



Storage Electric Water Heater DOUBLE TANKS SERIES

USER MANUAL

D30-15ED6
D50-15ED6
D80-15ED6
D100-15ED6

Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement. Consult with your dealer or manufacturer for details. The diagram above is just for reference. Please take the appearance of the actual product as the standard.

LANGUAGES

EN	English
IT	Italian
PT	Portuguese
PL	Polish

THANK YOU LETTER

Thank you for choosing Midea! Before using your new Midea product, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers in a safe way.

EN

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SAFETY INSTRUCTIONS

Intended Use

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. Please check the packaging and appliance on arrival to make sure everything is intact to ensure safe operation. If you find any damage, please contact the retailer or dealer. Please note modifications or alterations to the appliance are not allowed for your safety concern. Unintended use may cause hazards and loss of warranty claims.

EN

Explanation of Symbols



Danger

This symbol indicates that there are dangers to the life and health of persons due to extremely flammable gas.



Warning of electrical voltage

This symbol indicates that there is a danger to life and health of persons due to voltage.



Attention

The signal word indicates a hazard with a medium level of risk which, if not avoided, may result in death or serious injury.



Caution

The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.



Note

The signal word indicates important information (e.g. damage to property), but not danger.



Observe instructions

This symbol indicates that a service technician should only operate and maintain this appliance in accordance with the operating instructions.

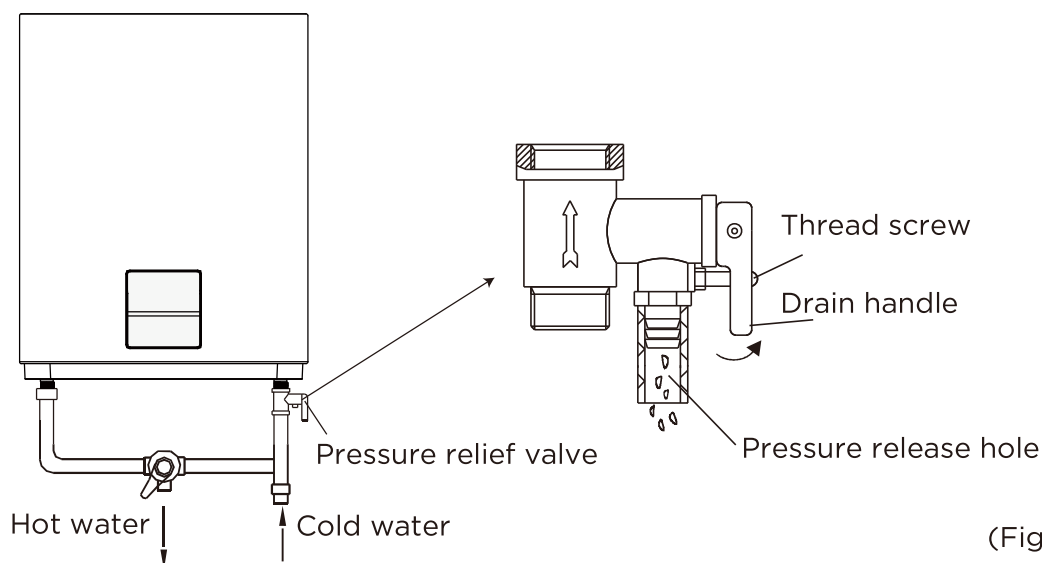
Read these operating instructions carefully and attentively before using/commissioning the unit and keep them in the immediate vicinity of the installation site or unit for later use!

⚠ Attention: Risk of injury!

Before installing this water heater, check and confirm that the earthing on the supply socket is reliably grounded. Otherwise, the electrical water heater can not be installed and used. Do not use extension boards. Incorrect installation and use of this electrical water heater may result in serious injuries and loss of property.

Special Cautions

- The supply socket must be earthed reliably. The rated current of the socket shall not be lower than 10A. The socket and plug shall be kept dry to prevent electrical leakage.
- The installation height of the supply socket shall not be lower than 1.8m.
- The wall in which the electrical water heater is installed shall be able to bear the load more than two times of the heater filled fully with water without distortion and cracks. Otherwise, other strengthening measures shall be adopted.
- The pressure relief valve attached with the heater must be installed at the cold water inlet of this heater (see Fig.1), and make sure it is not exposed in the foggy. The water may be outflowed from pressure relief valve, so the outflow pipe must open wide in the air; The pressure relief valve need to be checked and cleaned regularly, so as to make sure it will not be blocked.



