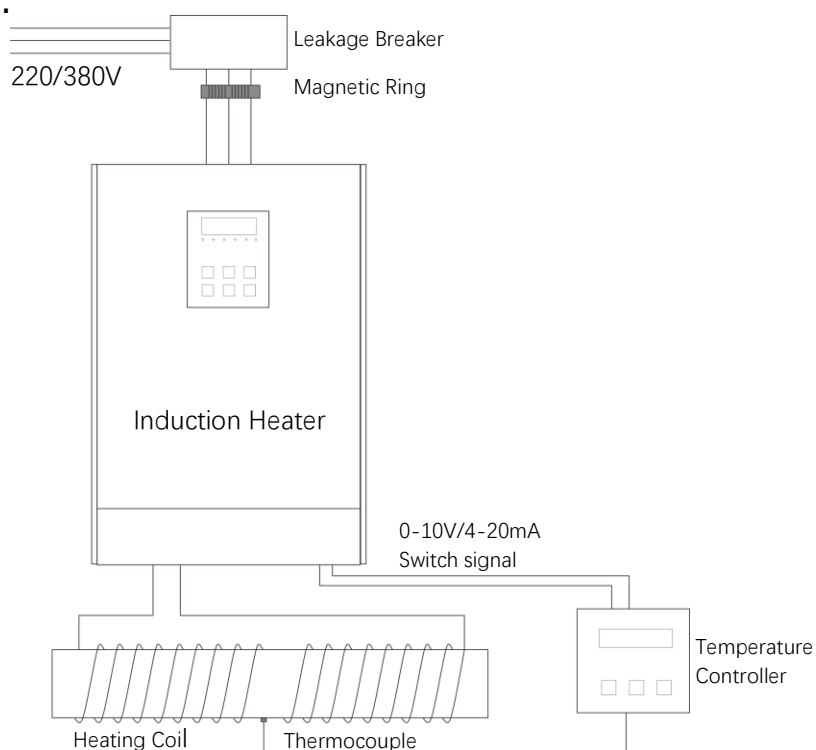
The induction heater support soft start, PID, 40-20mA, 0-5V, 1-5V, 0-10V, adjustable power.

# Induction Heater

Main circuit board structure:



System connection diagram:



# Magnetic Induction Boiler

- Fast preheating
- Safety and stable
- Efficient



Model No. **RZ-CNL-6-15**



The best induction heating boiler.

Magnetic induction heating boilers are popular choice for households where gas is not available.

They are an efficient choice for heating up your home, a great benefit of having an induction boiler to heat your home is that it doesn't release any gases into the atmosphere.

The technology behind induction boilers has developed into a competitive and advanced industry, due to how quiet the boilers are and how they are typically easier to maintain and install than gas boilers.

# Induction Heating Boiler



The electromagnetic induction boiler uses electricity rather than gas to heat up hot water. Just like a gas boiler, it will heat up the water that warms your radiators and under floor water pipe.



Code	Voltage	Power	Installation	Dimensions / Weight
CNL-6	180-260V	6KW	Wall mount	620*350*145mm / 15kg
CNL-8	220V / 380V	8KW	Wall mount	620*350*145mm / 15kg
CNL-10	220V / 380V	10KW	Wall mount	620*350*145mm / 16kg
CNL-12	350-430V	12KW	Wall mount	620*350*145mm / 16kg
CNL-15	350-430V	15KW	Wall mount	620*350*145mm / 18kg

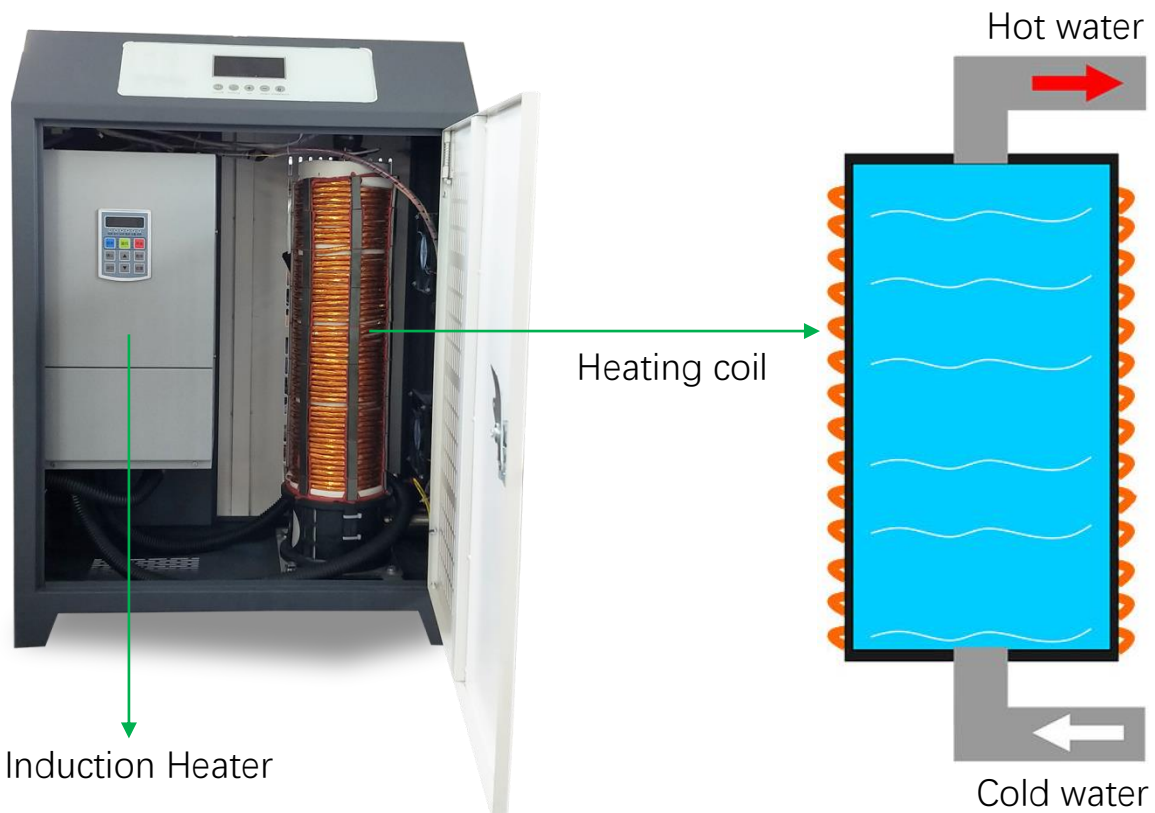


# Induction Boiler



A magnetic induction boiler may be the ideal solution for heating your home if the option for gas is unavailable where you live, or you want the benefits of having an electric-powered heating system, such as a quiet boiler and more installation flexibility.

