

Haier

Haier Home Water Heater

Instruction Manual

ES15V-MOLTEN (I/W) (1520)

ES25V-MOLTEN (I/W) (2520)

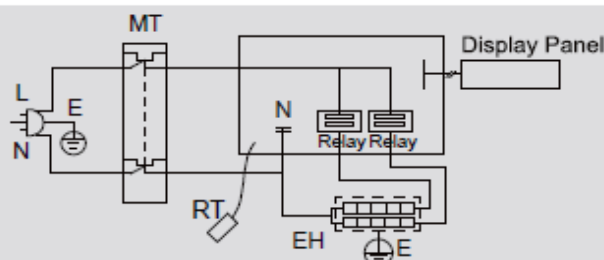


- Please read this Instruction Manual carefully before use.
- Please retain this manual for future reference.

Specifications

Electrical Diagram

L: Live Wire(Brown/Red)
 N: Neutral Wire(Blue/Black)
 MT: High temperature limiter
 RT: Sensor
 EH: Heating element
 E: Earthing Wire(Yellow&Green)



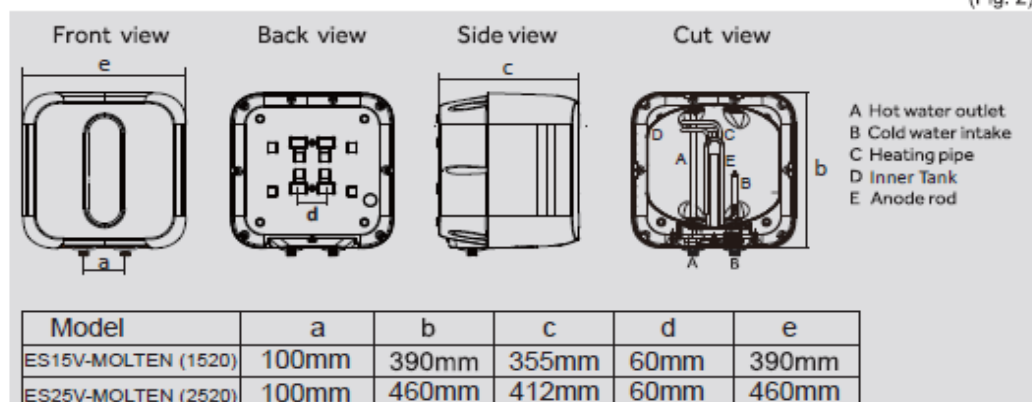
Technical Parameters

Item	Unit	ES15V	ES25V
Model		1520	2520
Rated Voltage	V	230	230
Rated Frequency	Hz	50	50
Rated Pressure	MPa	0.80	0.80
Rated Power		2000/	2000/
3D Heating Power	W	3000	3000
Net Weight	kg	10.6	14.26
Rated Capacity	L	15	25
Waterproof Grade	IP	IPX4	IPX4
Mixing Factor (maximum)	%	35	35
Tap Water Pressure (minimum)	MPa	0.05	0.05
Mean Hot Water Output (minimum)	°C	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	25	45
Diameter of Power Wire	mm ²	3X1.5	3X1.5

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

Introduction Of Exterior And Accessories

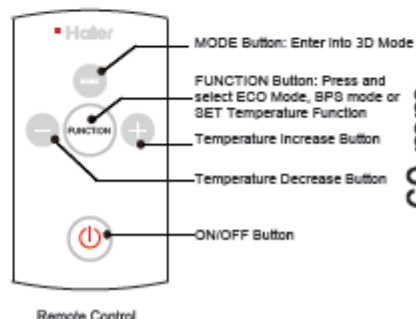
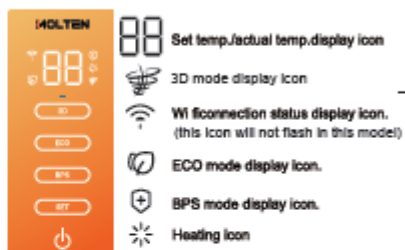
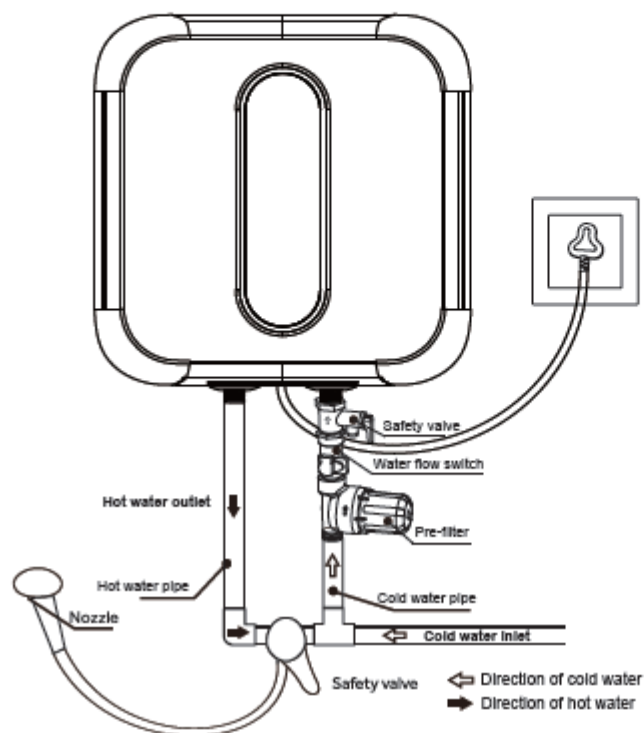
(Fig. 2)



Note: The permitted error limit of above parameters is $\pm 10\%$.

Installation Instruction

Description of Parts



60 mm

Installing Safety valve, Water flow switch and Pre-filter

Take out the safety valve, water flow switch and pre-filter from the packaging box. Refer to the right diagram to properly assemble the safety valve, water flow switch and pre-filter. Then connect the safety valve from the assembled unit to the water heater inlet pipe and attach the pre-filter to the user's incoming water supply.

Safety valve specification:

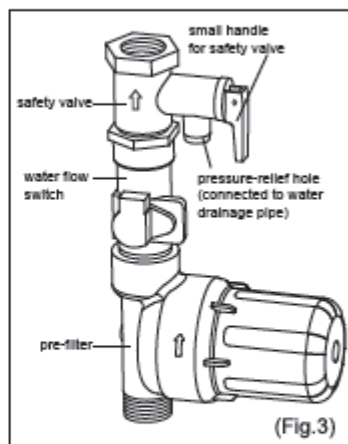
Rated pressure: $0.80 \pm 0.05 \text{ MPa}$. Connection: G1/2.

The arrow on the safety valve, the water flow switch and the pre-filter must point to the water heater.

During the heating process, a small amount of water may flow out from the safety valve's pressure-relief hole due to the thermal expansion of the water in the heater. This is a normal phenomenon. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.

Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

If Safety Valve is not installed, Product will not consider for Warranty.



> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**

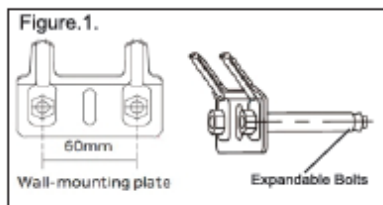
> **If Safety Valve is not installed, Product will not consider for warranty.**

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.

2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Installation Method

- Must be installed by personnel in our Haier Service Person 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 SS Braided pipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Further more install loose joint at suitable locations for the water intake and outlet.
 - Use impact drill for two holes of 75mm deep with a diameter of 12mm each at the locations based on the installation requirements. Fasten the wall-mounting plate on the wall tightly with two expansion bolts as per indicated in Fig.1. Check and confirm that the bolts are not loose. Hang the water heater vertically onto the wall by the wall-mounting plate. Confirm it is firmly mounted. 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.
 - For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
 - Considering Ease of Water Heater Operation, place the remote control as per your convenient place.
- 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



- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25 Mpa., else it may lead to Safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater is hung should be strong such as it is able to withstand 4 Times the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn-off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the Water Tank is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

Operation


ON/OFF

1. Press  button to turn on the water heater. The initial system default state is displayed at the initial power-on. Press  to turn off.
2. System default: The water heater defaults to the heating mode, and the default setting temperature is 75 °C. By default TIMER, BPS function is off. After power-on or start up, the machine will enter the state and settings before the last power-off or shutdown.

TEMPERATURE SETTING


Press the "SET" button once to query the set heating temperature. When display is flashing, each time the "SET" button is pressed, the temperature value changes between 35°C and 75°C in units of 5°C. Under the Timer mode, press "SET" button can set the timer temperature. The setting method is same with the above temperature setting. For any temperature setting more than 55°C, when the temperature drops below by 10°C, the heater automatically restarts the heating. For temperature setting less than 55°C, when the temperature drops below by 5°C, the heater automatically restarts the heating.

3D MODE

Press the "3D" key to enter 3D dynamic heating mode, with the corresponding indicator light  illuminated. When 3D dynamic heating mode is activated, the system will intelligently start the lower or upper heating elements inside the tank based on water flow rate and internal temperature, providing more hot water. The flow rate required to activate the 3D heating should be more than 1.5 LPM.

3D function maintains functionality and memory during power loss and subsequent restart, as well as when turning the device on or off. It is mutually exclusive with ECO mode but coexists with other functions.

ECO FUNCTION






Press the "ECO" button, then enter the ECO mode, and the icon  Light On. The digital display flash 50°C, then display the actual temperature. The setting temperature is 50 °C and is not adjustable under this mode. When the water temperature drops to 45 °C, the machine will automatically start heating to 50 °C and stop.

BPS FUNCTION

Press the "BPS" button, then enter the BPS function & the icon  lights On. The digital display flash 75 °C, then display the actual temperature. The setting temperature is not adjustable under this mode.

In BPS mode, the bacteria will be killed and the water quality will be improved. Press the BPS button again to exit BPS mode.

REMOTE CONTROL INSTRUCTION

- ☑ Press  button to switch ON/OFF the water heater. The Water Heater will display the same Function which was before the last power off or shutdown.
- ☑ Press the MODE button to enter in 3D mode. After pressing MODE button,  icon lights ON.
- ☑ Press the FUNCTION button to enter in ECO, BPS or SET Temperature Function
 1. Initially after pressing the Function button you will get ECO Function and  icon lights on display and displays 50°C.
 2. On next press, you will get the BPS Function and  icon lights on display and display the 75°C.
 3. On next press, you will enter in Heating Function and  icon lights on display. In this mode, you can adjust temperature from 35°C to 75°C by using + button for increasing temperature and - button for reducing temperature.

Things to note during use

- 1 Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3 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 life span.
- 4 Do not place inflammable substances such as petrol near the water heater otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6 Typical noise during heating is normal phenomena, and the noise intensity varies with respect to water hardness.
- 7 Please ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.
- 9 Please check the filter element of the pre-filter regularly and clean it in time. Please disassemble the filter cartridge only when the temperature display is below 40°C. First, close the inlet water supply, then open the outlet valve or use the safety valve pressure relief port to depressurize, and finally close the outlet valve. Rotate the filter bottle counterclockwise to remove the filter cartridge for cleaning, then reinstall it by rotating clockwise into the filter bottle. Finally, open the inlet water supply and confirm there is no leakage before resuming normal use. If any leakage occurs, please disassemble and tighten again. The disassembly of the filter bottle is recommended to be performed by a professional operator; The product must not be installed in an environment where the temperature is below 0°C or in water supply lines that are consistently above 40°C for extended periods.

Cleaning And Maintenance • Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner chamber. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. 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 lever upside/outward. (take care not to hurt your hand).
If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container of water.
- 4 Remove the battery cell from the remote control

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.

