

After Sales Service  
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SME Joint After Sales Service Center



A New Choice in the 21<sup>st</sup> Century Heating Culture!

# **HANJIN ELECTRIC BOILER, WATER HEATER**



**Hanjin Boiler**

Heat Storage Type Small Capacity Stainless Steel

# Electric Water Heater

## Characteristics and Advantages



### Economy

More economical as it uses electricity instead of oil.



### Safety

Using electricity that is a clean fuel, it avoids explosion or gas poisoning accident, thus it is safe and convenient to use.



### Comfort

Using stainless steel as its inner material, it is sanitary, semi-permanent, and corrosion-resistant.



### Control of water temperature

As a function that may control the temperature according to user's preference, it enables to maintain constant temperature.



### Diversity

Depending on preference, the user can select from external stainless steel or colored steel sheet.



## Applications

Factory, gymnasium, home, school, hospital, boarding house, barber shop, beauty parlor, farm, church, health club, etc.

## Standard Specification

Division \ Model	HJSS-003	HJSS-006	HJSS-008	HJSS-010	HJSS-015	HJSS-020	HJSS-030	HJSS-035	HJSS-045	HJSS-050
Tank Capacity	30	60	80	100	150	200	300	350	450	500
Rated Consumption of Power	1.0	1.0	1.0	1.0	1.5	2.0	3.0	3.5	4.5	5.0
External Dimension (Dia x Height)	475x425	475x730	475x875	475x1090	475x1510	575x1290	675x1320	675x1510	775x1510	775x1580
Applicable No. of Person	1	1	2	2	3	4	6	7	9	10

※ Above-mentioned standard specification is subject to change for quality improvement, etc. without prior notice.

※ The applicable number of persons is subject to change depending on the use of heated water.

Heat Storage Type Large Capacity

# Electric Water Heater

## Characteristics and Advantages



### Large Capacity

Provides a large amount of heated water.



### Economy

More economical as it uses electricity instead of oil.



### Safety

Using electricity that is a clean fuel, it avoids explosion or gas poisoning accident, thus it is safe and convenient to use.



### Comfort

Using stainless steel as its inner material, it is sanitary, semi-permanent, and corrosion-resistant.



### Cleanliness of heated water

Provides clean and sanitary heated water in a convenient and pleasant manner.



## Applications

The facility requiring a large amount of heated water such as factory, gymnasium, home, inn, condominium, public bath, school, hospital, boarding house, barber shop, beauty parlor, farm, church, health club, etc.

## Special Specification

Division \ Model	HJSS-060	HJSS-080	HJSS-100	HJSS-100A	HJSS-110	HJSS-120	HJSS-150	HJSS-200	HJSS-250	HJSS-300	HJSS-360	HJSS-400	HJSS-500
Tank Capacity	600	800	1,000	1,000	1,100	1,200	1,500	2,000	2,500	3,000	3,500	4,000	5,000
Rated Consumption of Power	6.0	8.0	10	10	11	12	15	20	25	30	35	40	50
External Dimension (Dia x Height)	775x1900	875x1950	1050x1700	1000x1800	1050x1850	1050x1950	1050x2400	1200x2400	1400x2300	1400x2650	1650x2300	1650x2600	1650x3000
Thickness of inner tank	2-6t	3-6t	3-6t	3-6t	3-6t	3-6t	3-6t	3-6t	4-7t	4-7t	5-8t	5-8t	5-8t

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※ Please select the capacity suitable for the consumption of heated water.

※ In case of using underground water or installing it near the coast, please consult with us for the material of inner tank. We don't guarantee any defect (leakage of inner tank due to corrosion) that occurs in case we were not consulted prior to installation.



Heat Storage Type

Enameled

# Electric Water Heater

## Characteristics and Advantages



### Comfort

Excellent function of anode bar in anti-corrosion and purification



### Safety

Avoiding corrosion and leakage by using inorganic glass glaze coating  
(Within the operating pressure of 10kg/cm<sup>2</sup>)



### Convenience

Triple over-heat  
preventing system

Triple safety device such as automatic temperature control, over-temperature prevention, and safety valve is built in, thus ensuring the safety of use.



### Diversity

Function of perfect thermostat (Hardened Polyurethane Foam)

## Standard Specification

Division \ Model	HJSS-014E	HJSS-020E	HJSS-030E	HJSS-043E	HJSS-050E	HJSS-100E
Tank Capacity	140	200	300	430	500	1000
Rated Consumption of Power	1.4	2.0	3.0	4.3	5.0	10.0
External Dimension (Dia. x Height)	464x1215	564x1240	564x1678	730x1518	730x1690	880x2200
Applicable No. of Person	2	4	6	8	10	20

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※ The applicable number of persons is subject to change depending on the use of heated water.



