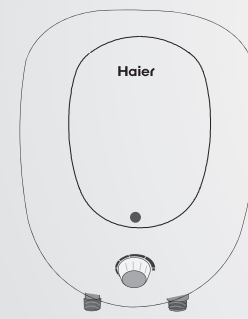


Troubleshooting

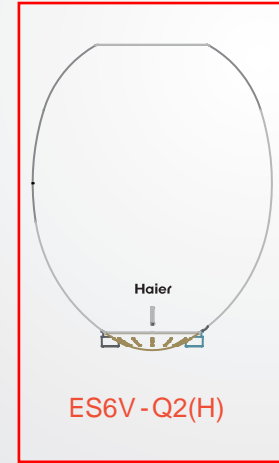
Symptom	Things to Check	Solutions
No water	1 Whether the water supply has stopped or whether the water pressure is too low	Check
	2 Whether the water-usage point is blocked or whether the hot water valve is opened	Check and clear
Only cold water but the heating indicator lamp is lit	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Adjust water temperature
	3 Heating time is too short and set temperature is not achieved	Continue heating
	4 Whether heating pipe is damaged	Confirm it is not due to the reasons under ① ② ③, then contact Maintenance Department
Only cold water and the heating indicator lamp is not lit	1 Whether power is properly connected	Check power socket
	2 Check whether there is power supply	Connect power switch
	3 Whether thermostat is out of control	Confirm it is not due to the reasons under ① ②, then contact Maintenance Department
Heating indicator light is on all the time	1 Water has not reached the set temperature	Continue heating
	2 Whether thermostat is out of control	Confirm it is not due to the reason under ①, then contact Maintenance Department
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Adjust water outflowing volume or make sure water pressure is stable before using
Small hot water outflow volume	1 Whether the present temperature setting is too low	Re-adjust the temperature setting
	2 Whether water pressure is too much	As far as possible reduce the water valve's outflow volume during use; for details please refer to the tips in Important Notices

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ES6V-Q1(H)



ES6V-Q2(H)

- Please read this Instruction Manual carefully before use.
- Please retain this manual for future reference.

Safety Notices (Please read before use)