Packing List

Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual (book)	Expansion Bolts (pcs)	Remote control	Wall Mounting Bkt. (pcs)	Flexible Pipes	water flow switch(pcs)	Pre-filter (pcs)
1	1	1	2	1	1	2	1	1

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	Check and clear
Only cold water but the heating indicator light is glow	1 Whether mixing valve is towards cold water side	Check and open hot water mixing valve.
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	3 Heating time is too short and set temperature is not achieved	Continue heating
	4 Whether heating element is damaged	Confirm this is not due to the reasons 1, 2, 3, then contact Haier Service Person.
The water can't be heated to the required temperature or the less amount of the hot water output	1 Whether the current function mode is set correctly or the temperature set too low	Calibrate according to the use method in the manual
	2 Whether water pressure is excessive	Set lower mixing valve
Unable to power on or the display screen doesn't light up	1 Whether the power supply is in good contact	Check the power socket
	2 Whether the components are damaged	Confirm this is not due to the reasons 1, then contact Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Display E2	1 Whether the inner tank is filled with water	Turn off the power, then fill up water and turn on the power again
	2 Whether the components are damaged	Confirm this is not due to the reasons 1, then contact Haier Service Person.
Display E3	1 Whether the indoor temperature is lower than minus 20°C	Cut off the power supply. When the ambient temperature is higher than minus 19°C, it will return to normal after turn on the power again.
	2 Whether the sensors are damaged	Confirm this is not due to the reasons 1, then contact Haier Service Person.

Haier

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Rev.01;10.03.2025

Haier

Haier Home Water Heater

Instruction Manual

ES10V-Aqualad(W/I)(1022)
ES15V-Aqualad(W/I)(1522)
ES25V-Aqualad(W/I)(2522)
ES15V-Aqualad Pro(1530)
ES25V-Aqualad Pro(2530)
ES15V-Aqualad Digi(1522)
ES25V-Aqualad Digi(2522)



Aqualad White-Series



Aqualad Ivory-Series



Aqualad Pro-Series



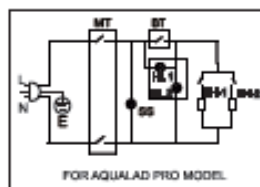
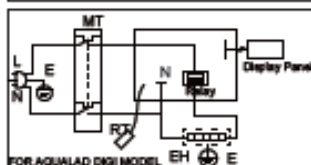
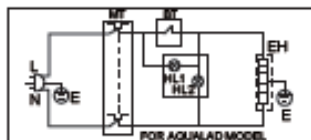
Aqualad Digi-Series

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT : High Temperature Limiter
 BT : Thermostat
 EH : Heating Element
 E : Earthing Wire (Yellow&Green)
 HL1 : Power Indicator (Red)
 HL2 : Heating Indicator (Blue)
 SS : Selector Switch



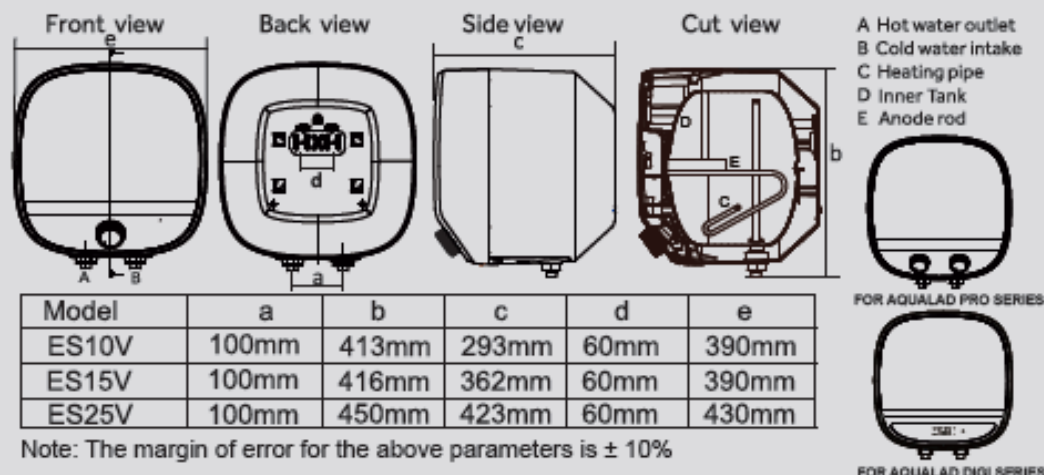
Technical Parameters

Item	Unit	AQUALAD SERIES AQUALAD DIGI SERIES			AQUALAD PRO SERIES	
		ES10V	ES15V	ES25V	ES15V	ES25V
Model No.	—	1022	1522	2522	1530	2530
Rated Voltage	V	230	230	230	230	230
Rated Frequency	Hz	50	50	50	50	50
Rated Pressure	MPa	0.80	0.80	0.80	0.80	0.80
Rated Power	W	2200	2200	2200	3000	3000
Net Weight	kg	8.3	9.5	13	9.5	13
Rated Capacity	L	10	15	25	15	25
Waterproof Grade	IP	IPX4	IPX4	IPX4	IPX4	IPX4
Mixing Factor (maximum)	%	35	35	35	35	35
Tap Water Pressure (minimum)	MPa	0.005	0.005	0.005	0.005	0.005
Mean Hot Water Output (minimum)	°C	50	50	50	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	18	23	41	25	45
Diameter of Power Wire	mm ²	3×1.5	3×1.5	3×1.5	3×1.5	3×1.5

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

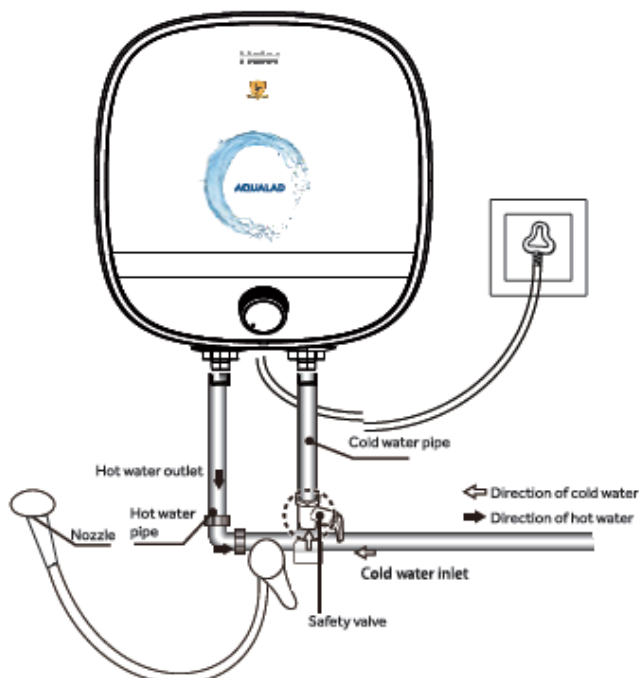
Introduction Of Exterior And Accessories

(Fig. 2)



Installation Instruction

Description of Parts



Installing Safety valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ MPa}$ (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.



(Fig.3)

- Installation method for safety valve's drainage pipe: 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 to 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.

Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**

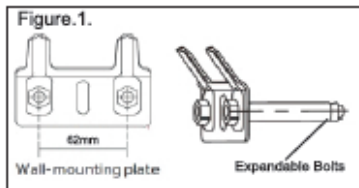
> **If Safety Valve is not installed, Product will not consider for warranty.**

Note:

1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Installation Method

- Must be installed by personnel in our Haier Service Person 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 SS Braided pipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Further more install loose joint at suitable locations for the water intake and outlet.



- Use impact drill for two holes of 75mm deep with a diameter of 12mm each at the locations based on the installation requirements. Fasten the wall-mounting plate on the wall tightly with two expansion bolts as per indicated in Fig.1. Check and confirm that the bolts are not loose. Hang the water heater vertically onto the wall by the wall-mounting plate. Confirm it is firmly mounted. 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 container with water to check whether there is any water leakage. If so, the connections must be re-done and properly carried out.
- For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.

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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.005MPa, and not more than 0.25MPa, else it may lead to Safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand fourth the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the inner container is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

Operation

1 FOR AQUALAD SERIES AND AQUALAD PRO SERIES

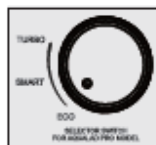
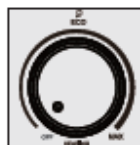
- 1 Adjust the heating knob of the water heater to set the temperature.

The Maximum water temperature setting is 75°C.

Temperature adjustment knob:

Slowly turn the knob clockwise to raise the temperature setting. When the knob cannot be turned further, it indicates that the maximum set temperature has been reached.

Turn it anti-clockwise gradually to reduce the temperature setting. Once the minimum temperature settings reached, the water heater's power will be cut off.



- 2 Turn the heating knob to the ECO location, enter into the economical heating mode.
- 3 Turn the heating knob to the MAX location, to enter in the Bacteria Protection mode.
- 4 If the heating knob light is blue, it means that the water heater is heating.
- 5 If the heating knob light is red, it means that heating is finished and it will enter heating insulation state or get closed totally.
- 6 User can select either 1kw, 2kw or 3kw heating mode as per requirement by rotating the selector knob (Eco, smart, turbo) resp. The selector knob light keeps in red when power on.

FOR AQUALAD DIGI SERIES

- 1 Power-On/Power-Off:

Plug in the power, the display lights up, and the machine enters either the shutdown state or the previous working state before the last power outage. Press button "⏻" to Power-On/Power-Off.



- 2 Temperature adjustment:

Press the '+' and '-' buttons to adjust the temperature in increments of 1°C. Holding down the '+' or '-' button will increase or decrease the set temperature sequentially within a range that cycles from 35°C to 75°C and back to 35°C. During adjustment, the set temperature value will flash. Holding the button longer allows for faster adjustment, and after 6 seconds without any operation, it returns to displaying the actual temperature.

- 2 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature, power will be automatically connected.
- 3 Observe the water drainage from the safety valve's pressure-relief hole. When the water pressure is $\geq 0.80 \pm 0.05$ MPa and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.

Things to note during use

- 1 Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3 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 life span.
- 4 Do not place inflammable substances such as petrol near the water heater otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6 Typical noise during heating is normal phenomena, and the noise intensity varies with respect to water hardness.
- 7 Please ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Cleaning And Maintenance • Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner container should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner container. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. If maintenance is required, please contact Haier Service Person.