- When using the heater for the first time (or the first use after maintenance), the heater can not be switched on until it has been filled fully with water. When filling the water, at least one of the outlet valves at the outlet of the heater must be opened to exhaust the air. This valve can be closed after the heater has been filled fully with water.
- The water heater is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the heater.
- During heating, there may be drops of water dripping from the pressure release hole of the multifunction valves. This is a normal phenomenon. If there is a large amount of water leak, please contact customer care center for repair. This pressure release hole shall, under no circumstances, be blocked; otherwise, the heater may be damaged, even resulting in accidents.

- The drainage pipe connected to the pressure release hole must be kept sloping downwards.
- Since the water temperature inside the heater can reach up to 75°C, the hot water must not be exposed to human bodies when it is initially used. Adjust the water temperature to a suitable temperature to avoid scalding.
- If the flexible power supply cord is damaged, the special supply cord provided by the manufacturer must be selected, and replaced by the professional maintenance personnel.
- If any parts and components of this electrical water heater are damaged please contact customer care center for repair.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The maximum inlet water pressure is 0.5MPa; the minimum inlet water pressure is 0.1MPa, if this is necessary for the correct operation of the appliance.
- The water may drip from the discharge pipe of the pressure-relief device and that this pipe must be left open to the atmosphere; The pressure-relief device is to be operated regularly to remove lime deposits and to verify that it is not blocked.
- In order to drain away the water inside the inner container, it can be drained away from the pressure release valve. Twist the thread screw of the pressure release valve off, and lift the drain handle upwards.(See Fig.1) A discharge pipe connected to the pressure-relief device is to be installed in a continuously downward direction and in a frost-free environment.

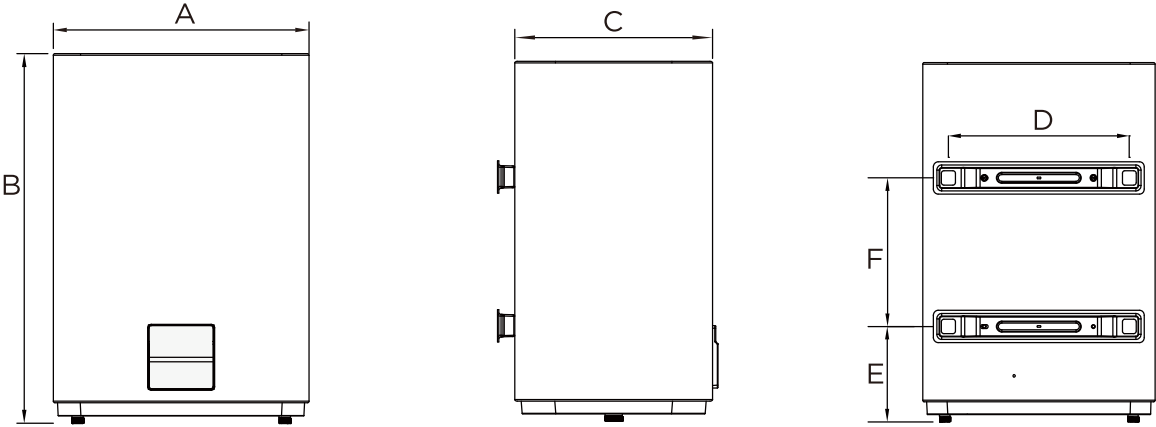
SPECIFICATIONS

Product Model	D30-15ED6	D50-15ED6	D80-15ED6	D100-15ED6
Volume(L)	27	47	74	93
Rated Power(W)	1500	1500	1500	1500
Rated Voltage(ACV)	220-240V~	220-240V~	220-240V~	220-240V~
Rated Pressure(MPa)	0.8	0.8	0.8	0.8
Max Of WaterTemperature(°C)	75	75	75	75
Protection Class	I	I	I	I
Water Proof Class	IPX4	IPX4	IPX4	IPX4