## Internal structure



## RZ-CNL-20/30



Magnetic induction heating boiler

Rated power: 20KW / 30KW

Voltage: 3-Phase AC350-430V

Water pipe: 32mm

Dimensions: 500\*300\*675mm

Up-right installation

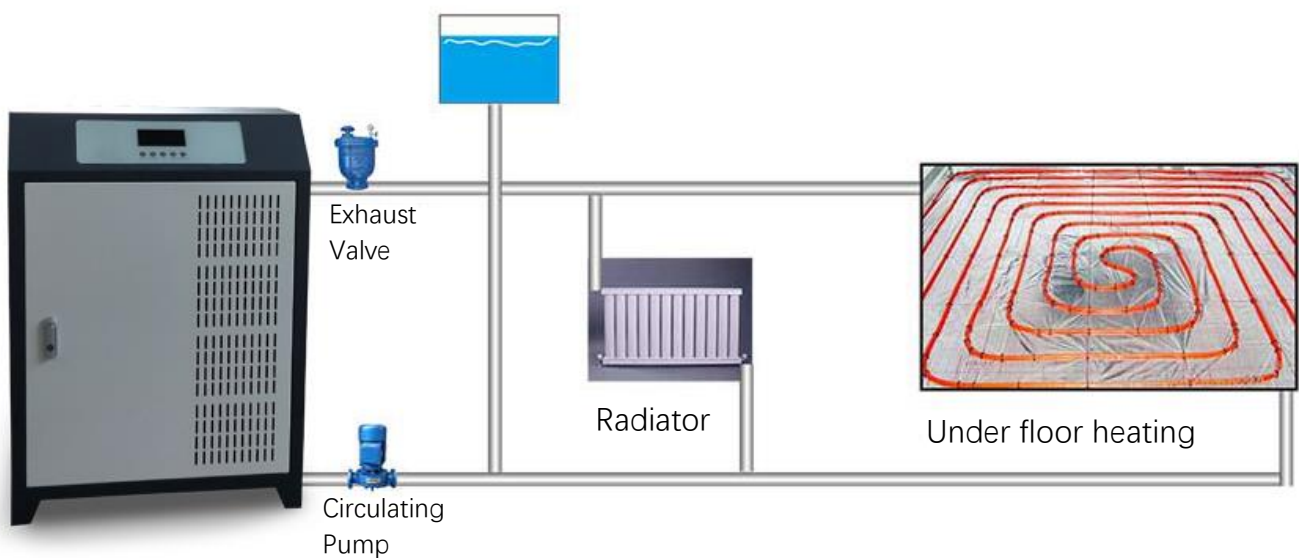
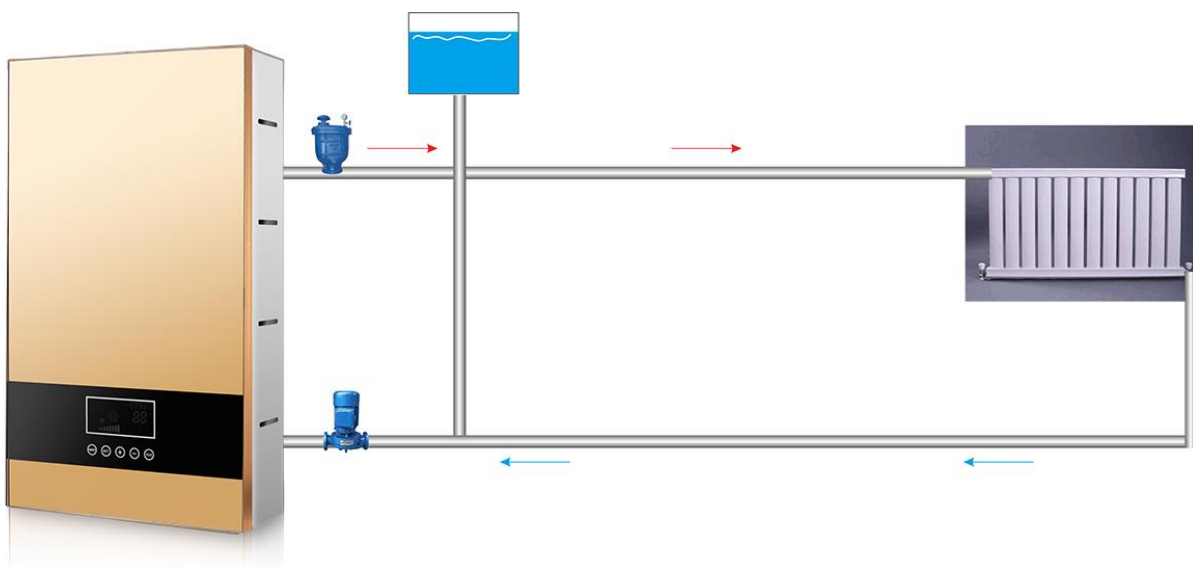


Suitable for both under floor and radiator heating

# Induction Boiler



- No flue required
- No fumes and no risk of explosion
- 100% efficient, fast heating
- Economic running costs
- Separate water with electric
- Little heat is lost in the process of heating the water