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 lever upside/outward. (take care not to hurt your hand).
If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

Packing List

Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual(leaflet)	Expansion Bolts (pcs)	Warranty Card (leaflet)	Wall Mounting Bkt. (pcs)	Flexible Pipes (pcs)
1	1	1	2	1	1	2

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	Check and clear
Only cold water but the heating knob shows blue	1 Whether hot water outlet is opened	Check and open
	2 Heating time is too short and set temperature is not reached	Continue heating
	3 Whether the selector switch is open (aqualad pro series)	Power off then contact Haier Service person
	4 Whether the heating element is damaged	Confirm this is not due to the reasons 1, 2, 3, power off then contact Haier Service person
Only cold water but the heating knob shows red	1 Whether hot water outlet is opened	Check and open
	2 Whether the selector switch is open (aqualad pro series)	Increase the set temperature and continue heating
The heating knob shows blue all the time	The thermostat or the cutout is out of control	Power off then contact Haier Service person
The heating knob shows purple	The heating element is damaged	Power off then contact Haier Service person
The heating knob light is not on Unable to turn on or the display screen is not bright	1 Whether the power is on or connected properly	Check and power on
	2 Whether the cutout or PCB is damaged	Confirm this is not due to the reason 1, power off then contact Haier Service person
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether the water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the set temperature is too low	Increase the set temperature and use it after heating to the set temperature
	2 Whether the water pressure is too high	Set lower mixing valve
Display E2	1 Whether the inner tank is filled with water	Power off, then fill up with water and turn on the power again
	2 Whether the components are damaged	Confirm this is not due to the reason 1, power off then contact Haier Service person
Display E3	1 Whether the indoor temperature is lower than minus 20°C	Cut off the power supply. When the ambient temperature is higher than minus 19 °C, it will return to normal after turn on the power again
	2 Whether the sensors are damaged	Confirm this is not due to the reason 1, power off then contact Haier Service person

Haier

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Haier Home Water Heater

Instruction Manual

ES10V-S1I(1020)
ES10V-S1W(1020)
ES15V-S1I(1520)
ES15V-S1W/EC-S1(1520)
ES25V-S1I(2520)
ES25V-S1W/EC-S1(2520)



S1 White-Series



S1 Ivory-Series



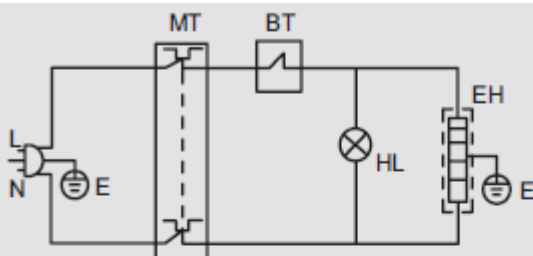
EC-S1 White-Series

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT : High Temperature Limiter
 BT : Thermostat
 HL : Heating Indicator
 EH : Heating Element
 E : Earthing Wire (Yellow&Green)



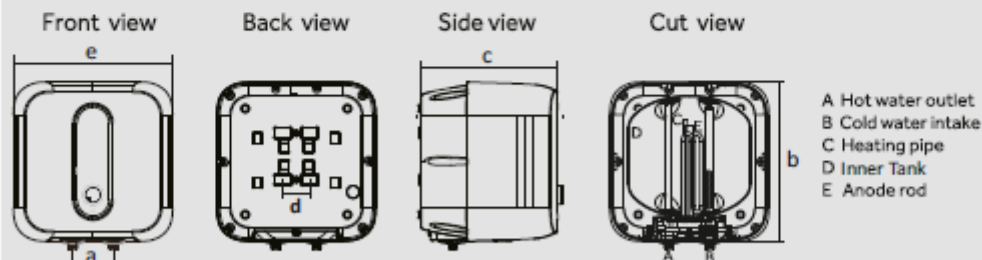
Technical Parameters

Item	Unit	ES10V	ES15V	ES25V
Model No:	—	1020	1520	2520
Rated Voltage	V	230	230	230
Rated Frequency	Hz	50	50	50
Rated Pressure	MPa	0.80	0.80	0.80
Rated Power	W	2000	2000	2000
Net Weight	kg	7.5	9.8	13.4
Rated Capacity	L	10	15	25
Waterproof Grade	IP	IPX4	IPX4	IPX4
Mixing Factor (maximum)	%	35	35	35
Tap Water Pressure (minimum)	MPa	0.05	0.05	0.05
Mean Hot Water Output (minimum)	°C	50	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	20	25	45
Diameter of Power Wire	mm ²	3×1.0	3×1.0	3×1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

Introduction Of Exterior And Accessories

(Fig. 2)

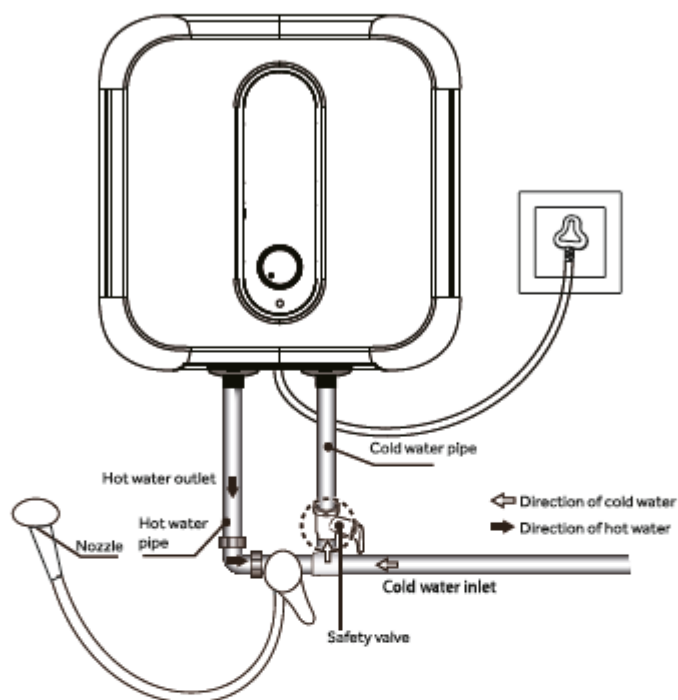


Model	a	b	c	d	e
ES10V	130mm	330mm	306mm	60mm	330mm
ES15V	100mm	390mm	355mm	60mm	390mm
ES25V	100mm	460mm	412mm	60mm	460mm

Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

Installation Instruction

Description of Parts



Installing Safety valve

- Install the safety valve which has a rated pressure of 0.80 ± 0.05 Mpa (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Installation method for safety valve's drainage pipe: 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 to 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.



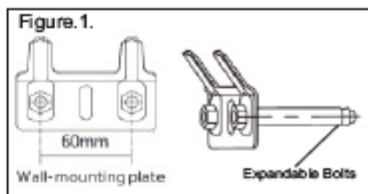
Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

- > **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**
- > **If Safety Valve is not installed, Product will not consider for warranty.**

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Installation Method

- Must be installed by personnel in our Haier Service Person 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 SS Braided pipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Further more install loose joint at suitable locations for the water intake and outlet.
 - Use impact drill for two holes of 75mm deep with a diameter of 12mm each at the locations based on the installation requirements. Fasten the wall-mounting plate on the wall tightly with two expansion bolts as per indicated in Fig.1. Check and confirm that the bolts are not loose. Hang the water heater vertically onto the wall by the wall-mounting plate. Confirm it is firmly mounted. 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 container with water to check whether there is any water leakage. If so, the connections must be re-done and properly carried out.
 - For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
- 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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25MPa, else it may lead to Safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand fourth the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the inner container is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

Operation

- 1 Adjust the water temperature knob at the bottom of the water of the water heater to set the temperature.
- 2 Maximum water temperature setting is 75°C for ES10V 80°C for ES15/25V.
Temperature adjustment knob: Slowly turn the knob clockwise to raise the temperature setting. Turn the knob will not continue to turn, once it reaches maximum temperature setting. Turn it anti-clockwise gradually to reduce the temperature setting. Once the minimum temperature settings reached, the water heater's power will be cut off.
- 3 Turn the knob to the ECO location, enter into the economical heating mode.
- 4 Turn the knob to the MAX/BPS location, to enter in the Bacteria Protection mode.
- 5 If the heating indicator light is ON, it means that the water heater is heating.
- 6 If the heating indicator is power off, it means that heating is finished and it will enter heating insulation state or get closed totally.
- 7 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature power, will be automatically connected.
- 8 Observe the water drainage of the safety valve's pressure-relief hole.
When the water pressure is $\geq 0.80 \pm 0.05 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.



Things to note during use

- 1 Do connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding
- 3 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.
- 4 Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6 Typical noise during heating is normal phenomena, and the noise intensity varies with respect to water hardness.
- 7 Please ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Cleaning And Maintenance • Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner container should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner container. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. If maintenance is required, please contact Haier Service Person.

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 lever upside/outward. (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual(leaflet)	Expansion Bolts (pcs)	Warranty Card (leaflet)	Wall Mounting Bkt. (pcs)	Flexible Pipes (pcs)
ES10V-S1		1	1	1	2	1	1	2
ES15V-S1/EC-S1								
ES25V-S1/EC-S1								

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 light is glow	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	3 Heating time is too short and set temperature is not achieved	Continue heating
	4 Whether heating pipe is damaged	Confirm this is not due to the reasons 1, 2, 3, then contact Haier Service Person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm this is not due to the reason 1, then contact Haier Service Person.
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 this is not due to the reason 1, then contact Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

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Haier Home Water Heater

Instruction Manual

ES15V-SD(I/W)(1520)

ES25V-SD(I/W)(2520)

ES15V-EC-SD(1520)

ES25V-EC-SD(2520)



SD White- Series



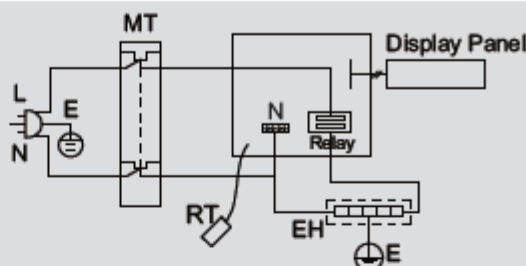
SD Ivory- Series

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

Specifications

Electrical Diagram

L: Live Wire(Brown/Red)
 N: Neutral Wire(Blue/Black)
 MT: High temperature limiter
 RT: Sensor
 EH: Heating element
 E: Earthing Wire(Yellow&Green)



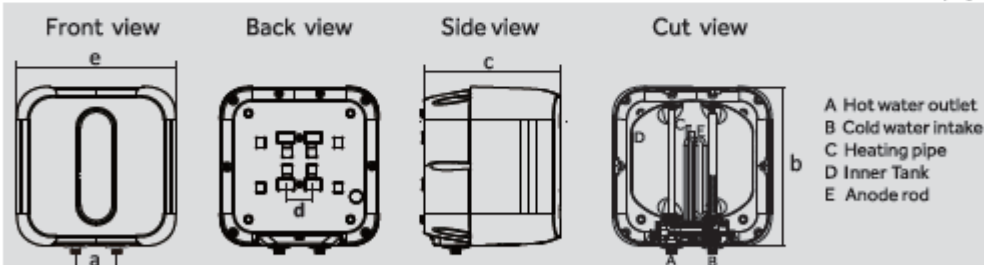
Technical Parameters

Item	Unit	ES15V	ES25V
Model	—	1520	2520
Rated Voltage	V	230	230
Rated Frequency	Hz	50	50
Rated Pressure	MPa	0.80	0.80
Rated Power	W	2000	2000
Net Weight	kg	9.2	13.5
Rated Capacity	L	15	25
Waterproof Grade	IP	IPX4	IPX4
Mixing Factor (maximum)	%	35	35
Tap Water Pressure (minimum)	MPa	0.005	0.005
Mean Hot Water Output (minimum)	°C	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	25	45
Diameter of Power Wire	mm ²	3×1.0	3×1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

Introduction Of Exterior And Accessories

(Fig. 2)

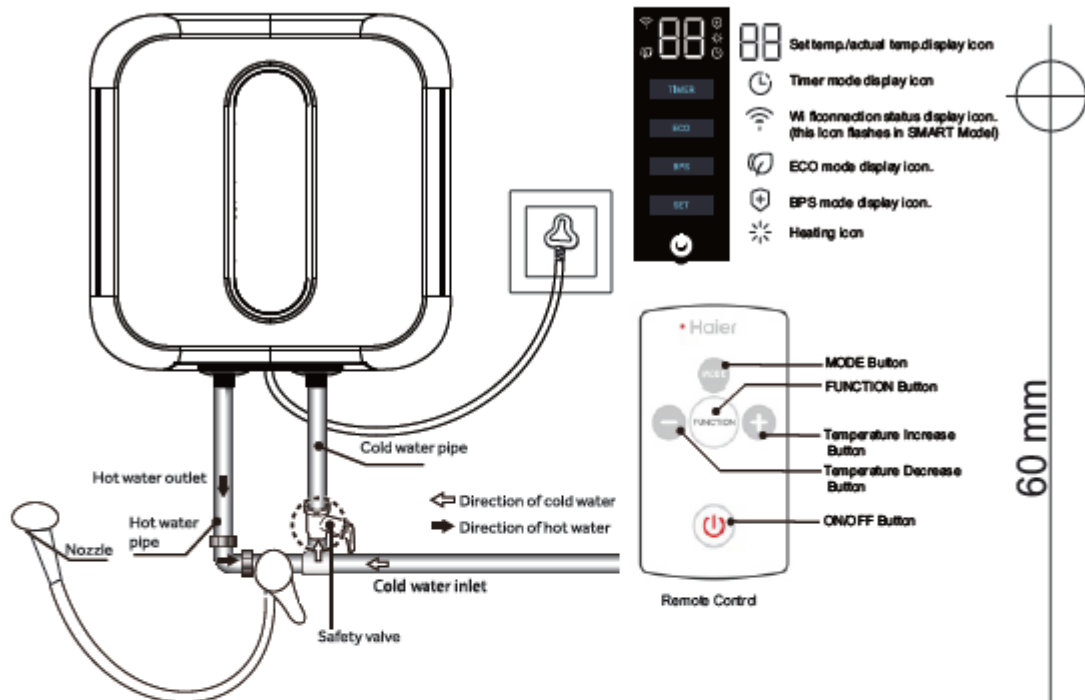


Model	a	b	c	d	e
ES15V-SD	100mm	390mm	355mm	60mm	390mm
ES25V-SD	100mm	460mm	412mm	60mm	460mm

Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

Installation Instruction

Description of Parts



Installing Safety valve

- Install the safety valve which has a rated pressure of 0.80 0.005MPa (its connection) is G1/2 into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.