PRODUCT OVERVIEW

Product

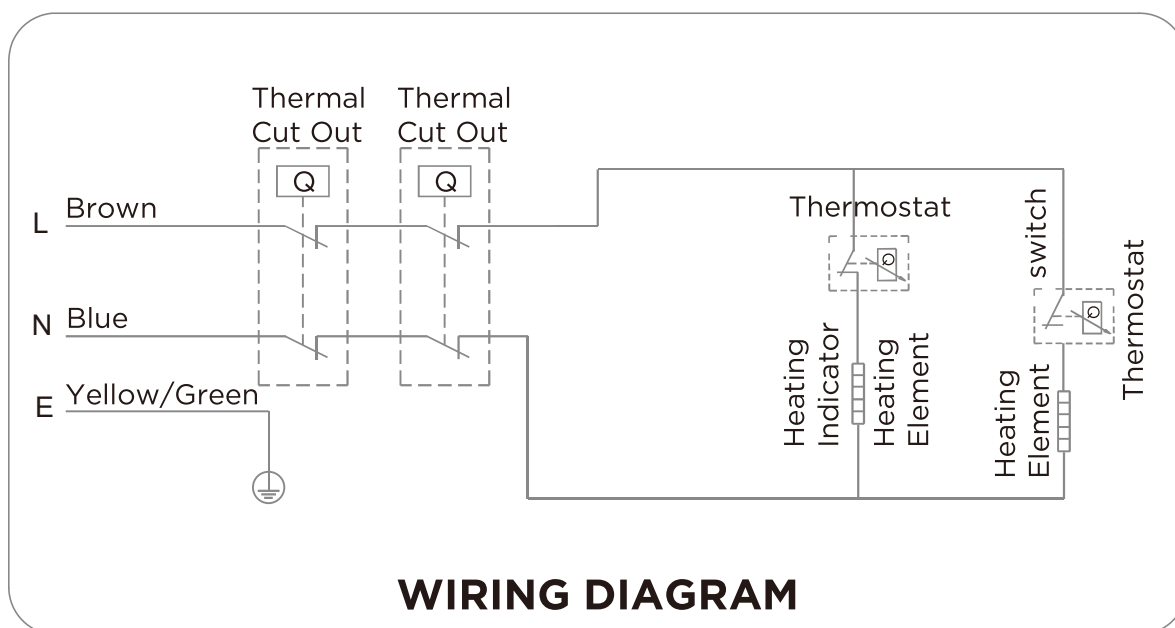
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	27L	47L	74L	93L
A	469	469	569	569
B	589	875	902	1087
C	245	245	295	295
D	365	365	485	485
E	183	183	265	265
F	302	470	365	550

(Note:All dimensions are in mm)

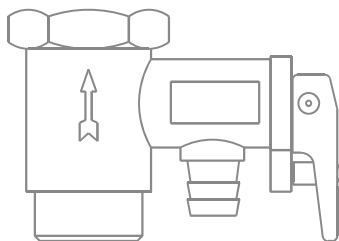
Internal Wire Diagram



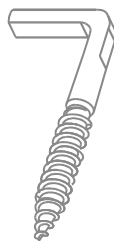
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Accessories

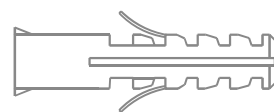
Safety valve × 1



Wall hanging screw × 2



Plastic expansion pipe × 2



QUICK START GUIDE

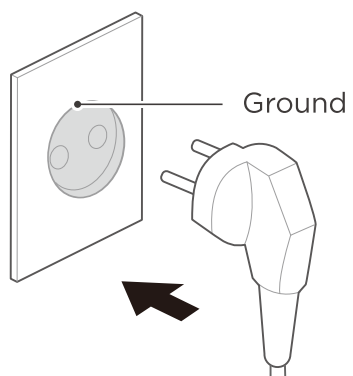
Before First Use

CAUTION

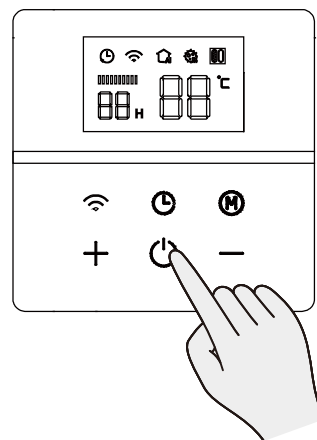
Fill the inner tank with water before use.

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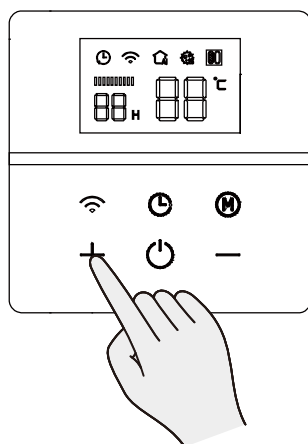
1. Plug in



2. Startup of electric water heater.



3. Setting of water inlet of electric water heater.



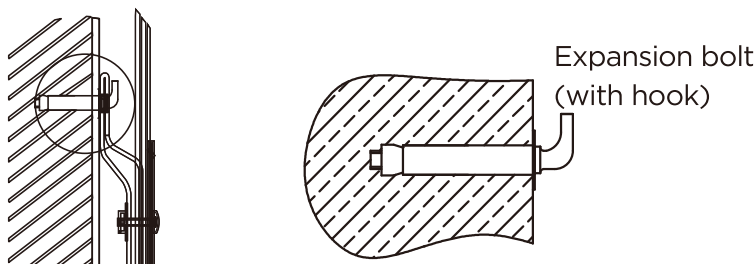
4. Open the water outlet valve, you can use hot water.