# Combined boiler

Heating + Hot water



This boiler available under floor / radiator heating and domestic hot water



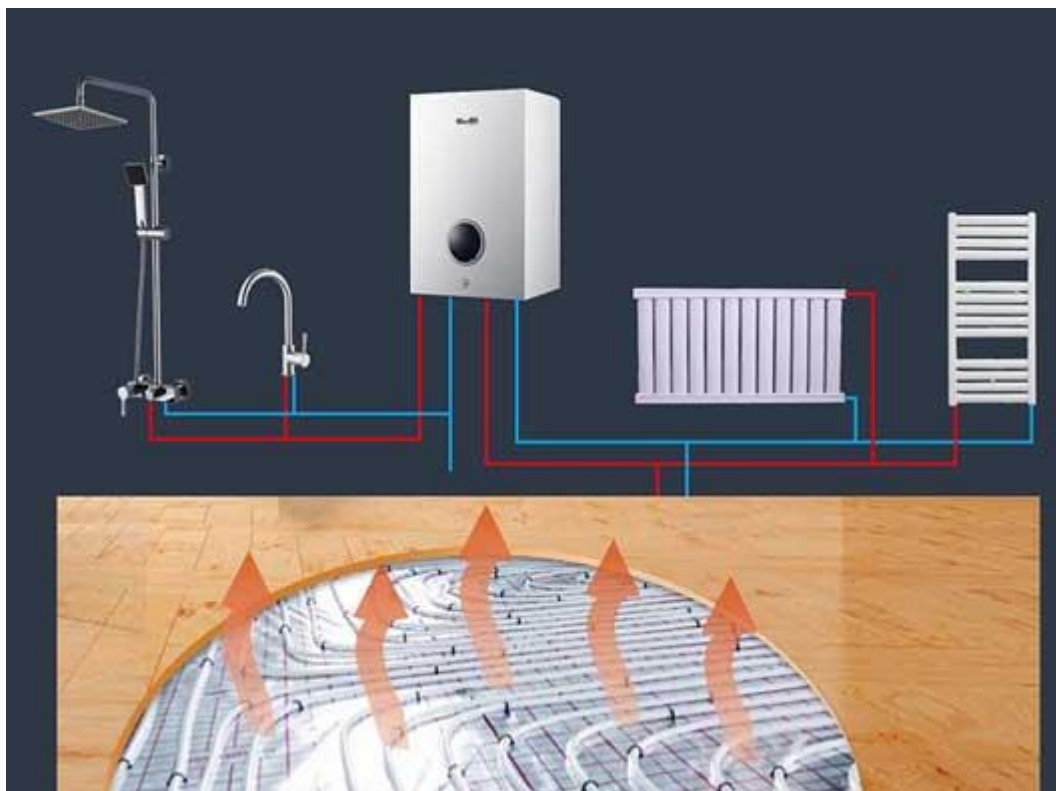
Model No. **NXB103S**



# Combined Boiler



## Central heating & Domestic hot water



Code	Voltage	Power	Dimensions / Weight
<a href="#">NXB103S-8</a>	180-260V	8KW	750*350*450mm / 28kg
<a href="#">NXB103S-10</a>	220V / 380V	10KW	750*350*450mm / 30kg
<a href="#">NXB103S-12</a>	220V / 380V	12KW	750*350*450mm / 35kg
<a href="#">NXB103S-16</a>	350-430V	16KW	750*350*450mm / 38kg



# Classic Boiler



Model No. **NXB103A**

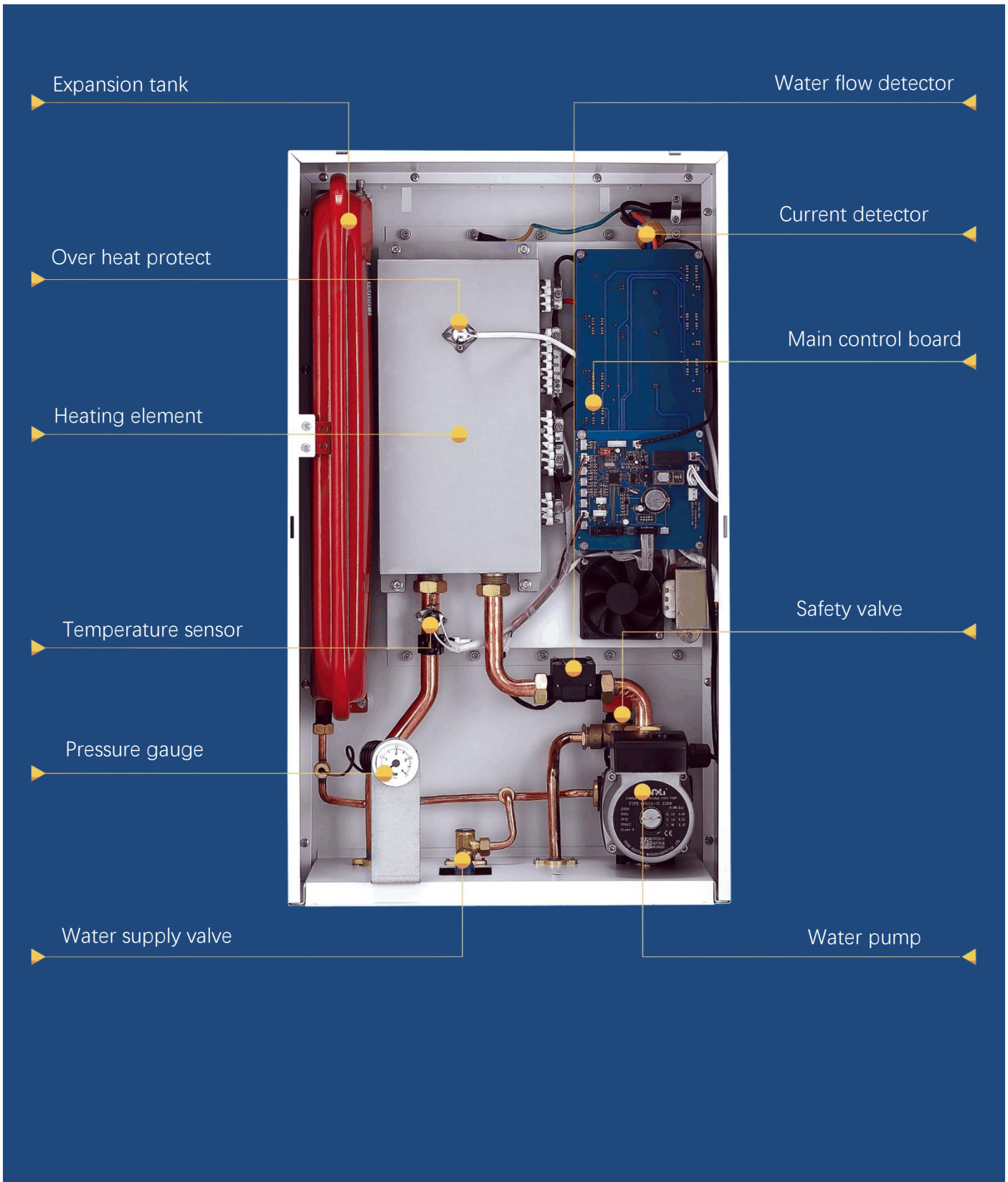


# Classic Boiler



## Product internal structure

This classic electric boiler easy to install.  
Main components are from Germany.  
Designed life span for 15 years.