- Installation method for safety valve's drainage pipe: 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 to 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.



Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

If Safety Valve is not installed, Product will not consider for Warranty .

> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**

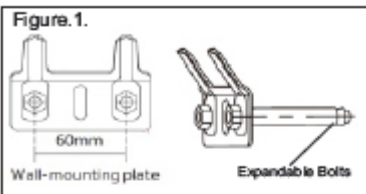
> **If Safety Valve is not installed, Product will not consider for warranty.**

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.

2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Installation Method

- Must be installed by personnel in our Haier Service Person 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 SS Braided pipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Further more install loose joint at suitable locations for the water intake and outlet.
 - Use impact drill for two holes of 75mm deep with a diameter of 12mm each at the locations based on the installation requirements. Fasten the wall-mounting plate on the wall tightly with two expansion bolts as per indicated in Fig.1. Check and confirm that the bolts are not loose. Hang the water heater vertically onto the wall by the wall-mounting plate. Confirm it is firmly mounted. 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.
 - For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
 - Considering Ease of Water Heater Operation, place the remote control as per your convenient place.
- 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



- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.005MPa, and not more than 0.25 Mpa., else it may lead to Safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater is hung should be strong such as it is able to withstand 4 Times the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn-off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the Water Tank is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

Operation


ON/OFF

1. Press  button to turn on the water heater. The initial system default state is displayed at the initial power-on. Press  to turn off.
2. System default: The water heater defaults to the heating mode, and the default setting temperature is 75 °C. By default TIMER, BPS function is off. After power-on or start up, the machine will enter the state and settings before the last power-off or shutdown.

TEMPERATURE SETTING

Press the "SET" button once to query the set heating temperature. When display is flashing, each time the "SET" button is pressed, the temperature value changes between 35°C and 75°C in units of 5°C. Under the Timer mode, press "SET" button can set the timer temperature. The setting method is same with the above temperature setting. For any temperature setting more than 55°C, when the temperature drops below by 10°C, the heater automatically restarts the heating. For temperature setting less than 55°C, when the temperature drops below by 5°C, the heater automatically restarts the heating.


TIMER MODE

In the power ON state, press the "TIMER" button once to enter the TIMER mode, and the icon  lights ON. The display flashes the time of current timer. Press the "TIMER" button to adjust the time of timer. Each time the "TIMER" button is pressed the value changes between 01 to 23 in Units of one. For eg. If the time of 10 is selected, the water heater will be ready with tank full of hot water (at the set temperature) after exactly 10 hours. The default is 7 hour for first time. If there is no operation for 6 seconds, the displayed time is saved in the setting. After completing this timer setting, the system returns to the mode before the TIMER mode.

As indicated above, the temperature in the TIMER mode can be set by pressing the SET button. We can set any required temperature from 35°C to 75°C in units of 5°C.

In the TIMER mode, press the "TIMER" button again to exit the TIMER mode, the icon  stop flashing. Also, pressing of any mode button eg. ECO / BPS, will exit the Timer mode.

ECO FUNCTION






Press the "ECO" button, then enter the ECO mode, and the icon  Light On. The digital display flash 50°C, then display the actual temperature. The setting temperature is 50 °C and is not adjustable under this mode. When the water temperature drops to 45 °C, the machine will automatically start heating to 50 °C and stop.

BPS FUNCTION

Press the "BPS" button, then enter the BPS function & the icon  lights On. The digital display flash 75 °C, then display the actual temperature. The setting temperature is not adjustable under this mode.

In BPS mode, the bacteria will be killed and the water quality will be improved. Press the BPS button again to exit BPS mode.

REMOTE CONTROL INSTRUCTION

- ① Press  button to switch ON/OFF the water heater. The Water Heater will display the same Function which was before the last power off or shutdown.
- ② Press the MODE button to enter in timer mode. After pressing MODE button,  icon lights ON. Each time after pressing MODE button, timer value changes from 01 to 23 gradually in Units of one.
- ③ Press the FUNCTION button to enter in ECO, BPS or SET Temperature Function
 1. Initially after pressing the Function button you will get ECO Function and  icon lights on display and displays 50°C.
 2. On next press, you will get the BPS Function and  icon lights on display and display the 75°C.
 3. On next press, you will enter in Heating Function and  icon lights on display. In this mode, you can adjust temperature from 35°C to 75°C by using + button for increasing temperature and - button for reducing temperature.

Things to note during use

- 1 Do not connect the power before filling the Inner Tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3 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 life span.
- 4 Do not place inflammable substances such as petrol near the water heater otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6 Typical noise during heating is normal phenomena, and the noise intensity varies with respect to water hardness.
- 7 Pl ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Cleaning And Maintenance • Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner chamber. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. 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 lever upside/outward. (take care not to hurt your hand).
If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container of water.
- 4 Remove the battery cell from the remote control

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.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual (book)	Expansion Bolts (pcs)	Remote control	Wall Mounting Bkt. (pcs)	Flexible Pipes
ES15V		1	1	1	2	1	1	2
ES25V								

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	Check and clear
Only cold water but the heating indicator light is glow	1 Whether mixing valve is towards cold water side	Check and open hot water mixing valve.
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	3 Heating time is too short and set temperature is not achieved	Continue heating
	4 Whether heating pipe is damaged	Confirm this is not due to the reasons 1, 2, 3, then contact Haier Service Person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm this is not due to the reason 1, then contact Haier Service Person.
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 this is not due to the reason 1, then contact Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

Haier

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Rev.0207.10.2024

Haier

Haier Home Water Heater

Instruction Manual

ES15V-SD WIFI (1520)

ES25V-SD WIFI (2520)

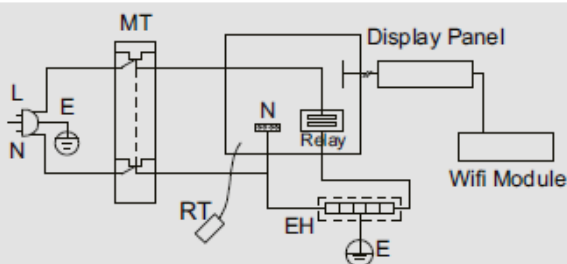


- Please read this Instruction Manual carefully before use.
- Please retain this manual for future reference.

Specifications

Electrical Diagram

L: Live Wire(Brown/Red)
 N: Neutral Wire(Blue/Black)
 MT: High temperature limiter
 RT: Sensor
 EH: Heating element
 E: Earthing Wire(Yellow&Green)



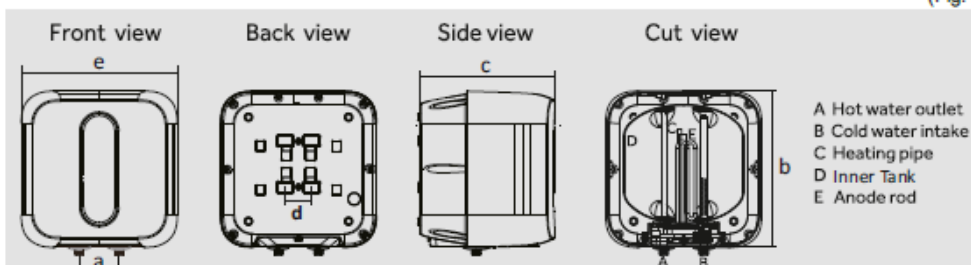
Technical Parameters

Item	Unit	ES15V-SD WIFI	ES25V-SD WIFI
Model	—	1520	2520
Rated Voltage	V	230	230
Rated Frequency	Hz	50	50
Rated Pressure	MPa	0.80	0.80
Rated Power	W	2000	2000
Net Weight	kg	9.8	13.4
Rated Capacity	L	15	25
Waterproof Grade	IP	IPX4	IPX4
Mixing Factor (maximum)	%	35	35
Tap Water Pressure (minimum)	MPa	0.05	0.05
Mean Hot Water Output (minimum)	°C	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	25	45
Diameter of Power Wire	mm ²	3×1.0	3×1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

Introduction Of Exterior And Accessories

(Fig. 2)

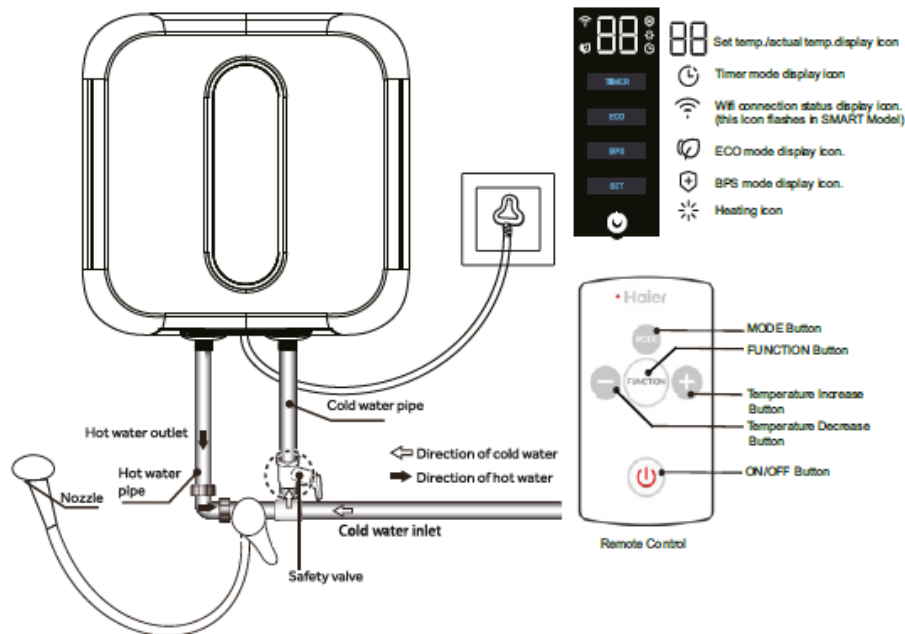


Model	a	b	c	d	e
ES15V-SD WIFI	100mm	390mm	355mm	60mm	390mm
ES25V-SD WIFI	100mm	460mm	412mm	60mm	460mm

Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

Installation Instruction

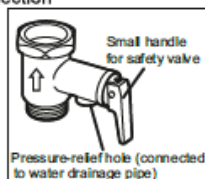
Description of Parts



Installing Safety valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ MPa}$ (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.