# Electric Boiler General / Industrial Electricity

## Characteristics and Advantages

- 01 Provides best convenience
- 02 Adopts best safety device
- 03 Economical compared with oil boiler
- 04 Guarantees best efficiency, comfort, and durability

## Standard Specification

Division \ Model	Tank Capacity (L)	External Dimension (Cylinder type) (ØxH)	Heating Area (pyeong)	Rated Consumption of Electricity (Kw)	Heat Receiving Hole (A)	Heated Water Receiving Hole (A)	Caloric Value (Kcal/h)
HJPB-10	300	675x1390	20~30	10	32	20	8,600
HJPB-15	300	675x1390	30~40	15	32	20	12,900
HJPB-20	300	675x1390	40~50	20	32	20	17,200
HJPB-30	300	675x1390	50~80	30	32	20	25,800
HJPB-40	500	775x1580	80~100	40	32	20	34,400
HJPB-50	500	775x1580	100~120	50	32	20	43,000

※ Heating purpose and Water heating purpose can be selected by the user at option.

※ Specification and function on catalog is subject to change in part for the improvement of product quality.

※ Large capacity for industrial use (50Kw or more) is order-made.



## Applications

General use, industrial use, education use, agricultural use, factory, boarding house, office, restaurant, pig farm, chicken farm, fish farm, agricultural products farm.

Heat Storage Type

Cylinder Type

# Electric Boiler

## Characteristics and Advantages



### Economy

Heat Storage Type Electric boiler is the heating method in such a manner of heating the water up to 90 degree Celsius and keeping it in the container that functions to insulate for further use.



### Safety

Avoids the risk of fire, explosion, exhaust gas, etc. (Function of overheat prevention, low water level interruption, electric leakage interruption)



### Comfort

It uses electricity to heat water resulting in non-occurrence of smoke, ash, or noise during combustion, thus enabling users to use it comfortably for everyday life.



### Convenience

There is no element of conflict or anxiety by fuel storage, charge, leakage, etc. at all. Heating can be automatically operated, thus eliminating the need for separate manipulation in case the user leaves home.

## Standard Specification

Model	Division	Tank Capacity (L)	Rated Consumption of Power (Kw)	Heat Storage Tank		External dimension		Heated area (pyeong)	Heater combination
				Diameter (mm)	Height (mm)	Diameter (mm)	Height (mm)		
HJOB-110		1100	12	Ø1140	1240	Ø1240	1266	15	12Kw x1
HJOB-130		1300	15	Ø1140	1455	Ø1240	1481	17	15Kw x1
HJOB-150		1500	17	Ø1140	1520	Ø1240	1620	20	17Kw x1
HJOB-160		1600	18	Ø1140	1750	Ø1240	1776	21	9Kw x2
HJOB-180		1800	20	Ø1140	1824	Ø1240	1924	24	10Kw x2
HJOB-200		2000	22	Ø1140	2020	Ø1240	2120	26	11Kw x2
HJOB-210		2100	24	Ø1350	1590	Ø1430	1616	28	12Kw x2
HJOB-230		2300	26	Ø1350	1730	Ø1430	1756	30	13Kw x2
HJOB-250		2500	28	Ø1350	1870	Ø1430	1896	33	14Kw x2
HJOB-270		2700	30	Ø1350	2010	Ø1430	2036	36	15Kw x2

※ Above-mentioned standard specification is subject to change for quality improvement, etc. without prior notice. ※ Heated areas may vary depending on the housing structure or insulation type.



## Applications

Detached house, Multiplex housing, Temple, Islands/ Mountainous area, Duplex house, Apartment, Hospital, Office, Gym, Factory, Theater, Precision Machinery Plant, Pharmaceutical company, Exhibition Center, School, Computer Room, Office, Rural Housing, etc.

Heat Storage Type

Square type

# Electric Boiler

## Standard Specification

Model	Water Heat Storage Automatic Control Method/Max. Operating Pressure 1 kg/cm <sup>2</sup>									
	HJSB-050	HJSB-080	HJSB-090	HJSB-100	HJSB-120	HJSB-150	HJSB-180	HJSB-200	HJSB-250	HJSB-270
Tank Capacity (L)	500	800	900	1,000	1,200	1,500	1,800	2,000	2,500	2,700
Rated Consumption of Electricity (Kw/h)	6	9	10	11	13	17	20	22	28	30
External Dimension (WxLxH) (mm)	700 x 800 x 1350	700 x 1200 x 1350	710 x 1320 x 1350	710 x 1320 x 1500	710 x 1300 x 1800	710 x 1600 x 1800	710 x 1800 x 1900	710 x 1920 x 1950	920 x 1800 x 1950	920 x 1920 x 1970
Heated Area (pyeong)	6	10	11	13	15	20	24	26	33	36

※ Above-mentioned standard specification is subject to change for quality improvement, etc. without prior notice.  
 ※ Heated areas may vary depending on the housing structure or insulation type.