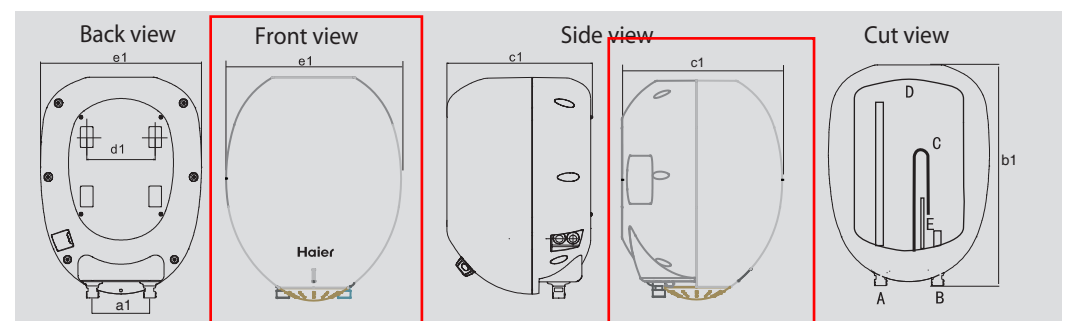
Meanings of Icons

	Prohibited		Compulsory Matters		Essential Matters
Forbidden		Warning		Caution	

- Forbidden** Immediately cut off power supply and contact our Service Center once the water heater does not work properly or emits burnt smell.
- Warning** 230V/50Hz independent power source must be used at all times.
- Earthing** To ensure safety, the water heater should be connected to independent sockets (do not use adapters), with reliable earthing. In addition the power socket must conform to national standards. Use of water heater without reliable earthing is strictly prohibited. Use pen multimeter to check whether the live line and zero line are reverse.
- Warning** Do not use damaged wire and power socket. Promptly clean the dust on the power plug and socket.
- Warning** Check the power meter and the electric wire's diameter to ensure that they comply with the rated current for the water heater. Where necessary engage qualified electrician to check the electric circuit.
- Forbidden** Do not touch the plug with wet hands, and make sure that the water heater, plug socket do not come into contact with water. If they are accidentally wet, they must be checked by professions appointed by our company before using, in order to prevent electrocution.
- Forbidden** Sotring of inflammable and explosive items near the water heater is strictly prohibited.
- Forbidden** Do not connect to power when installing or repairing the water heater.
- Forbidden** Non-professionals are strictly prohibited from carrying out repairs, maintenance, dismantling or revamping of the water heater.
- Forbidden** Installation of water heater outdoors is strictly prohibited.
- Forbidden** Do not install the water heater in an environment which is susceptible to ice-formation. Ice will cause the container and water pipe to break, leading to scalding and water leakage.
- Warning** Please take precautionary measures during cold weather, in order to prevent damage to water heater from freezing.
- Warning** If the soft power cable is damaged, it must be replaced by professional staff from the manufacturers or Maintenance Department in order to avoid danger.
- Caution** Take care not to be scalded by heated water.
 - Touching of hot water valve and pipes is strictly prohibited.
 - Make sure to check the water temperature before use; use only when it feels suitable.
- Forbidden** Do not use water from the water heater for drinking or similar purposes.
- Caution** Please cut off the power supply if the water heater was not used for an extended period of time. Drain the water heater of all water according to the instructions in the chapter on Cleaning and Maintenance.

Specifications

Introduction of exterior and accessories



Model No.	Net weight (kg)	Volume (L)	a1	b1	c1	d1	e1
ES6V-Q1(H)	5	6	100mm	348mm	246mm	120mm	273mm
ES6V-Q2(H)	5	6	100mm	364mm	266mm	100mm	285mm

A Hot water outlet B Cold water intake C Heating pipe
D Inner chamber E Anode rod

Note: The margin of error for the above parameters is $\pm 10\%$.

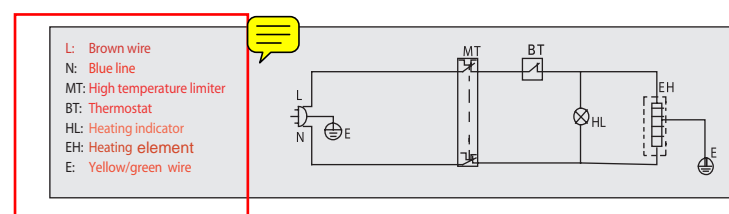
Technical data

Rated voltage/power	Rated frequency	Rated temperature	Waterproof rating	Rated pressure	Water pressure
230V~/2000W	50Hz	75°C	IPX4	0.80MPa	Not less than 0.05MPa

Packing list

Quantity	Name of parts	Electric Water Heater (unit)	Safety Valve/Water Drainage Pipe (set)	Instruction Manual (copy)	Expandable Hook (pcs)
	Product Model No.				
	ES6V-Q1(H)	1	1	1	2
	ES6V-Q2(H)	1	1	1	2

Electrical Diagram



Installation instruction

Installation method



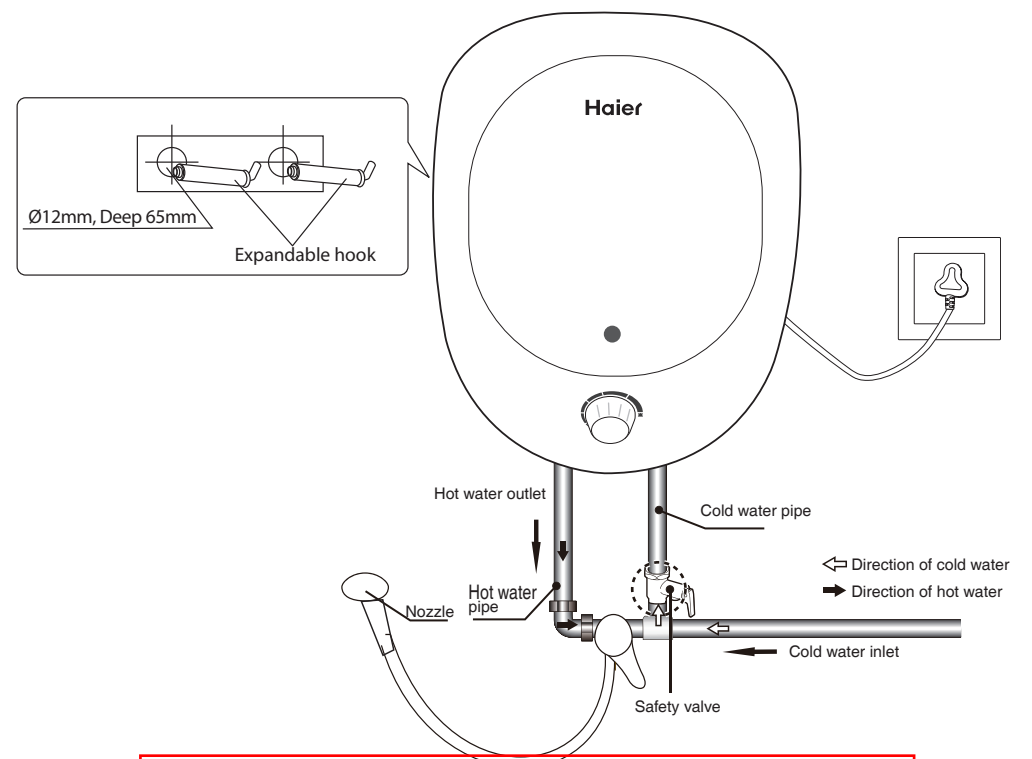
Must be installed by personnel in our company's After-sales Department or designated installation personnel.
The water heater is wall-mounted type.