PRODUCT INSTALLATION

Installation Instruction

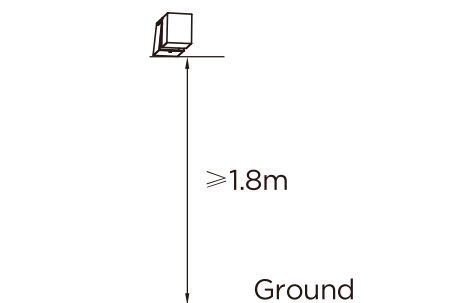
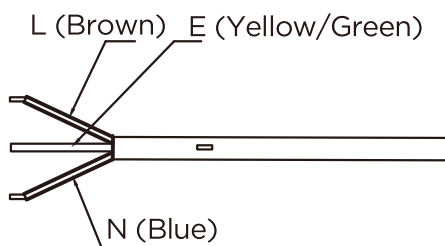
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1. This electrical water heater shall be installed on a solid wall. If the strength of the wall cannot bear the load equal to two times of the total weight of the heater filled fully with water, it is then necessary to install a special support.
In case of hollow bricks wall, ensure to fill it with cement concrete completely.
2. After selecting a proper location, determine the positions of the two install holes used for expansion bolts with hook. Make two holes in the wall with the corresponding depth by using a chopping bit with the size matching the expansion bolts attached with the machine, insert the screws, make the hook upwards, tighten the nuts to fix firmly, and then hang the electrical water heater on it (see Fig.2).



(Fig.2)

3. Install the supply socket in the wall. The requirements for the socket are as follows: 250V/10A, single phase, three electrodes. It is recommended to place the socket on the right above the heater. The height of the socket to the ground shall not be less than 1.8m (see Fig.3). If there is a fault on the power cable, it should be replaced by the manufacturer, agencies or qualified person who is able to do this so as to ensure the safety.



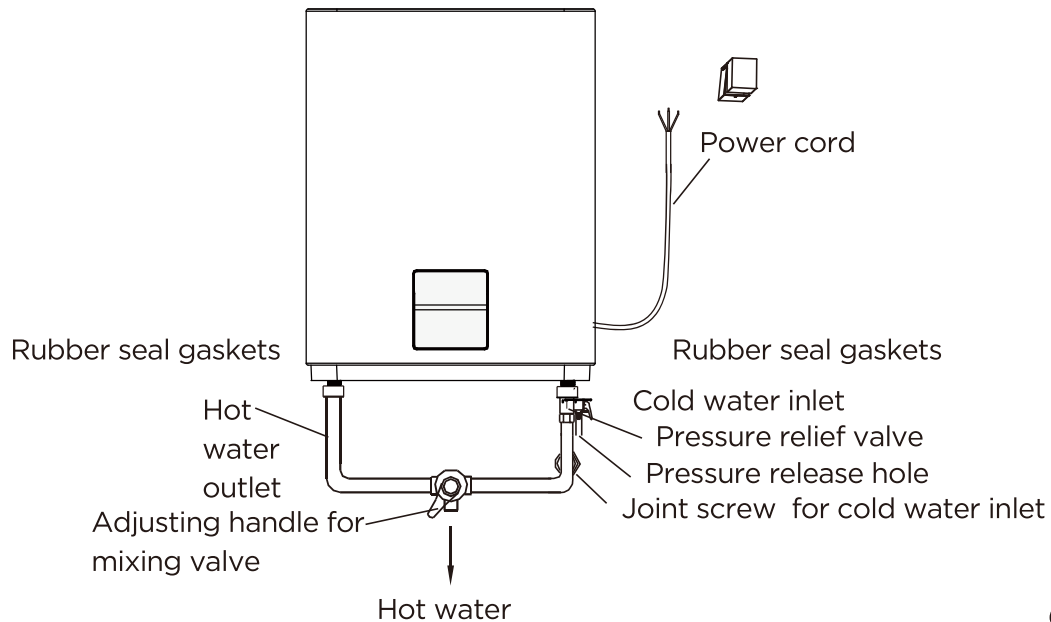
(Fig.3)

4. If the bathroom is too small, the heater can be installed at another place. However, in order to reduce the pipeline heat losses, the installation position of the heater shall be as close to the location as possible to the heater.