# Electric Water Boiling Equipment

## Characteristics and Advantages



### Economy

Hanjin Water Boiling Equipment that pursues a perfect product is the semi-permanent stainless steel product that is highly economical as it saves energy by producing and storing drinking water required for a day by using electricity.



### Cleanliness

Lasts semi-permanently as it is made of stainless steel. Made of high-class anti-corrosive stainless steel with excellent interior effect, it enables people to use clean water at all times semi-permanently. As it contains barley tea mesh inside the equipment, it enables people to put barley, green tea bag, etc. for making tea.

## Standard Specification

Division \ Model	HJSW-003	HJSW-006	HJSW-008	HJSW-018	HJSW-026	HJSW-034	HJSW-042
Tank Capacity	30	60	80	180	260	340	420
Rated Consumption of Electricity	1.5	1.5	1.5	2.2	3.2	4.2	5.0
External Dimension (Dia. x Height)	475x620	475x800	475x910	575x1190	675x1250	675x1480	775x1510
Applicable No. of Person	120	240	320	720	1040	1360	1680

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※ The applicable number of persons is subject to change depending on the use of heated water.



## Applications

Restaurant, Public Office, Hospital, School, Home, Health Club, Gym, etc.

# Electric Ondol

## Characteristics and Advantages



### Economy

Eliminates the need for a boiler room, thus realizing space-saving effect.



### Safety

As it is designed in a double safety system, it has no risk of explosion by fire, hazardous gas or freeze & rupture.



### Comfort

Non-combustion; Non-occurrence of smoke, smell, ash, or noise at all; Provides indoor temperature by body heights.



### Convenience

No need to store or replace fuel; Temperature can be controlled freely in each room.

## Applications

General detached house, newly built/remodeled apartment, duplex house, one-room house, temple, boarding house, children's play room, kindergarten, church, officetel, etc.



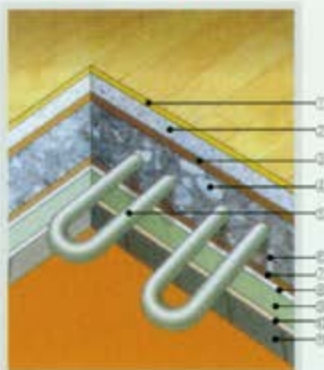
## What is Heat Storage Type Electric Ondol?

This is a convenient heating equipment operated in such a manner that when power is made as input to the heating source (Sheath Heater) and heat is generated, such heat is stored between the heat storage layer (gravel) which is slowly radiated during the day time zone, resulting in high heat efficiency and semi-permanent comfortable heating.

## Specification

- Consumption of power per pyeong: 220V/800W per pyeong/h ±5%
- Product length: 1.0-3.0m per EA
- Lead-in wire used for connecting to heat-generating heater should be 5.5mm<sup>2</sup> or more
- Connecting method: In principle, the area should be connected with lead soldering or sleeve compression and then treated with insulated rubber tape

## Structure of electric Ondol



## Title and Specification

No	Division	Material	Dimension	Remark
1	Flooring	Marble, Flooring		
2	Radiating	Cement Mortar	30-40	Peeling
3	Temperature-protected Layer	Temperature protecting thick cloth	10	Cover
4	Heat Storage Layer (Upper)	Gravel	40-60	
5	Heating Element	Sheath Heater		
6	Heat Storage Layer (Lower)	Gravel	80-100	
7	Temperature-protected Layer	Temperature protecting thick cloth	10	Cover
8	Insulating Layer	Alum	5	Waterproofing
9	Insulating Layer	Compressed Styrofoam	30	
10	Moisture-proofing	Vinyl	0.05	Poly-film
11	Floor	Concrete Slab		Existing
Total		205-255mm		

※ Above-mentioned standard specification is subject to change for quality improvement, etc. without prior notice.

INNOBIZ

Venture for  
Tomorrow



K-mark Approved  
Electric Water Heater



Quality recognition/  
After sales service  
Hoseo Univ. & Industry Safety  
Technology Research Center



ISO 14001 Certified



KTL SD07031-1001

Electrical Appliance  
Safety Certification  
(KTL)



Performance (Defect)  
Warranty Insurance  
50 Million Won Seoul  
Guarantee Insurance Compan



Commercial General  
Liabilities  
Cheil Fire and Insurance  
Co. Ltd.