- First determine the installation position of the water heater based on your needs. Use PP-Rpipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Furthermore install loose joint at suitable locations for the water intake and outlet.
- Use impact drill to drill two 65mm-holes with a diameter of 12mm each at the locations based on the installation requirements. Insert the expandable hooks into the holes and ensure that they are properly fixed. Hang the water heater vertically on the expandable hooks and check whether it is securely fixed. Install the safety valve and drainage pipes, etc. as indicated in the illustration. Make sure to seal the joints with Teflon tapes to prevent water leakage.
- Determine the water supply's position and connect the water outlet and intake to their respective positions. Fill the inner chamber with water to check whether there is any water leakage. If so, the connections must be re-done and properly carried out.

Note: Make sure that the water heater is securely attached to the hook before letting it go; otherwise it may drop and cause injury or property damage.

Installation Precautions

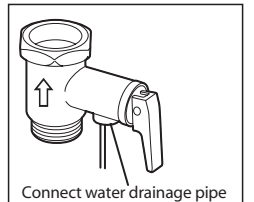
- The water heater is a wall-mounted type; thus it should be securely mounted on the wall so that it can withstand 4 times its weight after it is filled with water.
 - Adequate space should be reserved during installation of water heater for ease of subsequent repair and maintenance. When installation care should be taken in order that the water heater is of a safe distance from gas pipe. It should be at least half a meter from gas cookers/gas pipe/gas meter, etc.
 - Make sure the pressure on the water intake is not less than 0.05MPa, and not more than 0.75MPa.
 - The water heater should be installed indoors in a place where the ambient temperature is above 0°C. The pipes should be closely laid out. The hot water outlet should be too far away from the point of usage. If the distance exceeds 8 metres, the hot water pipe should have insulation protection, in order to prevent heat loss.
 - Do not reverse the installation for the water intake and outlet. The safety valve should be installed in the designated position and not moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
 - To ensure safety, the water heater should be connected to independent sockets (do not use adapters), with reliable earthing. In addition the power socket must conform to national standards. Use pen multimeter to check whether the live line and zero line are reverse. Turn on power supply only when you have ensured that the heater is filled with water and that there is no water leakage. The power supply should also conform with requirements.
 - All water pipes should be installed by qualified water pipe installation workers. The pipelines should comply with the national standards and regulations on the prohibition of prevention tools to draw water to water source pipelines by way of inverse siphon, as well as local building codes.
- Safety reminder: In order to prevent accidents, please use our company's accessories during installation. Do not replace them on your own or use substitutes. Please make sure to contact our Maintenance Department if the accessories are damaged and replace them with the accessories supplied by our company. Our company shall not be liable for any direct or indirect losses caused as a result of accidents for failure to comply with the aforesaid.



Take the installation diagram of ES6V-Q1 (H) as an example.

Connection and use of safety valve

- Install the safety valve which has a rated pressure of 0.80MPa (its connection is G1/2) into the water intake pipe with the arrow on the safety valve pointing at the water heater. When the water heater is heated by electricity, a small amount of water will flow from the safety valve's pressure relief hole due to the expansion of water in the heater. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Attach an end of the water drainage pipe onto the pressure relief hole on the safety valve. You may cut the water drainage pipe to make it shorter, or extend it depending on the situation. Connect the other end of the water drainage pipe to the lower water outlet. This will prevent the water from the pressure relief hole from splashing.
- The water drainage pipe connected to the safety valve should be installed in a slanted manner and in an environment which is not prone to frost. Make sure that the connections are not leaking and that the power supply conforms with requirements. Test the machine by switching on the power.