Pipelines Connection

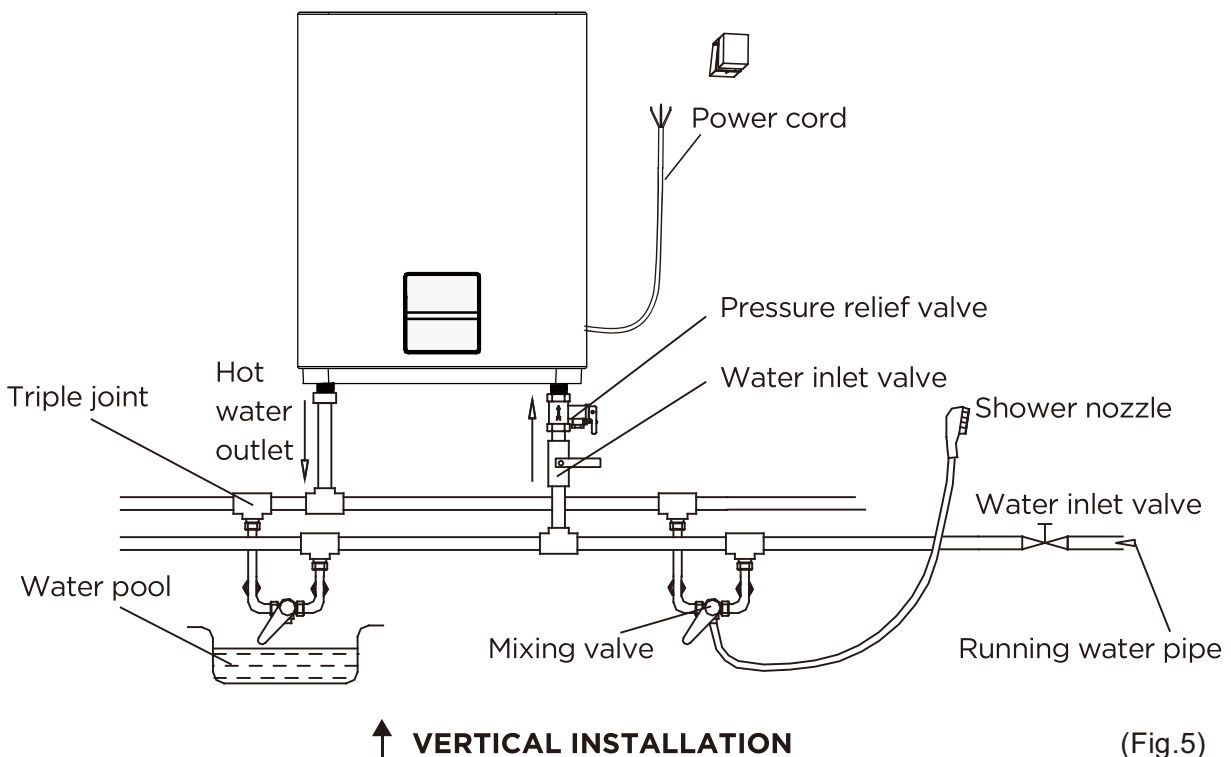
1. The dimension of each pipe part is G1/2" ; The massive pressure of inlet should use Pa as the unit; The minimum pressure of inlet should use Pa as the unit.
2. Connection of pressure relief valve with the heater on the inlet of the water heater.
3. In order to avoid leakage when connecting the pipelines, the rubber seal gaskets provided with the heater must be added at the end of the threads to ensure leak proof joints (see Fig.4).