# Classic Boiler

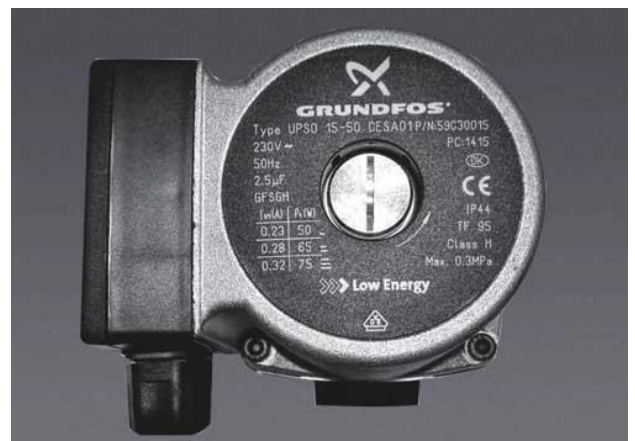
## NXB103A Series Boiler Parameters:

Code	Voltage	Power	Heating area	Dimensions / Weight
NXB103A-6	180-260V	6KW	40-80m <sup>2</sup>	380*220*600mm / 26kg
NXB103A-8	230V / 380V	8KW	60-100m <sup>2</sup>	380*220*60mm / 26kg
NXB103A-10	230V / 380V	10KW	80-120m <sup>2</sup>	410*220*700mm / 28kg
NXB103A-12	350-430V	12KW	100-150m <sup>2</sup>	410*220*700mm / 28kg
NXB103A-16	350-430V	16KW	120-180m <sup>2</sup>	410*220*700mm / 30kg



### Expansion Tank

The function of the expansion tank is to accommodate and compensate the expansion and contraction in the system. It is also used as a system water supply.

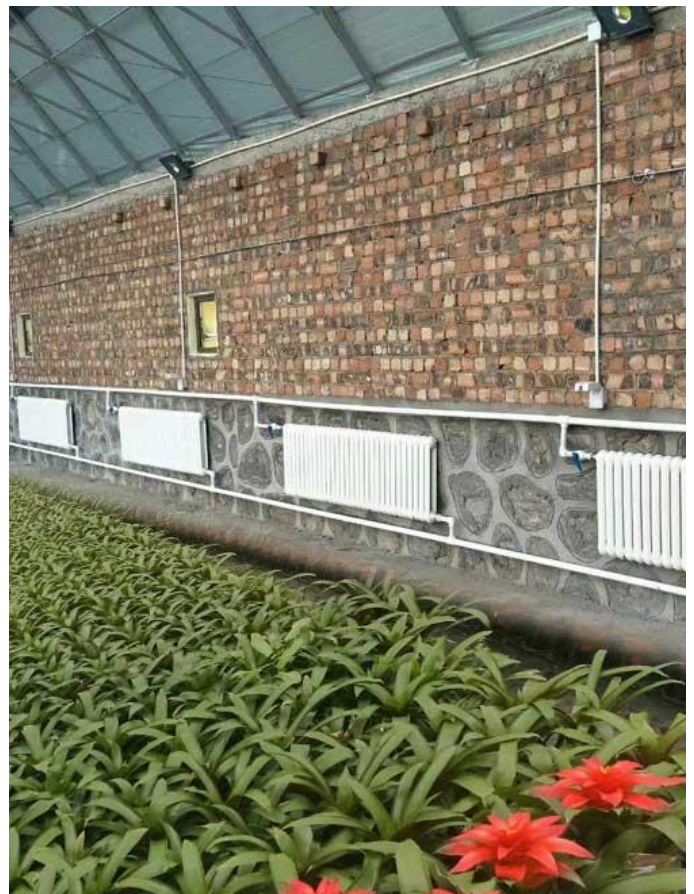
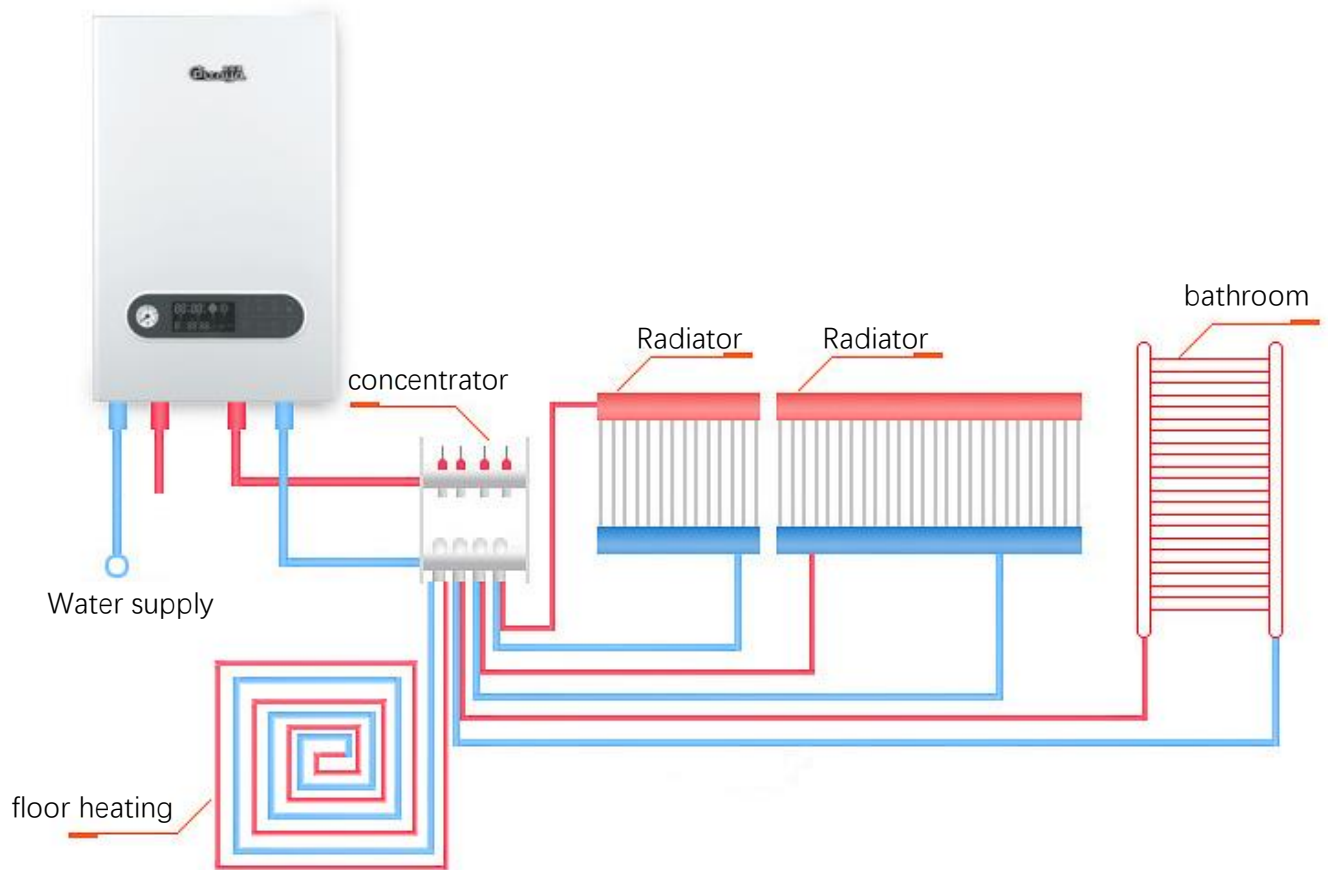