- Installation method for safety valve's drainage pipe: 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 to 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.



(Fig.3)

Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

If Safety Valve is not installed, Product will not consider for Warranty.

> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar.**

> **If Safety Valve is not installed, Product will not consider for Warranty.**

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.

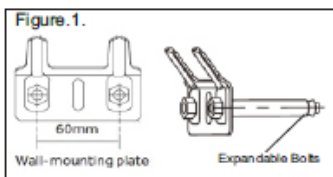
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.



Please use this Template to drill 2 holes($\phi 12 \text{ mm}$, 75 mm Deep) for mounting the water heater.

Installation Method

- Must be installed by personnel in our Haier Service person or designed installation personnel.
 - The water heater is wall-mounted type.
 - First determine the installation position of the water heater based on your needs. Use SS Braided pipe recommended for installation. It should be such that maintenance, repair and dismantling of the water heater is convenient. Further more install loose joint at suitable locations for water intake and outlet.
 - Use impact drill for two holes of 75mm deep with a diameter of 12mm each at the locations based on the installation requirements. Fasten the wall-mounting plate on the tightly with two expansion bolts as per indicated in fig.1. Check and confirm that the bolts are not loose. Hang the water heater vertically onto the wall by the wall-mounting plate. Confirm it is firmly mounted. 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 there respective position. fill the inner chamber with water to check whether there is any water leakage. If so, the connections must be re-dine and properly carried out.
 - For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
 - Considering Ease of Water Heater Operation, place the remote control place as per your convenient place.
- 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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
 - Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25MPa, else it may lead to safety valve dripping.
 - 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
 - The wall on which the water heater should be strong such as it is able to withstand fourth the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
 - The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
 - Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
 - Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
 - Use pen multimeter to check whether the live line and neutral 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.
 - 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 Haier Service Person if the pipes or 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.
 - 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.
- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn-off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the Water Tank is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

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 light is glow	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	3 Heating time is too short and set temperature is not achieved	Continue heating
	4 Whether heating pipe is damaged	Confirm this is not due to the reasons 1, 2, 3, then contact Haier Service Person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm this is not due to the reason 1, then contact Haier Service Person.
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 this is not due to the reason 1, then contact Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

Error Troubleshooting

Error Display	Error Description	Logical Judgement Condition	Service
E2 (E2)	Over temperature Alarm	When the temperature is greater than 35 degrees, enter the dry-burning judgment procedure. If the time of one-degree increase for 10 consecutive tests is less than 4s, it is judged to be dry-burning. Cut off the power supply of the heating tube and display "E2".	Determine if the machine is filled with water. If the heating tube system is full of water, determine whether a large amount of scale has been generated and replace the heating tube.
E3 (E3)	Sensor Fault Alarm	When sensor appears short, open circuit, cut off the heating tube power supply, and display "E3".	Judge whether the terminal connector of sensor, display board and power board is loose and the line is unblocked; Whether the sensor is open or short circuit; Whether the parts of the power board and display board related to the sensor circuit are welded or damaged.
F0 (F0)	Wifi Error	If the configuration is not successful, the WIFI module and the control board do not communicate successfully, then the display board double 8 flashes to display the fault code "F0" at the frequency of 1HZ.	Wifi module is damaged Wifi signal cable is damaged. Some Wifi connectors are loose. Wifi circuit device on display board is damaged or short circuit, open circuit, connected welding.

Cleaning , Maintenance & Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner chamber. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. 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 lever upside/outward. (take care not to hurt your hand).
If there is water flowing out, the safety valve is working normally; please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not to be scalded by hot water), drain the inner container of water.
- 4 Remove the battery cell from the remote control

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.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual (book)	Expansion Bolts (pcs)	Remote control	Wall Mounting Bkt. (pcs)	Flexible Pipes
ES15V		1	1	1	2	1	1	2
ES25V								

Instructions for Connecting Haier Smart Water Heater



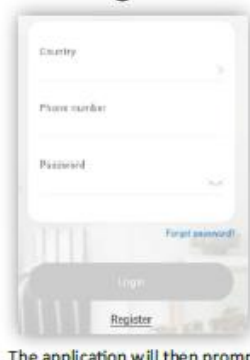
Scan for Download
"Haier Smart" App

Preparation before connection

- For Product Installation required Wireless Router (in accordance with 802.11b/g/n protocol), also Choose Proper Network Provider for better Operation
- The router is connected to the external network (you can normally connect to external website, etc.);
- A smart phone / tablet supporting Android (version 6.0 Marshmallow onward) or iOS (version 9.0 onward);
- Scan the QR code on the right side or search for "Haier Smart" in the application market to download and install the app;
- Connecting the Water heater to Wi-Fi** Click the "add" in the upper right corner of the homepage
- Scan the QR code of the fuselage or manually input the device model to be connected;
- Follow the App operation wizard to connect Wi-Fi to the device, and follow the prompts to confirm;

Steps for Connecting Water Heater to Haier Smart

1 2 3 4



The application will then prompt for country code and mobile no. Input the details

5 6 7



Click on '+' to add devices, you will be taken to the next screen. Select WATER HEATER category.



Next, a new screen will display the relevant models, i.e. ES 15V-SD WiFi and ES 25V-SD WiFi. Select the appropriate model – 15L or 25L.



Follow the instructions given in app. You will get a prompt asking for the Home WiFi network and password. Enter, and you will navigate further through the Connection mode

You will receive an OTP. Update, and you are ready with the App. Screen display as shown

8



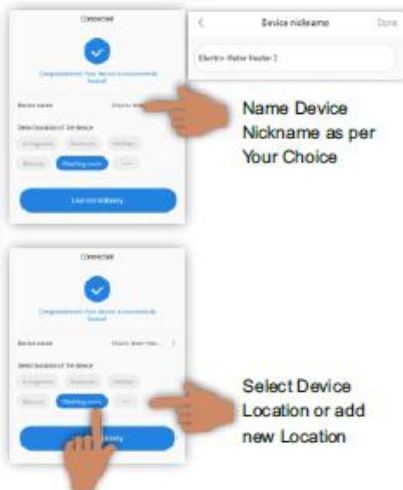
Select your Home WiFi Network & input WiFi Password, which is 2.4G Wi-Fi signal strength near the Water Heater is greater than -50dbm

9



Now, the Product WiFi will automatically get connected with the Home WiFi. In case the connection does not happen, we have to **manually** connect the Product WiFi with the Home WiFi as below.

10



Name Device Nickname as per Your Choice

Select Device Location or add new Location

Manual Connection



To manually select the Product WiFi, after getting the TIPS prompt, select "Connect manually".



We now get a screen with available WiFi networks in the vicinity. Select the WiFi network having name starting with U-EWH XXXX (This is the Product WiFi identity). This may take a few seconds.

Once this is done, we get the above screens in sequence. User may select the relevant option.





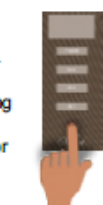
App is ready for Operation

We can now start operating the water heater using the mobile application. The product can now be controlled from anywhere in the world using your mobile app (Ensure to keep the product WiFi network enabled).

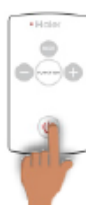
Operation

ON/OFF

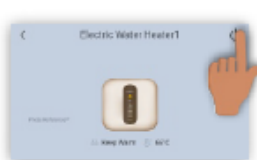
1. Press  button to turn on the water heater. The initial system default state is displayed at the initial power-on. Press  to turn off.
2. System default: The water heater defaults to the heating mode, and the default setting temperature is 75°C. By default, TIMER & BPS function is off. After power-on or start up, the machine will enter the state and settings before.
3. On/Off operation is also operated in SD WiFi model with the help of Haier Smart App. functions & modes are same as per above.



On/ Off button on Product



On/ Off button on Product remote



On/ Off button on Haier Smart App*

TEMPERATURE SETTING

Press the "SET" button once to query the set heating temperature. When display is flashing, each time the "SET" button is pressed, the temperature value changes between 35°C and 75°C in units of 5°C. Under the Timer mode, press the "SET" button can set the timer temperature. The setting method is same with the above temperature setting.

This heater is provided the function of automatic constant temperature control, when the setting temperature is more than 55°C, and the actual temperature lowered 10°C from the setting value, the heater will start automatically for heating; when the setting temperature is less than 55°C, & the actual temperature lowered 5°C, the heater will start automatically for heating.



on Product



To decrease on Product remote

To increase on Product remote



Scroll to decrease or increase Temp.

on Haier Smart App*

TIMER MODE

By enabling TIMER function, the user can get desired temperature of hot water after the selected units of hours (from 01 to 23). The default temperature in Timer mode is 75°C, which can be adjusted anywhere between 35 to 75 °C in the TEMPERATURE SETTING, as described above. In the app, there is another feature as "Schedule Mode", where the user can set the actual ON time of the product along with the required temperature. For this, follow the below steps.



Set Timer (Delay Mode) By Pressing 'Timer' on Product



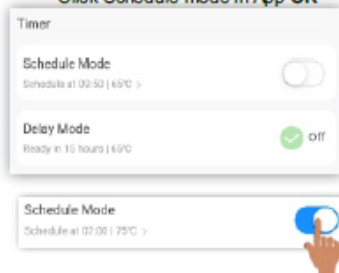
Set Temperature by Pressing 'SET' on Product

OR

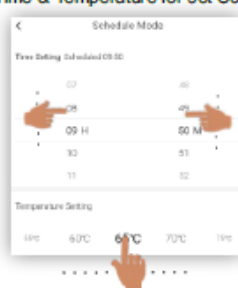


- 1) SET Timer (Delay Mode) By Pressing 'Mode' Button
- 2) Set Temperature by pressing '+' & '-' on Remote

Click Schedule mode in App OR



Scroll Time & Temperature for set Schedule



To Start Schedule Mode, Click Save & Start.


on Haier Smart App*

(# Continue Power Supply & 2.4G WiFi Connectivity must required.)

This smart water heater will automatically switch ON the heater as per the set time and temperature, and the tank will be full of hot water at the set time and temperature.

Note - The scheduler will function only if the main supply is kept in ON condition and the Home WiFi network is connected. In case of power failure, the TIMER mode gets disabled. User has to re-enter the TIMER mode to get required hot water temperature at required time.

ECO FUNCTION

Press the ECO button to enter this mode, and the icon  gets highlighted. The digital display flashes 50°C for a few seconds and then shows the actual water temperature. If the actual water temperature is less than 50°C, heating will start till the tank water temperature reaches 50°C. The setting temperature in this mode is 50°C and is not adjustable.

When the water temperature drops down to 45°C, the system will automatically start heating and stop after reaching 50°C.



Press the "ECO" button,
then enter the ECO mode,
on Product




Press the "FUNCTION" button,
then enter the ECO mode,
on Product Remote



Press the "ECO" button,
then enter the ECO mode,
on Haier Smart App *

BPS / I-BPS FUNCTION (Bacteria Protection System)

Press the BPS button to enter this mode, and the icon  gets highlighted. The digital display flashes 75°C for a few seconds and then shows the actual water temperature. If the actual water temperature is less than 75°C, heating will start till the tank water temperature reaches 75°C. The setting temperature in this mode is 75°C and cannot be adjusted.

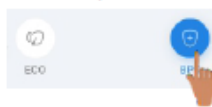
This feature accelerates destruction of bacteria present in the water, and is recommended to be used once in a month.