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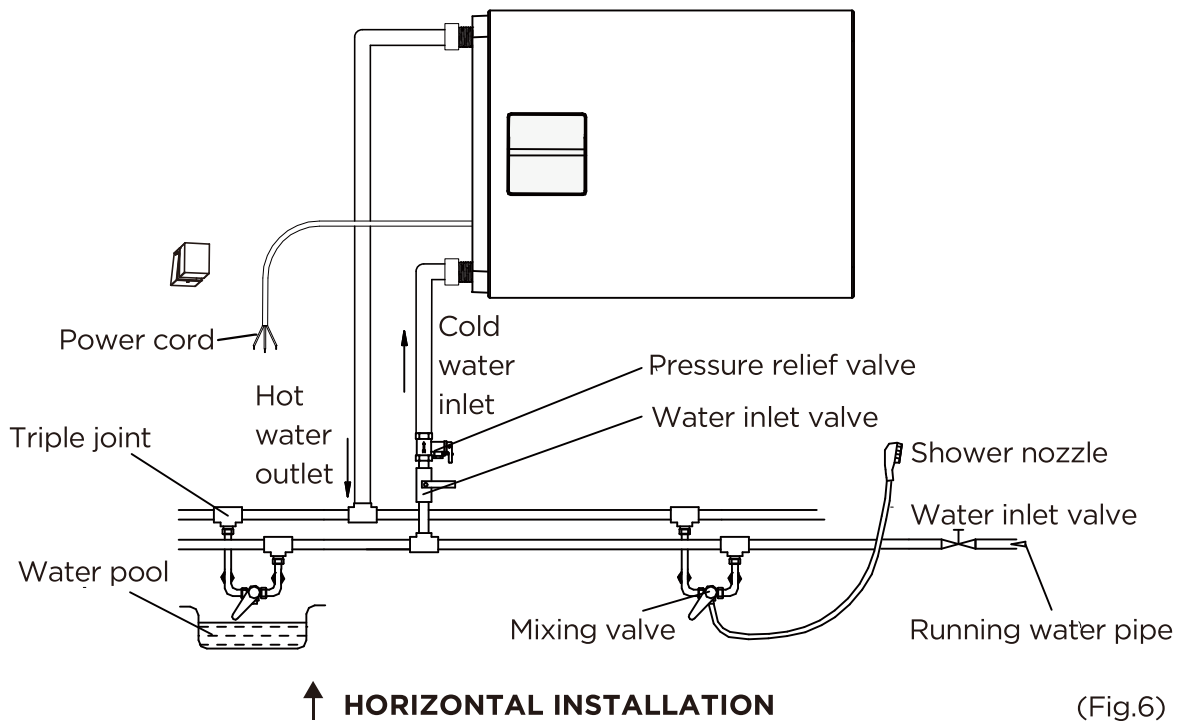


(Fig.4)

4. If the users want to realize a multi-way supply system, refer to the method shown in fig.5 and fig.6 for connection of the pipelines.



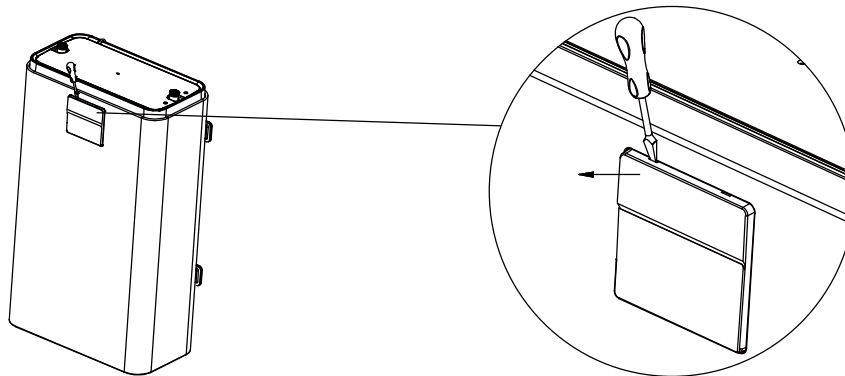
(Fig.5)



(Fig.6)

5. Horizontal installation, the direction of the water pipe must be on the left, if you want to change the direction of the control box, must be professional operation!

- 1) First of all, the power supply must be disconnected and the power cord plug must be removed;
- 2) Second, use a tool to pry open the reserved opening on the control box, and then install it after rotating the direction
- 3) Third, check whether the control box is installed around



(Fig.7)

⚠ Only professional personnel are required for this operation

● Note

Please be sure to use the accessories provided by our company to install this electric water heater. This electric water heater can not be hung on the support until it has been confirmed to be firm and reliable. Otherwise, the electric water heater may drop off from the wall, resulting in damage of the heater, even serious accidents of injury. When determining the locations of the bolt holes, it shall be ensured that there is a clearance not less than 0.3m on the right side of the electric heater, to convenient the maintenance of the heater, if necessary.

OPERATION INSTRUCTIONS

Methods of using

1. First, open any one of the outlet valves at the outlet of the water heater, then, open the inlet valve. The water heater gets filled with water. When water flows out of the outlet pipe it implies that the heater has been filled fully with water, and the outlet valve can be closed.