## Instruction for purchaser/user of the product (For more details, please consult with our representative)

- **Warranty Card/Operation Instruction** : Product is delivered together with Warranty Card/Operation Instruction. When purchasing, please state the required information and keep it without fail.
- **Piping work** : To implement the piping work, please secure the durability of the function of water heating system and use genuine parts.
- **Water quality** : In case of water containing large amounts of salt, lime powder, or any other impurities, etc., don't use the water heating system unless the water purification system or ion-exchanging device is accompanied. Depending on the quality of water, the life of tank, heater, Pressure reducing valve, Safety valve, etc. can be shortened than normal case. Especially, in case of underground water, hot spring water, well water, etc. we can guarantee the normal life. (When any incompliant matter occurs, we are not responsible for repairing or replacing it free of charge.)
- **When the equipment is idle for a long time** : When it is left for one month or longer without operation, remove water from the tank under the guidance of an engineer.
- **Checking of parts** : Lift the manual lever at Safety valve of the heater once a month to check if it drains properly. Check if water is leaked from pressure-reducing check valve. This part is a type of consumables. Therefore, immediately replace it if it is found degraded as result of checking.
- **Routine Checking System** : Electric water heater and boiler are used at high temperatures, thus it requires routine checking by a professional so that it can be used safely and comfortably.

## Caution on Safety

- Please read the Caution on Safety carefully before use and use it in a proper and safe manner.
- Don't use it after remodeling it at the user's option. It may result in malfunction or accident.
- The product may have descaled within the tank when it is used for a long time. Water quality is subject to change due to degradation of piping material. Don't use it as drinking water.
- Check the operation of ground leakage breaker. When ground leakage occurs due to malfunction, it may result in electric shock.
- Be sure to check if grounding is properly done. When ground leakage occurs due to malfunction, it may result in electric shock. When implementing grounding work, request it to a representative without fail.
- For pressure reducing valve, safety valve, etc., use only genuine parts. Otherwise, it may result in malfunction or accident.
- Don't place any inflammables such as gases, etc. near the electric water heater or boiler. It may result in combustion.
- Please set up the measure of preventing freeze. It may result in the rupture of piping.
- Please check if the floor is properly treated with water-proofing and drainage. When leakage occurs, it may result in greater damage.

## ★ How to check electric water heater and boiler when using it for a long time!

Isn't there  
any symptom  
like this?

- If water leaks from safety valve except during operation,
- If water leaks from the piping of main body,
- If ground leakage breaker is 'off' automatically
- If there is any defect or failure



Stoppage of  
Operation

When it is failed, please turn off the power source breaker to prevent accident, close the exclusive valve, and then consult with the representative office. For the expense required for checking and repair, please consult with the shop.

※ This catalog is subject change without prior notice. Printed color may vary from the actual product.



**Hanjin Boiler**

434-182 Oryu-dong, Seo-gu, Incheon (404-300)  
TEL: 82-32-657-7147 FAX: 82-32-567-7189  
[www.hanjinboiler.net](http://www.hanjinboiler.net)

For product inquiry and service request, please consult with the address below;



# NEO SOO (magnetic water softener)



Magnetic water treatment is a method of reducing negative effects of hard water by passing it through a magnetic field as a non-chemical alternative to water softening. Especially **NEO SOO** makes softener whole water by connecting to the water meter.

## Advantages of NEO SOO

- ▶ Don't need to change filters
- ▶ Prevent drawing rust and scale
- ▶ Don't occur secondary public nuisance by using chemical treatment
- ▶ Compact size but far-reaching effects

## Effects

- ▶ **Beauty**  
Reducing residual chlorine, conserving Vitamin C, increasing washing effect, soaking up more moisture
- ▶ **Cleansing & Bleaching**  
High detergency with little detergent
- ▶ **Washing food**  
Decomposition of pesticide residues, maintenance of freshness by sterilization effect
- ▶ **Sterilization & Deodorization**  
Removing putrefactive bacteria, reducing scale and stink in the restroom
- ▶ **Treatments of skin disease and germ disease**  
Sterilizing effect for atopic disease, athlete's foot, urticaria, eczema, acne
- ▶ **Animal-friendly**  
Reducing the risk of infection like skin disease and disease germ
- ▶ **Efficient cultivation of farm products**  
Improvement in farm productivity, Increasing resistance to blight



▲ Case of installation

# Agricultural Dryer



▲ Agricultural Dryer

This machine makes agricultural products dry rapidly with electricity, which is available at low electrical capacity, and can complete natural drying products with the optimal heat transfer system.



▲ Design Drawing



▲ Dashboard

## Advantage

- Low temperature dehumidification using heat pump method
- Inverter mode
- Closed circulation structure
- Refrigeration function
- Evenly-dried board
- 70% less electricity than a hot blast dryer
- It reduces drying time and the moisture content of dried products is high