Press the "BPS" button,
then enter the BPS
mode, on Product



Press the "FUNCTION"
button, then enter the BPS
mode on Product Remote



Press the "BPS" button,
then enter the BPS mode,
on Haier Smart App *

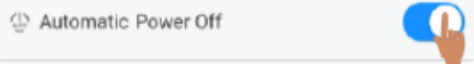


Select i-BPS
days Cycles

AUTOMATIC POWER OFF FUNCTION






This feature is available only on the mobile application. Enabling this feature will ensure that the water heater goes into Power OFF mode, once any of the TIMER or ECO function cycle is completed. To get back to the earlier mode, the water heater has to be switched ON again (via the mobile app, remote device or product switch).

If this feature is disabled, the water heater will continue its cyclic ON/OFF pattern throughout the day (after completion of the Timer or Eco mode cycle), which may cause unnecessary power consumption.



Automatic Power Off Function Scroll Button is On/ off
by this Button in Haier Smart App *

REMOTE CONTROL INSTRUCTION

- 1 Press  button to switch ON/OFF the water heater. The Water Heater will display the same Function which was before the last power off or shutdown.
- 2 Press the MODE button to enter in timer mode. After pressing MODE button,  icon lights on display. Each time after pressing MODE button, timer value changes from 01 to 23 gradually in Units of one.
- 3 Press the FUNCTION button to enter in ECO, BPS and SET Temperature Function
 - 1. Initially after pressing the Function button you will get ECO Function and  icon lights on display and display the 50°C.
 - 2. On next press, you will get the BPS Function and  icon lights on display and display the 75°C.
 - 3. On next press, you will enter in Heating Function and  icon lights on display. In this mode, you can adjust temperature from 35°C to 75°C by using + button for increasing temperature and - button for reducing temperature.

Things to note during use

- 1 Do not connect the power before filling the inner Tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3 As far as possible, ensure to set a lower temperature of hot water (50-55 °C). This will save energy and also extend the life of water heater, as any potential corrosion/scaling aggravates with high temperature.
- 4 Do not place inflammable substances such as petrol near the water heater otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6 Typical Noise during heating is normal phenomena and noise intensity varies with respect to water hardness.
- 7 Pl ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not cover warranty.

(# Continue Power Supply and 2.4G WIFI Connectivity must required.)

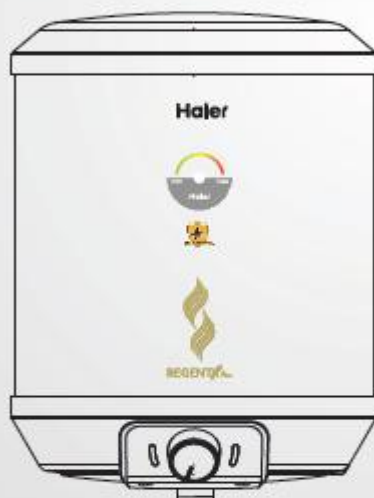
Haier

Haier Home Water Heater

Instruction Manual

ES15V-REGENTA PRO+(1530)

ES25V-REGENTA PRO+(2530)



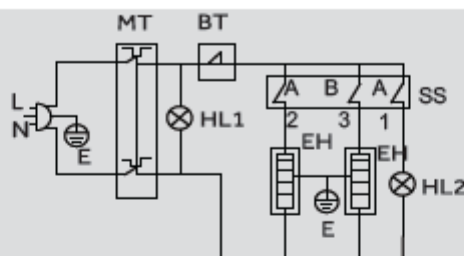
REGENTA PRO+ SERIES

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT: High Temperature Limiter
 BT: Thermostat
 HL 1: Power Indicator
 HL 2: Heating Indicator
 EH: Heating Element
 E: Earthing Wire (Yellow & Green)
 SS: Selector Switch



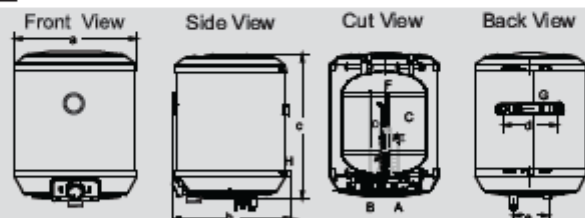
Technical Data

Item	Unit	ES15V	ES25V
Model No	—	1530	2530
Rated Voltage	V	230	230
Rated Frequency	Hz	50	50
Rated Pressure	MPa	0.80	0.80
Rated Power	W	1000/2000/3000	1000/2000/3000
Net Weight	kg	8.5	11
Rated Capacity	L	15	25
Waterproof Grade	IP	IPX4	IPX4
Mixing Factor (Maximum)	%	35	35
Tap Water Pressure (Minimum)	MPa	0.005	0.005
Mean Hot Water Output (Minimum)	°C	50	50
Re-heating Time (For temperature rise of 50°C)(Maximum)	minutes	3000W , 25min	3000W , 45min
Diameter of Power Wire	mm ²	3×1.5	3×1.5

Remarks: The permitted error limit of above net weight is $\pm 10\%$. Parameters subject to change without notice.

Introduction Of Exterior And Accessories

(Fig. 1)



A: Water inlet pipe
 B: Water outlet pipe
 C: Inner tank
 D: Dual Heating Element
 E: Anode rod
 F: Thermostat Pipe
 G: Wall mount bracket
 H: Rear Support

Model	a	b	c	d	e
ES15V	348mm	368mm	417mm	152mm	100mm
ES25V	382mm	404mm	518mm	152mm	100mm

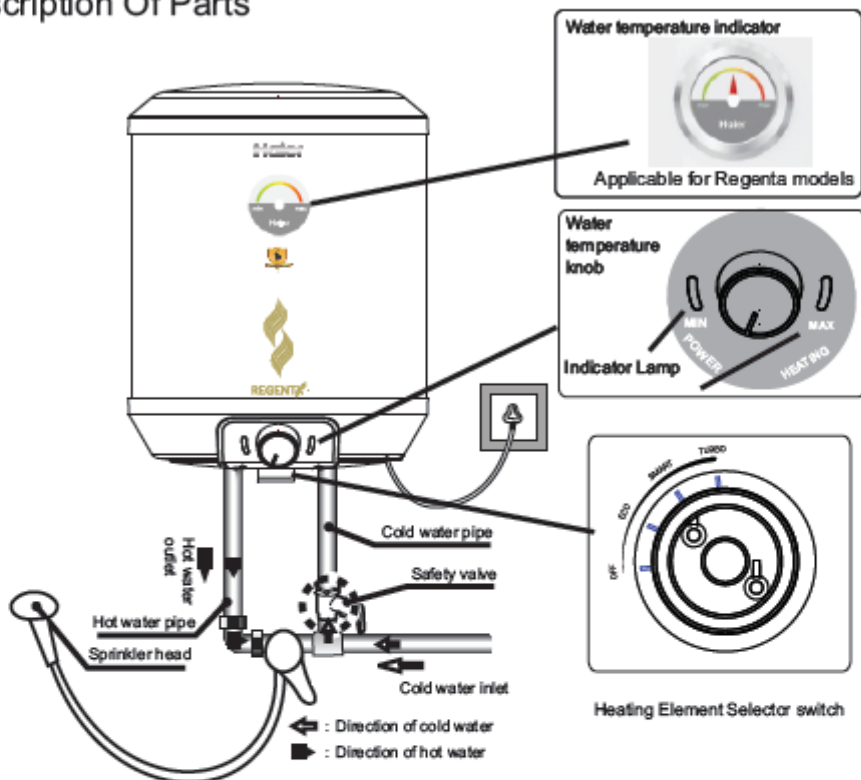
Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

2. Water temperature indicator is not a precision thermometer. It consists of three areas denoted by green; orange and red, which indicate the temperature of water in the inner chamber from low to high respectively. (Water temperature indicator applicable for this Models.)



Installation Instruction

Description Of Parts



Installing Safety Valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ Mpa}$. (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Installation method for safety valve's drainage pipe: 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 to 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.



(Fig.2)

Note : If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

- > **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar.**
- > **If Safety Valve is not installed, Product will not consider for Warranty.**

Installation Method

- Must be installed by personnel in our Haier Service Person or designated installation personnel.

- The water heater is wall-mounted type.

- Determine the installation position of the water heater. Based on the measurements indicated in at the botom of page 1, use impact drill to drill two holes of 12mm in diameter and 65mm in depth. Insert the expandable hooks into the holes and ensure that they are securely fixed. Lift the water heater and slip its wall mount support onto the expandable hooks (as show in Fig.3). Check to make sure the machine is securely suspended. For accessories such as safety valve, please refer to the "Installation of Safety Valve" (for reference only). Make sure to seal the joints with Teflon tapes to prevent water leakage.

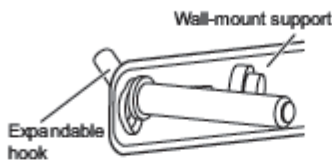


Fig.3

- For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.

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

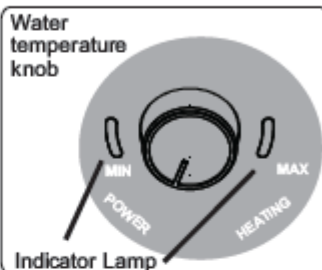
- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the bottom section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25MPa, else it may lead to safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand four times the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.
- Household wiring should be at least 1.5sq mm configuration.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the inner tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head 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 no water leakage before connecting to power.

Operation

- 1 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; Slowly turn the knob clockwise to raise the temperature setting. The knob will not continue to turn once it reaches maximum temperature setting. Turn it anticlockwise gradually to reduce the temperature setting. Once the minimum temperature setting is reached, the water heater's power will be cut off if you continue to turn the water temperature knob.
- If the Power indicator light is ON, it means that the water heater power supply is on.
- If the heating indicator light is ON, it means that the water heater is heating.
- If the heating indicator light is off, it means that heating is complete and that the water heating is on standby or cut off.
- 2 Observe the water temperature indicator for the current water temperature.
- 3 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature, power will be automatically connected.
- 4 Observe the water drainage of the safety valve's pressure-relief hole.
When the water pressure is $\geq 0.08 \pm 0.005 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.
- 5 User can select either 1kw, 2kw or 3kw heating mode as per requirement by rotating the knob (Eco, smart, turbo) resp.