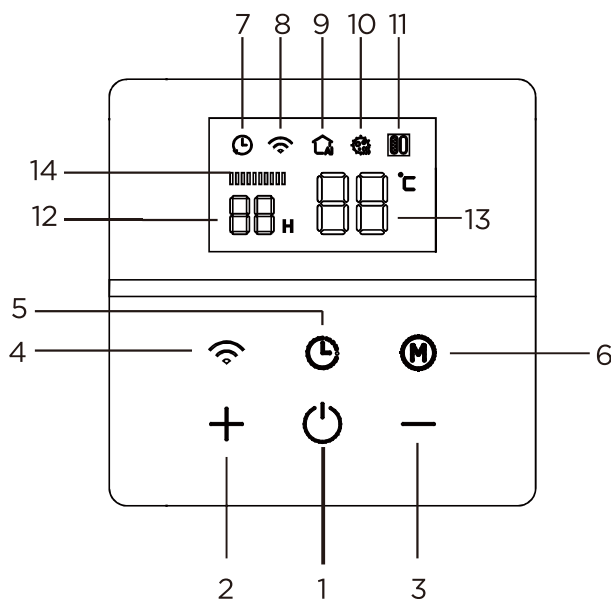
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Note



During normal operation, the inlet valve shall be always kept open.

2. Insert the supply plug into the supply socket, the two indicator lights will light up this time.
3. The thermostat will automatically control the temperature. When the water temperature inside the heater has reached the set temperature, it will switch off automatically, when the water temperature falls below the set point the heater will be turned on automatically to restore the heating.

Operating Of The Unit









(Fig.8)

No.1		ON/OFF Turn the unit on or off.
No.2		Temp.: *Increases temperature in 1°C increments. *Max. temp. is 75°C.

No.3	—	<p>*Decreases temperature in 1°C increments. *Min. temp. is 30°C. As the temp. is adjusted, light 12 changes accordingly. When the temperature adjustment is stopped, a flash occurs for 3 s. After that, the value returns to the current outlet water temp.</p>
No.4		<p>Wireless Connection: Press for 3 secs, icon starts to flash. Then refer to "APP SETUP AND OPERATION".</p>
No.5		<p>Appointment: Set hot water READY in a certain period. 1) One-time setting on the water heater: • Press button and lights 12 starts to flash. Press the "+" or "-" button to adjust the ready time. "06H" means warm water READY in 6 hours, and the adjustment interval is from 2 -23 hours. If there is no adjustment within 5 seconds or press button , the light 12 stops flashing, and the time is set successfully. • After the time is set, the light 13 will start flashing. Press the "+" or "-" button to adjust setting temp. The adjustment range is 30-75°C. If do not adjust within 5 seconds or press button , the light 13 will stop flashing. Setup succeeded; icon is on. • Cancel the appointment. Press button again; then icon will be off. If icon is still on, means there is other appointments in APP. Needs to cancel appointments in the APP, then icon will be off. 2) Repeated appointments can be set on the APP. 3) Can still choose single/double-tank heating.</p>
No.6		<p>Mode: Press to cycle through functions: Memo U ➡ Sterilization ➡ single/double-tank mode MEMO U Function : When the Memo U function is on, it analyzes your hot water consumption and keeps it at 75°C for the first week. It then starts to set your hot water schedule based on your regular routine from the next week. Press the button , icon 9 lights up, and the MEMO U function starts. If you press the button again or manually adjust the set temp on the water heater, the MEMO U function will be automatically turned off. But in APP, it does not allow to adjust temp during Memo U function is on, unless to turn off this function. If power off, turn off, or cycle through to other functions, the MEMO U function is disabled and the related date writing is cleared. Need to press button to learn again. MEMO U cannot be executed in the mode of repeated appointments. Sterilization Function : Extra heat up to 80°C lasting 5 mins; and after that returns to previous setting temp. Press button till icon is on. When Sterilization function is on, it's unable to adjust the temp. Should turn off this function before adapting temp. ⚠ Cautions! Beware of scalding when the Sterilization Function is on.</p>

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No.7		<p> Single- tank heating: Only 1 tank is heated up. Meet your temporary demand for less warm water consumption. Flex capacity to fit user counts. Precise energy savings. Press button  till icon  is on. If  is off, it means in Double- tank heating function. Double- tank heating: Both tanks are heated up with 2 heating elements.</p>
No.8		The percentage of hot water that has been heated to the set temp.

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Error code for serviceman's use

E2: Dry Ashing---Top up with water and re-heat.