### Built in Water Pump

Grundfos brand shielded water pump. high quality and reliable.

# Classic Boiler

Installation for central heating:

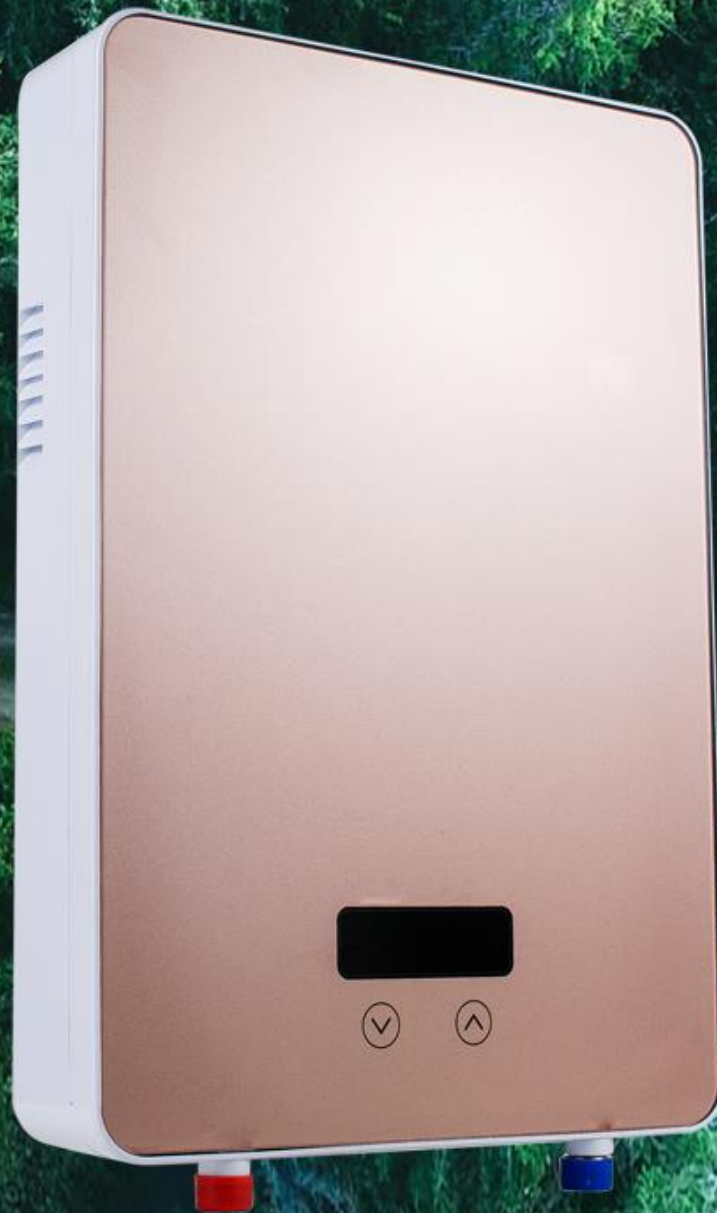




# Magnetic Induction

Instant water heater

NEW



Model No. RSQ-6-8



# Induction water heater



The magnetic induction water heater is fast hot water. Non-leakage sperate water and electric very safety. Non-flue needed easy for install. Compact size: 485\*310\*100mm. 100% efficient, Silent in operation. Adjustable controls to set water temperature.