Water temperature indicator



Applicable for Regenta models

Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water hardness.
- 7) Please ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Cleaning and Maintenance • Packing list

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner tank. Depending on the local water quality and the usage habit, the anode rod might need to be regularly changed. If maintenance is required, please contact the Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. Please contact the Haier Service Person 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 Haier 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:

- 1 Turn off the water pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner tank 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 tank with water before use.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Anchor Fastners (pcs)	Flexi Installation Pipes (pcs)
ES15V REGENTA PRO+		1	1	1 & 1	2	2
ES25V REGENTA PRO+						

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 light is glow	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	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 Haier Service person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm it is not due to the reason under 1, then contact Haier Service Person
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 Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

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Haier Home Water Heater

Instruction Manual

ES10V-REGENTA/ESTILE(1022)

ES15V-REGENTA/ESTILE(1522)

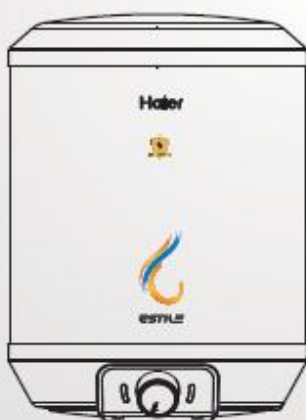
ES25V-REGENTA/ESTILE(2522)

ES15V-REGENTA DIGITAL(1522)

ES25V-REGENTA DIGITAL(2522)



REGENTA - SERIES



ESTILE - SERIES



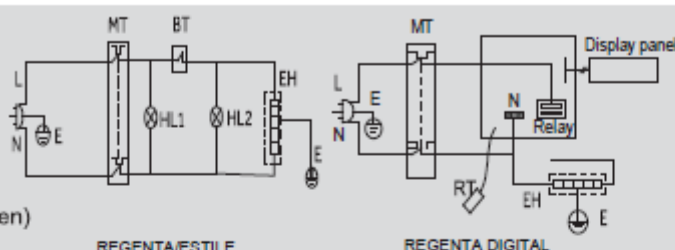
REGENTA - DIGITAL

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT: High Temperature Limiter
 BT: Thermostat
 HL 1: Power Indicator
 HL 2: Heating Indicator
 EH: Heating Element
 E: Earthing Wire (Yellow & Green)
 RT : Sensor



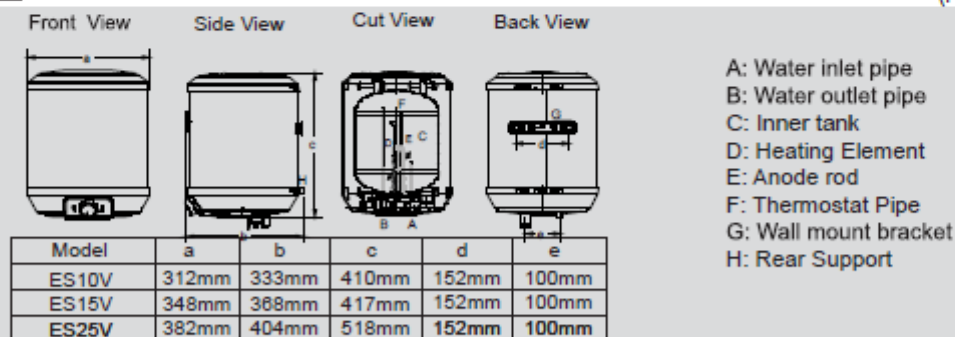
Technical Data

Item	Unit	ES10V	ES15V	ES25V
Model No	—	1022	1522	2522
Rated Voltage	V	230	230	230
Rated Frequency	Hz	50	50	50
Rated Pressure	MPa	0.80	0.80	0.80
Rated Power	W	2200	2200	2200
Net Weight	kg	7	8.5	11
Rated Capacity	L	10	15	25
Waterproof Grade	IP	IPX4	IPX4	IPX4
Mixing Factor (Maximum)	%	35	35	35
Tap Water Pressure (Minimum)	MPa	0.005	0.005	0.005
Mean Hot Water Output (Minimum)	°C	50	50	50
Re-heating Time (For temperature rise of 50°C)(Maximum)	minutes	18	23	41
Diameter of Power Wire	mm ²	3×1.5	3×1.5	3×1.5

Remarks: The permitted error limit of above net weight is $\pm 10\%$. Parameters subject to change without notice.

Introduction Of Exterior And Accessories

(Fig. 1)

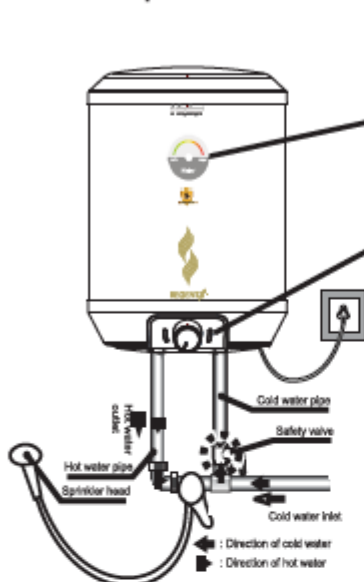


Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

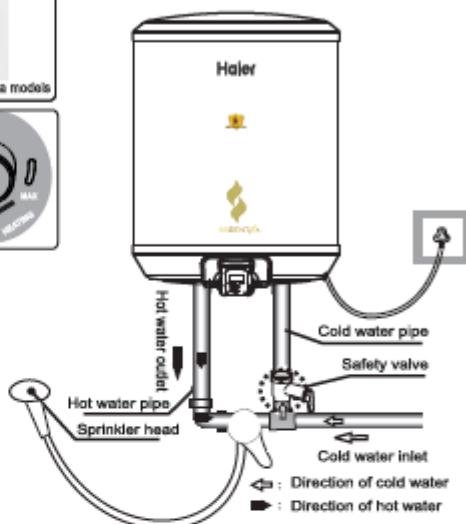
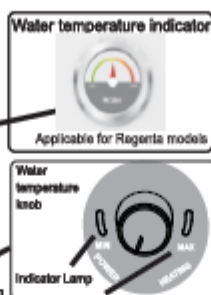
2. Water temperature indicator is not a precision thermometer. It consists of three areas denoted by green; orange and red, which indicate the temperature of water in the inner chamber from low to high respectively. (Water temperature indicator applicable only for 10/15/25V(REGENTA) Models.)

Installation Instruction

Description Of Parts



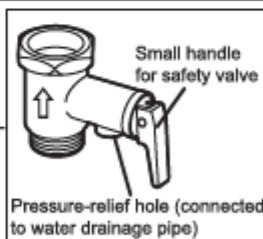
REGENTA/ESTILE



REGENTA - DIGITAL

Installing Safety Valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ Mpa}$. (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Installation method for safety valve's drainage pipe: 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 to 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.



(Fig.2)

Note : If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar.**

> **If Safety Valve is not installed, Product will not consider for Warranty.**

Installation Method

- Must be installed by personnel in our Haier Service Person or designated installation personnel.

- The water heater is wall-mounted type.

- Determine the installation position of the water heater. Based on the measurements indicated in at the bottom of page 1, use impact drill to drill two holes of 12mm in diameter and 65mm in depth. Insert the expandable hooks into the holes and ensure that they are securely fixed. Lift the water heater and slip its wall mount support onto the expandable hooks (as show in Fig.3). Check to make sure the machine is securely suspended.

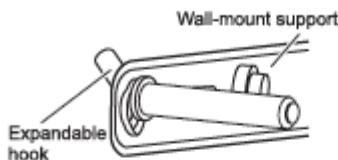


Fig.3

- For accessories such as safety valve, please refer to the "Installation of Safety Valve" (for reference only). Make sure to seal the joints with Teflon tapes to prevent water leakage.

- For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.

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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the bottom section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25MPa, else it may lead to safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand four times the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the inner tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head 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 no water leakage before connecting to power.

Operation

REGENTA/ESTILE MODEL

- 1 Adjust the water temperature knob at the bottom of the water heater to set the temperature.
- 2 Maximum water temperature setting is 75°C Temperature adjustment knob; Slowly turn the knob clockwise to raise the temperature setting. The knob will not continue to turn once it reaches maximum temperature setting. Turn it anticlockwise gradually to reduce the temperature setting. Once the minimum temperature setting is reached, the water heater's power will be cut off if you continue to turn the water temperature knob.
- 3 If the Power indicator light is ON, it means that the water heater power supply is on.
- 4 If the heating indicator light is ON, it means that the water heater is heating.
- 5 If the heating indicator light is off, it means that heating is complete and that the water heating is on standby or cut off.
- 2 Observe the water temperature indicator for the current water temperature.
- 3 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature, power will be automatically connected.
- 4 Observe the water drainage of the safety valve's pressure-relief hole.

When the water pressure is $\geq 0.080 \pm 0.005 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water it means that the water pressure is excessive.

REGENTA - DIGITAL MODEL

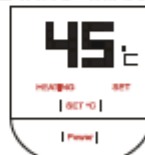
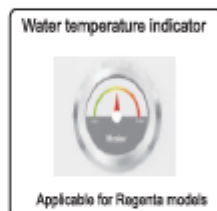
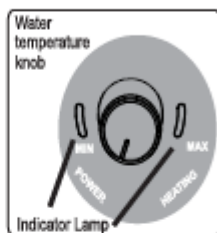
- 1 Switch on the power supply of water heater, screen will display full digits for 1 second, then goes into Standby status (No display on screen) or the previous working status before power cut.
- 2 By pressing the button "power", water heater will start working by default setting of 75°C or by the previous setting before power cut. User can find in the screen that the symbol "HEATING" will be lighted. The screen will also display current temperature in the water heater.
- 3.1 In working status, users can choose setting temperature by pressing the button "SET °C". By the pressing the button "SET °C", user can find in the screen the symbol "SET" will be lighted. By pressing "SET °C" again and again the setting temperature will circulate in the following sequence 35°C- 40°C- 45°C-50°C-55°C- 60°C-65°C-70°C-75°C-35°C.....
- 3.2 After choosing the setting temperature for 6 seconds, the symbol "SET" will be off, screen will display current temperature in the water heater. If the current temperature is lower than setting temperature, water heater will continue heating water. If the current temperature is higher than setting temperature, water heater will start heat preservation mode.

- 4 When current water temperature is higher than setting temperature, water heater will start heat preservation mode.

In the heat preservation mode, if the setting temperature is higher than 55°C, the water heater will restart to heat water when temperature drops 10°C. If the setting temperature is lower than 55°C, the water heater will restart to heat water when temperature drops 5°C.

Note: If current water temperature is above the setting temperature, then water heater will get into heat maintaining mode, "HEATING" light is off; When current water temperature is lower than the setting temperature, then water heater will get into heating mode, the "HEATING" light will be on till the setting temperature reached.

- 5 Switch off the water heater by pressing | Power | button after using.



Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water hardness.
- 7) Pl ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Note:

1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Cleaning and Maintenance • Packing list

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner tank. Depending on the local water quality and the usage habit, the anode rod might need to be regularly changed. If maintenance is required, please contact the Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. Please contact the Haier Service Person 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 Haier 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:

- 1 Turn off the water pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner tank 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 tank with water before use.

Packing List

Quantity	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Anchor Fastners (pcs)	Flexi Installation Pipes* (pcs)
Model						
ES10V		1	1	1 & 1	2	2
ES15V						
ES25V						

Troubleshooting

Symptom	Things to Check	Solutions
No water	No water supply or water pressure is too low	Check
	Water use point is blocked or hot water valve is closed	Check and clear
Only cold water	Hot water access close	Check and open
	Temperature not set to desired setting	Increase the temperature to the required value.
	Heating time limit and setting temperature not obtain	Continue heating
	Defective elements	Contact with Haier Service Center when 1, 2 and 3 are excluded
Only cold water and the heating indicator light is not glow (Mechanical)	Whether power is properly connected	Check power socket
	Whether thermostat is out of control	Confirm it is not due to the reason under 1, then contact Haier Service Person
Heating indicator light is on all the time (Mechanical)	Water has not reached the set temperature	Continue heating
	Whether thermostat is out of control	Confirm it is not due to the reason under 1, then contact Haier Service Person.
Inconstant flow and temperature of water	Inconstant water pressure	Use after flux of mixing valve is turned down or use with constant water pressure
Small hot water outlet volume	Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	Excessive water pressure	Set lower mixing valve
Display E2 (DIGITAL)	Insufficient water in the tank liner	Power on after disconnection when filled with water
	Defective elements	Contact with Haier Service Center when 1 is excluded
Display E3 (DIGITAL)	Room temperature lower than -20°C	Cut off power, then connect power when ambient temperature more than -19°C
	Defective sensor	Contact with Haier Service Person when 1 is excluded

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Haier Home Water Heater

Instruction Manual

ES10V-PV-1/2 (PRECIS / PRECIS PRO)(1020)

ES15V-PV-1/2 (PRECIS / PRECIS PRO)(1520)

ES25V-PV-1/2 (PRECIS / PRECIS PRO)(2520)



Precis Pro Series



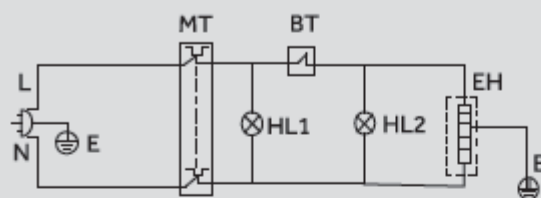
Precis Series

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT: High Temperature Limiter
 BT: Thermostat
 HL 1: Power Indicator
 HL 2: Heating Indicator
 EH: Heating Element
 E: Earthing Wire(Yellow & Green)



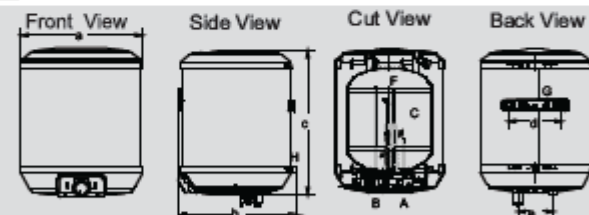
Technical Data

Item	Unit	ES10V	ES15V	ES25V
Model No	—	1020	1520	2520
Rated Voltage	V	230	230	230
Rated Frequency	Hz	50	50	50
Rated Pressure	MPa	0.80	0.80	0.80
Rated Power	W	2000	2000	2000
Net Weight	kg	7	8.5	11
Rated Capacity	L	10	15	25
Waterproof Grade	IP	IPX4	IPX4	IPX4
Mixing Factor (Maximum)	%	35	35	35
Tap Water Pressure (Minimum)	MPa	0.005	0.005	0.005
Mean Hot Water Output (Minimum)	°C	50	50	50
Re-heating Time (For temperature rise of 50°C)(Maximum)	minutes	20	25	45
Diameter of Power Wire	mm ²	3×1.0	3×1.0	3×1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$. Parameters subject to change without notice.