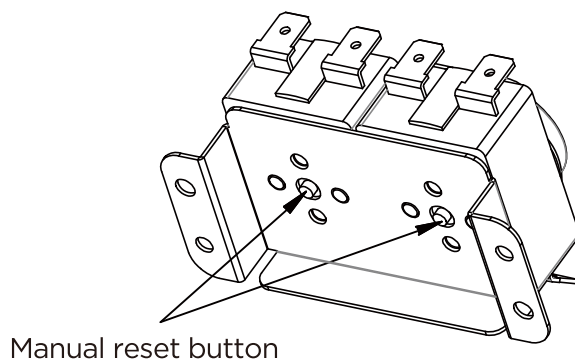
E3: Overheating---Check the heating system or replace it.

E4: Sensor Fault---Check the sensor or replace it.

CLEANING AND MAINTENANCE

Methods of using

1. Temperature limiter cut off electricity if water heater is overheated or thermostat damages. Manual resetting is needed. Resetting knob is as follows (see Fig.9).



(Fig.9)

Attention

Non-professionals are not allowed to disassemble the thermal switch to reset. Please contact professionals to maintain. Otherwise our company will not take responsibility if any quality accident happens because of this.

2. Check the power supply plug and socket frequently to make sure that they have good, reliable contact and are well grounded without overheating phenomenon.
3. If the heater is not used for a long time, especially in the regions with low atmospheric temperature (lower than 0°C), the water inside the heater shall be drained away. This will prevent the damage to the heater due to water freezing in the inner container, (Refer Cautions in this manual for the method to drain away the water from the inner container).
4. In order to ensure that the water heater operates efficiently for a long time, it is recommended to clean the inner container and the deposits on the electrical heating components periodically.
5. It is recommended to examine the magnesium anode protection materials every six months or so. If all the material has been consumed, please replace with the new material.

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Attention

Do not cut off power supply before maintenance, to avoid danger like electric shock.

TROUBLESHOOTING

Failures	Reasons	Treatment
The heating indicator light is off.	Failures of the temperature controller.	Contact with the professional personnel for repair.
No water coming out of the hot water outlet.	1. The running water supply is cut off.	1. Wait for restoration of running water supply.
	2. The hydraulic pressure is too low.	2. Use the heater again when the hydraulic pressure is increased.
	3. The inlet valve of running water is not open.	3. Open the inlet valve of running water.
The water temperature is too high.	Failures of the temperature control system.	Contact with the professional personnel for repair.
Water leak.	Seal problem of the joint of each pipe.	Seal up the joints.



Note

Parts illustrated in this use and care manual are indicative only, parts provided with the product may differ with illustrations. This product is intended for household use only. Specifications are subject to change without notice.

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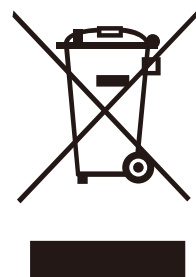
All the described functions and instructions were up to date at the time of printing this manual. However, the actual product may vary due to improved functions and designs.

DISPOSAL AND RECYCLING

Important instructions for environment

Compliance with the WEEE Directive and Disposing of the Waster Product:
This product complies with EU WEEE Directive (2012/19/EU). This product bears a classification symbol for waster electrical and electronic equipment (WEEE).

This symbol indicates that this product shall not be disposed with other household wastes at the end of its service life. Used device must be returned to official collection point for recycling of electrical electronic devices. To find these collection systems please contact to your local authorities or retailer where the product was purchased. Each household performs important role in recovering and recycling of old appliance. Appropriate disposal of used appliance helps prevent potential negative consequences for the environment and human health.

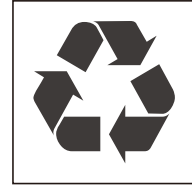


Compliance with RoHS Directive

The product you have purchased complies with EU RoHS Directive (2011/65/EU). It does not contain harmful and prohibited materials specified in the Directive.

Package information

Packaging materials of the product are manufactured from recyclable materials in accordance with our National Environment Regulations. Do not dispose of the packaging materials together with the domestic or other wastes. Take them to the packaging material collection points designated by the local authorities.



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DATA PROTECTION NOTICE

For the provision of the services agreed with the customer, we agree to comply without restriction with all stipulations of applicable data protection law, in line with agreed countries within which services to the customer will be delivered, as well as, where applicable, the EU General Data Protection Regulation (GDPR).

Generally, our data processing is to fulfil our obligation under contract with you and for product safety reasons, to safeguard your rights in connection with warranty and product registration questions. In some cases, but only if appropriate data protection is ensured, personal data might be transferred to recipients located outside of the European Economic Area.

Further information are provided on request. You can contact our Data Protection Officer via **MideaDPO@midea.com**. To exercise your rights such as right to object your personal data being processed for direct marketing purposes, please contact us via **MideaDPO@midea.com**. To find further information, please follow the QR Code.



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