Product Name:	Instant water heater
Model Number:	RSQ-6-8
Rated Voltage:	AC180-260V 50/60Hz
Rated Power:	6KW / 8KW
Input cable:	4mm <sup>2</sup> (6kw), 6mm <sup>2</sup> (8kw)
Current:	27A(6kw), 36A(8kw)
Hot water PH:	7.6-8.4PH
Pressure:	0.02-0.6MPa
Output water temperature:	30-55°C
Protection grade:	IPX4
Weight:	8kg
Dimensions:	485x310x100mm

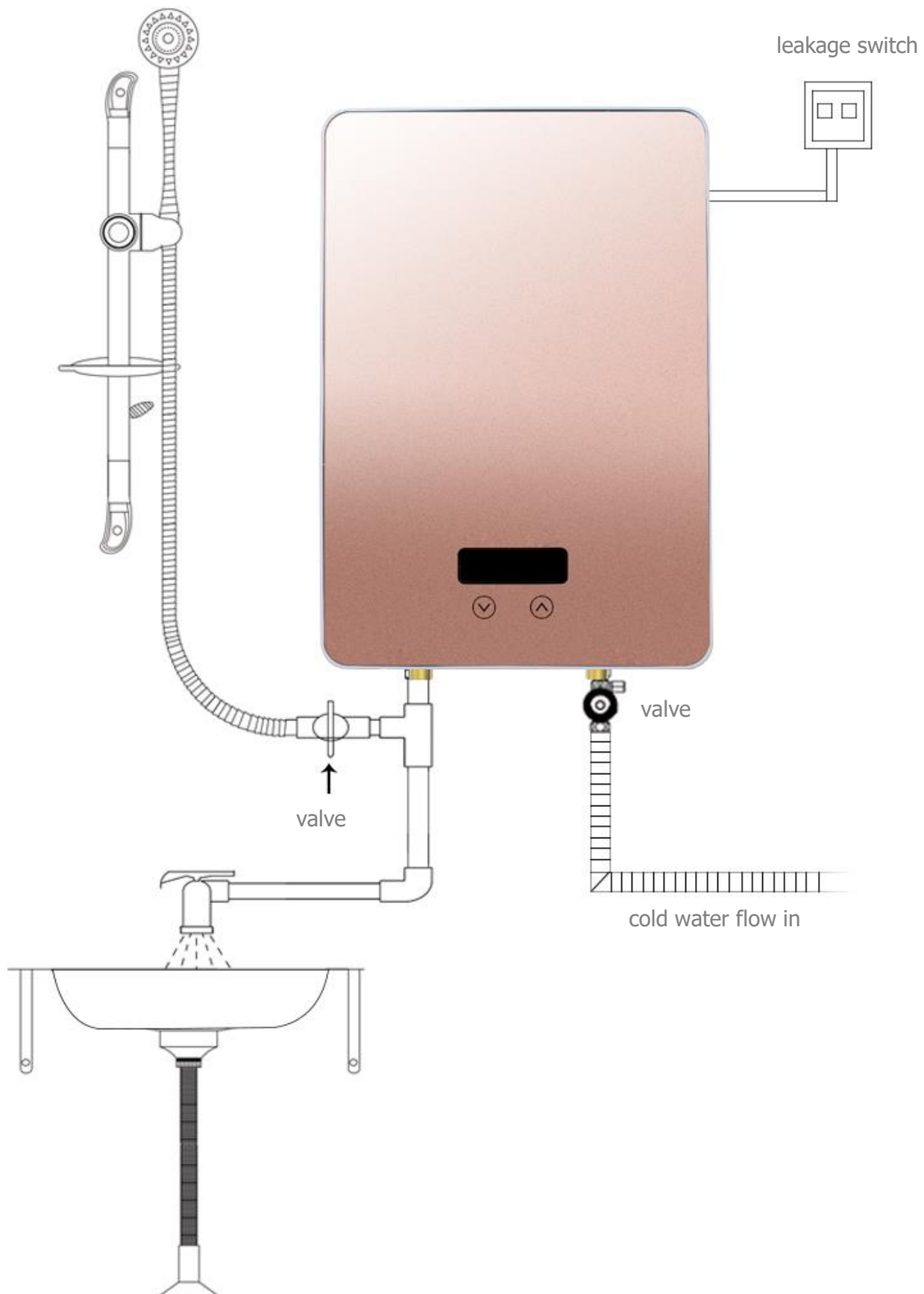
## Induction heating technology

adjustable water temperature 35°C~55°C





# Induction water heater



# Induction water heater



## Separate water/electric technology

Safety, environment-friendly, instant hot water. Suitable for home, hotel, shop etc.

Inside structure:



Installation accessories:



# Air water heater

heat pump hot water heater all in one

NEW

Electricity saving

COP=3.90



Model No. **A15FY-200/300**

# Air water heater

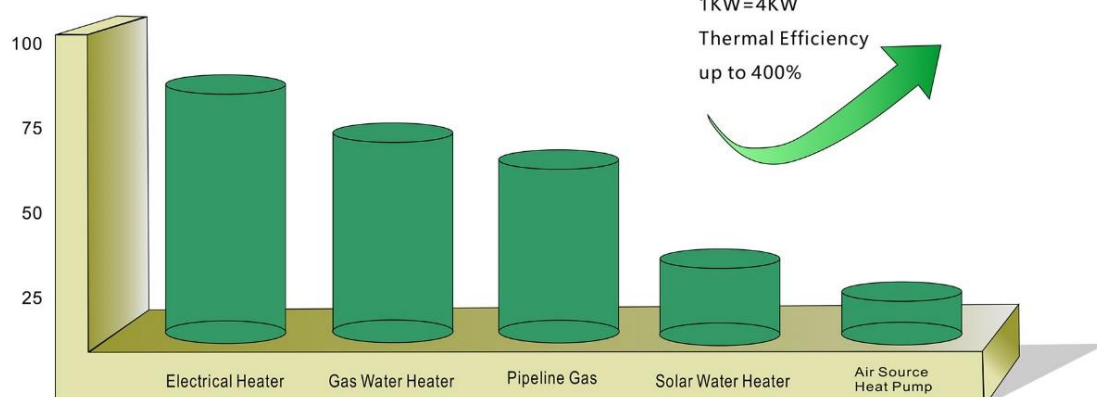


## Product internal structure

This air energy heat pump hot water heater all in one designed.  
It only the fan and heat pump consumption a little electricity.  
Progress hot water is from the natural air heating.