3

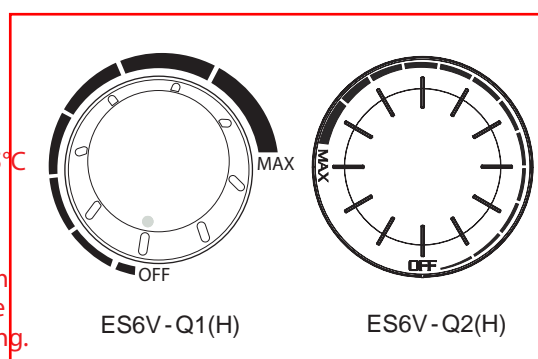
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Instruction manual

- After completion of installation, make sure to turn on the water intake valve and mixing valve since there is no water in the inner chamber. Turn the mixing valve to the maximum for hot water outlet. Turn off the out-flow valve when water flows out from the sprinkler or the water outlet (indicating that the container is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is not water leakage before connecting to power.

Operation

- Adjust the water temperature knob at the bottom of the water heater to set the temperature.
 - Maximum water temperature setting is 75°C. Temperature adjustment knob: Turn the knob gradually clockwise to raise the temperature setting. The knob will not continue to turn once it reaches maximum temperature setting. Turn it anti-clockwise gradually to reduce the temperature setting.
- If the heating indicator light is lit, it means that the water heater is heating.
- If the heating indicator is power off, it means that heating is finished and it will enter heating insulation state or get closed totally.
- When the water temperature reaches the set temperature, it will enter thermal state. Once it lowers to certain temperature, power will be automatically connected.
- Observe the water drainage of the safety valve's pressure-relief hole. When the water pressure is 0.75MPa and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive. In such case, please notify the After-sales Department.



Things to note during use

- Do not connect the power before filling the inner chamber with water in order to prevent damage to the water heater.
- Adjust the water temperature to the suitable level before use in order to prevent scalding.
- Insofar as there is adequate hot water, set a lower temperature to reduce heat loss, high temperature corrosion and scaling. This will extend the water heater's lifespan.
- Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- To avoid danger caused by accidental resetting of the heating breaker, the power for the heat cannot be supplied by timer and other external switch devices or connected to circuit with frequent switching for facility use.

5

Cleaning and Maintenance

Warning!

The water heater must be repaired or maintained by qualified professionals. Improper methods may cause serious injury or damage to property.

Note: Before calling service technicians, please refer to the Q&A to solve simple issue.

Cleaning

- External cleaning**
 - Power must be switched off before cleaning the water heater.
 - Take a wet cloth and dab it with small quantity of neutral detergent. Lightly wipe the water heater. Do not use petrol or other solvents. Finally use a dry cloth to wipe; make use to dry the water heater thoroughly. Make sure not to use detergents containing abrasive agents (e.g. toothpaste), acidic substances, chemical solvents (e.g. alcohol) or polish to clean the water heater.
- Internal cleaning**

In order to ensure that the water heater will work with high efficiency, clean the heating tube and inner chamber once every three years. Take care not to damage the exterior of the heating pipe and the protective layer on the surface of the inner chamber. Depending on the local water quality and usage habit, the Anode rod should be regularly replaced. If maintenance is required, please contact the local Maintenance Department.

Check

- When the water heater is in use, the safety valve should be checked once every month. To check it, turn the safety valve's small handle on the side of the water intake (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. Please contact the local After-sales Department if no water flows out. In the event of damage to the safety valve, please replace it with a safety valve of similar specifications.
- Regularly engage service personnel to carry out safety inspection and promptly clear the water heating pipes of the scale. Check also the consumption of the Anode rod; change it if consumption becomes excessive.

Not in use for an extended period of time

If the water heater is not used for an extended period of time, please carry out the following steps:

- Turn off the water pipe valve.
- Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- Turn the hot water valve to the maximum (at the same time unscrew the soft sprinkler pipe from the water outlet valve; take care not be scalded by hot water), drain the inner chamber of water. When the water heater needs to be used again, our recommendation is to open hot water valve before switching on the power in order to prevent accidents. Allow any gas that may be trapped in the pipe to be discharged. Do not smoke or allow other exposed fire to be near the opened valve. At the same time, make sure to carefully examine all the parts of the water heater and ensure that they are in a perfect condition. Make sure to fill the inner chamber with water before use.

6

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