### Energy Cost Comparison



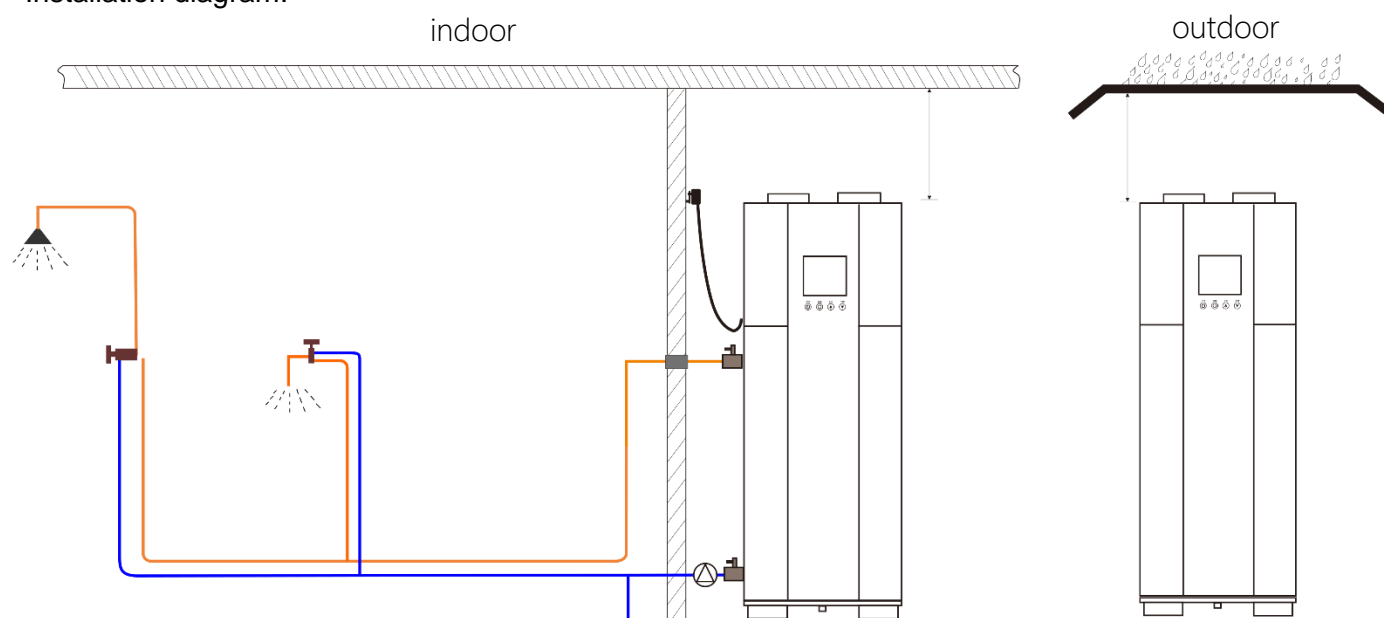
# Air water heater

## Heat pump hot water heater parameters:

Heating capacity at air 15°C/20°C, water temperature from 15°C to 55°C.

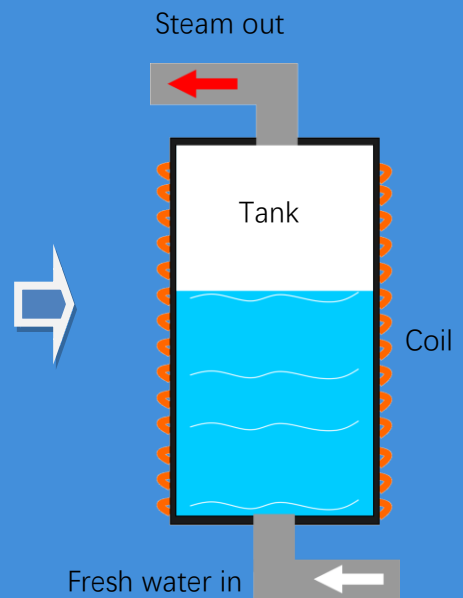
Model number:	A15FY-200	A15FY-300
Input voltage:	220-240V / 50Hz	220-240V / 50Hz
Rated power:	980W	1180W
Rated current:	4.5A	5.3A
Heating capacity:	3535W	5300W
Refrigerant:	R410	R410
Hot water capacity:	78L/H(55°C water)	115L/H(55°C water)
Water tank volume:	200L	300L
Noise:	48dB	48dB
Ambient temperature:	0~45°C	0~45°C
Protection grade:	Class I	Class I
Net weight:	67kg	73kg
Dimensions:	Ø560x1730mm	Ø630x1885mm

## Installation diagram:





# Induction Steam Boiler



# Steam Generator

## Electromagnetic steam boiler



### Product features

Electromagnetic induction heating, fast heat up, quickly output steam.

Separation of water and electricity, safety and reliable.

ECO-friendly, No waste emissions.

Automatic operation, over pressure auto release.

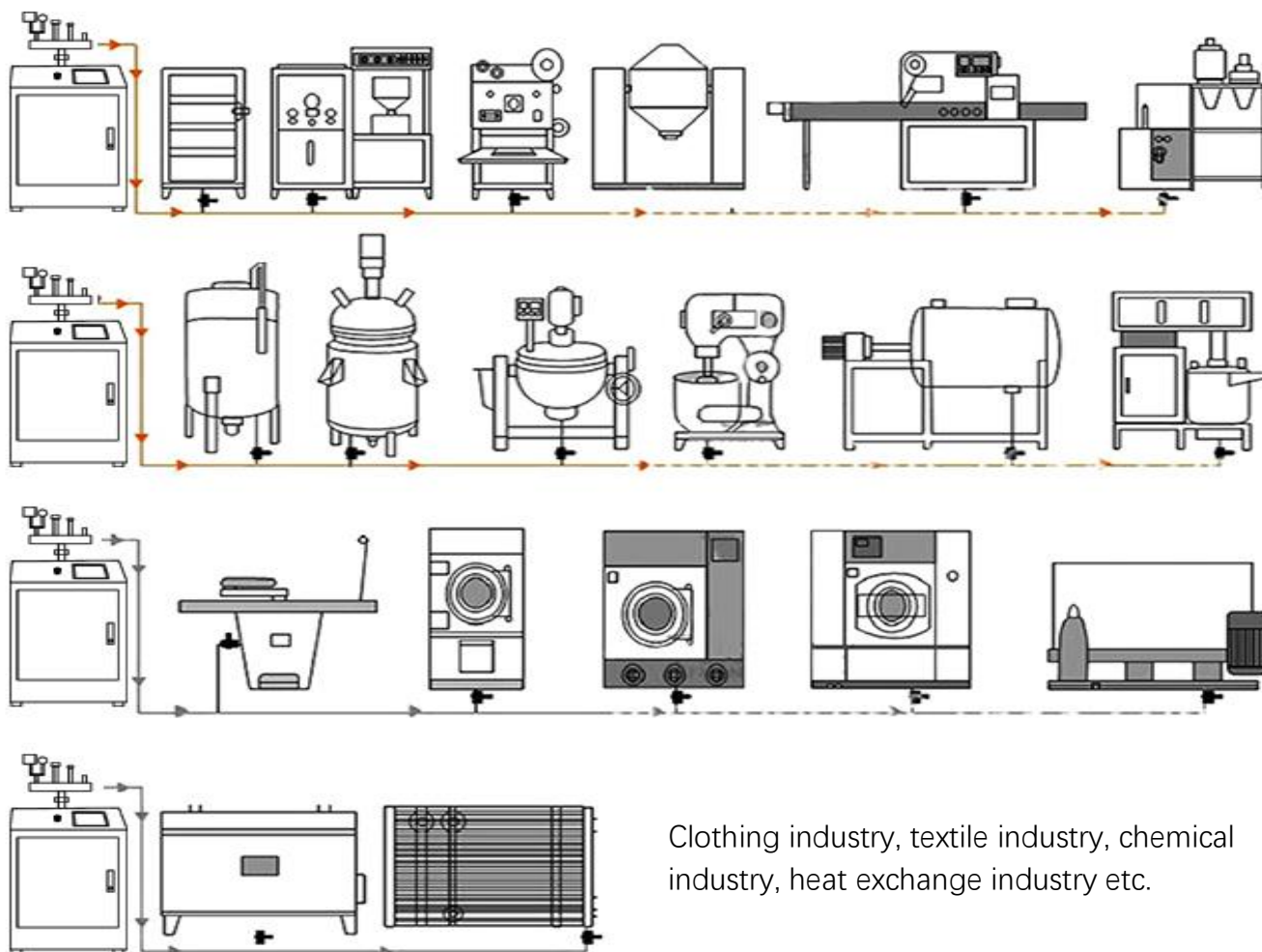
Replacement for gas, coal boiler.

# Steam Generator

## Parameters:

Code:	ZQL-8	ZQL-20	ZQL-40	ZQL-60
Voltage:	220-240V	380-450V	380-450V	380-450V
Power:	8KW	20KW	40KW	60KW
Current:	36A	30A	60A	90A
Capacity:	11KG/H	28KG/H	55KG/H	85KG/H
Pressure:	0-0.7MPa	0-0.7MPa	0-0.7MPa	0-0.7MPa
Temperature:	100-165°C	100-165°C	100-165°C	100-165°C
Net weight:	90kg	120kg	200kg	230kg
Dimensions:	48x52x80cm	51x82x120cm	56x85x130cm	56x85x130cm

**Applications:** this steam generator widely used for textile, biochemical, food machinery, washing and clearing, heat exchange and other industries.



# Hot air furnace



## Induction heating hot air

Clean working environment.

The heating rate is fast.

Easy to install and operate.

No emissions, no need to install exhaust pipes than burning gas, coal boiler.



# Hot air furnace

Product internal structure:





# Hot air furnace

## Parameters:

Code:	RFL-8	RFL-15	RFL-30	RFL-60
Voltage:	220-240V	380-450V	380-450V	380-450V
Power:	8KW	15KW	30KW	60KW
Current:	36A	23A	45A	90A
Hot air capacity:	1000m <sup>3</sup> /H	2000m <sup>3</sup> /H	3000m <sup>3</sup> /H	4000m <sup>3</sup> /H
Air pressure:	800-1000Pa	800-1000Pa	800-1000Pa	800-1000Pa
Temperature:	50-165°C	50-165°C	50-165°C	50-165°C
Net weight:	90kg	120kg	200kg	230kg
Dimensions:	60x33x100cm	60x33x100cm	85x40x110cm	90x50x130cm

**Applications:** this hot air furnace widely used for drying, farm, washing machinery, plant heating and other industries.

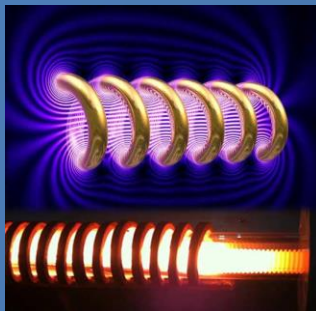


# Induction power supply

Frequency inverter

Induction generator

The induction power supply through the inductor coil generator frequency magnetic field, then placed the electrically conductive material object to the frequency magnetic field for hardening, forging, melting or purposed require heating temperature.



In the use of the induction heating process, success depends to a great degree on proper design of the inductions. inductors for high frequency induction heating, referred to heating coils. their designs must follow certain of max efficiency of the high frequency generator to be obtained.

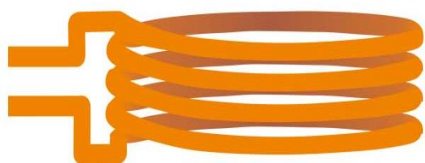


# Induction generator

## Parameters:

Code:	RZM-15	RZM-25	RZM-35	RZM-70
Voltage:	380-450V	380-450V	380-450V	380-450V
Power:	15KW	25KW	35KW	70KW
Current:	22.5A	37.5A	52.5A	105A
Frequency:	1-20kHz	1-20kHz	1-20kHz	1-20kHz
Net weight:	20kg	25kg	30kg	50kg
Dimensions:	52x26x43cm	52x26x43cm	52x26x43cm	62x30x65cm

## Inductor type:



Solenoid Coil



Pancake Coil



Channel Coil







Our Aims

Reliable Quality • Reasonable Price • Professional Service



# Contact Us

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