Introduction Of Exterior And Accessories

(Fig. 1)



A: Water inlet pipe
 B: Water outlet pipe
 C: Inner tank
 D: Heating Element
 E: Anode rod
 F: Thermostat Pipe
 G: Wall mount bracket
 H: Rear Support

Model	a	b	c	d	e
ES10V	312mm	333mm	410mm	152mm	100mm
ES15V	348mm	368mm	417mm	152mm	100mm
ES25V	382mm	404mm	518mm	152mm	100mm

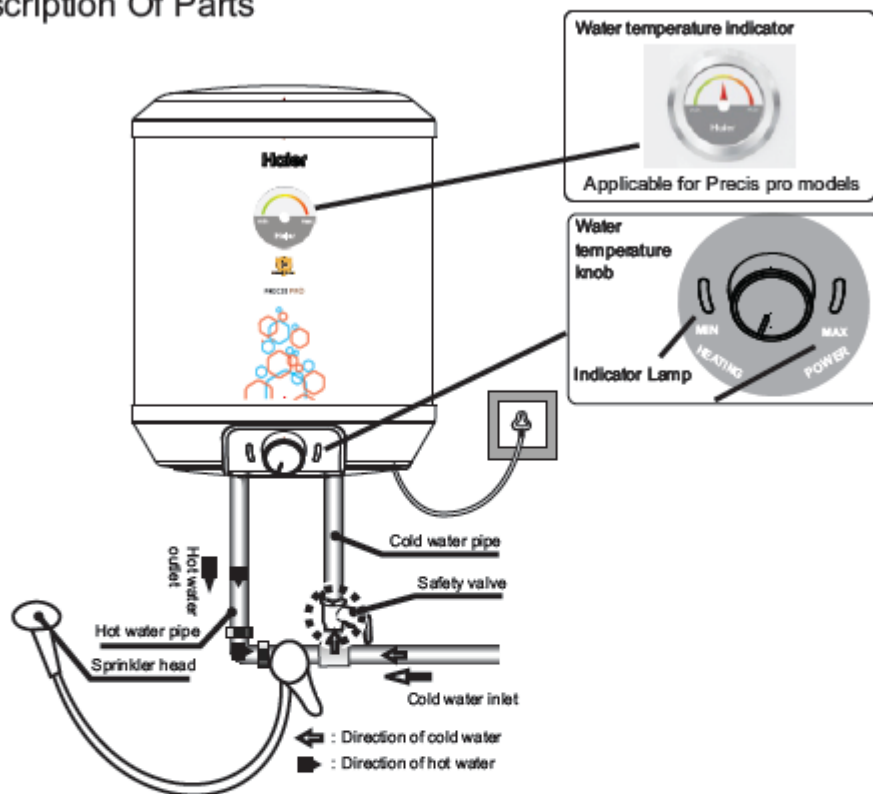
Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

2. Water temperature indicator is not a precision thermometer. It consists of three areas denoted by green; orange and red, which indicate the temperature of water in the inner chamber from low to high respectively. (Water temperature indicator applicable only for 10/15/25V(Precis Pro Models).)



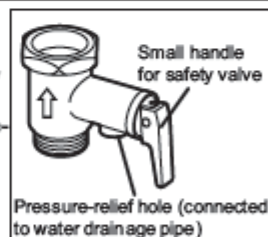
Installation Instruction

Description Of Parts



Installing Safety Valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ Mpa}$. (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Installation method for safety valve's drainage pipe: 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 to 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.



(Fig.2)

Note : If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

- > Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar.
- > If Safety Valve is not installed, Product will not consider for Warranty.

Installation Method

- Must be installed by personnel in our Haier Service Person or designated installation personnel.
 - The water heater is wall-mounted type.
 - Determine the installation position of the water heater. Based on the measurements indicated in at the bottom of page 1, use impact drill to drill two holes of 12mm in diameter and 65mm in depth. Insert the expandable hooks into the holes and ensure that they are securely fixed. Lift the water heater and slip its wall mount support onto the expandable hooks (as show in Fig.3). Check to make sure the machine is securely suspended. For accessories such as safety valve, please refer to the "Installation of Safety Valve" (for reference only). Make sure to seal the joints with Teflon tapes to prevent water leakage.
 - For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
- 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.

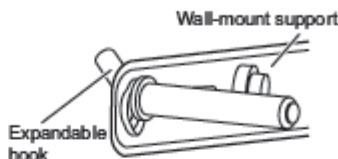


Fig.3

Installation Precautions

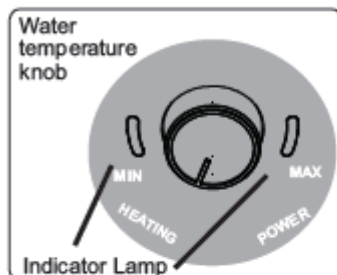
- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the bottom section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25MPa, else it may lead to safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand four times the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Person if the pipes or 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.
- 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.

Instruction Manual

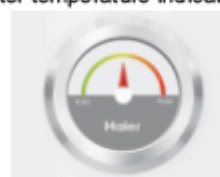
- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the inner tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head or the water outlet (indicating that the container is filled with water). Turn off the water outlet valve. Inspect all connections to ensure that there is no water leakage before connecting to power.

Operation

- 1 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; Slowly turn the knob clockwise to raise the temperature setting. The knob will not continue to turn once it reaches maximum temperature setting. Turn it anticlockwise gradually to reduce the temperature setting. Once the minimum temperature setting is reached, the water heater's power will be cut off if you continue to turn the water temperature knob.
 - If the Power indicator light is ON, it means that the water heater power supply is on.
 - If the heating indicator light is ON, it means that the water heater is heating.
 - If the heating indicator light is off, it means that heating is complete and that the water heating is on standby or cut off.
- 2 Observe the water temperature indicator for the current water temperature.
- 3 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature, power will be automatically connected.
- 4 Observe the water drainage of the safety valve's pressure-relief hole.
When the water pressure is $\geq 0.80 \pm 0.05 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.



Water temperature indicator



Applicable for Precise-Pro models

Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water hardness.
- 7) Please ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Note: 1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.

2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Cleaning and Maintenance • Packing list

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner tank should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner tank. Depending on the local water quality and the usage habit, the anode rod might need to be regularly changed. If maintenance is required, please contact the Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. Please contact the Haier Service Person 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 Haier 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:

- 1 Turn off the water pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner tank 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 tank with water before use.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Anchor Fastners (pcs)	Flexi Installation Pipes* (pcs)
ES10V-PRECIS / PRECIS PRO ES15V-PRECIS / PRECIS PRO ES25V-PRECIS / PRECIS PRO		1	1	1 & 1	2	2

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 light is glow	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	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 Haier Service person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm it is not due to the reason under 1, then contact Haier Service Person
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 Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

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Haier Home Water Heater

Instruction Manual

ES6V-Q1(0630)

ES6V-Q2/EC-Q2 (0630)

ES10V-Q1/EC-Q2(1020)



ES6V-Q1



ES6V-Q2/EC-Q2

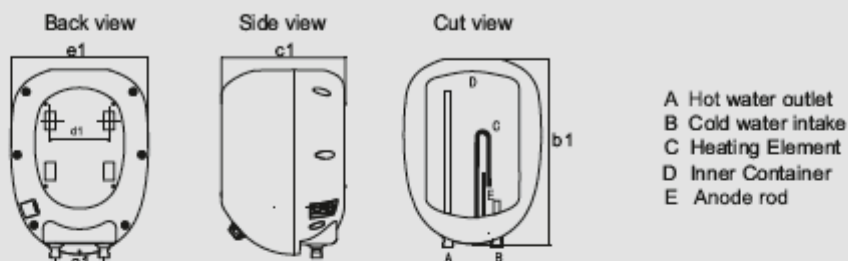


ES10V-Q1/EC-Q2

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

Specifications

Introduction Of Exterior And Accessories



Model	Net Weight (Kg)	Rated Capacity (L)	Mixing Factor Maximum	Average Temperature of Hot Water Outlet	Re-heating Time (a temperature rise of 50 °C) (Maximum)	Dimension of Power Wire (mm ²)	a1 (mm)	b1 (mm)	c1 (mm)	d1 (mm)	e1 (mm)
ES6V-Q1	5	6	30	50°C	20 min	3x1.5	100	348	246	120	273
ES6V-Q2/EC-Q2	5	6	30	50°C	20 min	3x1.5	100	364	266	100	285
ES10V-Q1/EC-Q2	7.2	10	35	50°C	20 min	3x1.5	130	350	270	160	350

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

Technical Data

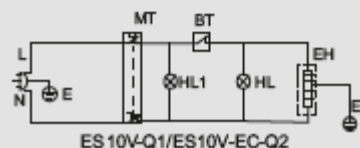
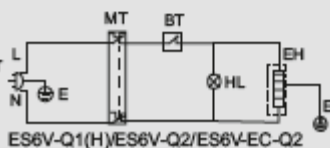
Model	Model No.	Rated Voltage/ Rated Power	Rated Frequency	Waterproof Grade	Rated Pressure	Tap Water Pressure (Minimum)
ES6V-Q1	0630	230V~/3000W	50Hz	IPX4	0.80 MPa	0.05 MPa
ES6V-Q2/EC-Q2	0630	230V~/3000W	50Hz	IPX4	0.80 MPa	0.05 MPa
ES10V-Q1/EC-Q2	1020	230V~/2000W	50Hz	IPX4	0.80 MPa	0.05 MPa

Packing List

Quantity	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual (copy)	Expandable Hook (pcs)
Product Model					
ES6V-Q1		1	1	1	2
ES6V-Q2/EC-Q2		1	1	1	2
ES10V-Q1/EC-Q2		1	1	1	2

Electrical Diagram

L : Live Wire (Brown/Red)
N : Neutral Wire (Blue/Black)
MT : High Temperature Limiter
BT : Thermostat
HL : Heating Indicator
EH : Heating Element
E : Earthing Wire (Yellow&Green)
HI1 : Power Indicator



Installation instruction

Installation Method



- Must be installed by personnel in our Haier Service Person or designated installation personnel.

Caution • The water heater is wall-mounted type.

- First determine the installation position of the water heater based on your needs use SS Braided pipe 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 container 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 0.25 Mpa, else it may lead to Safety valve dripping.
- 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 not 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.

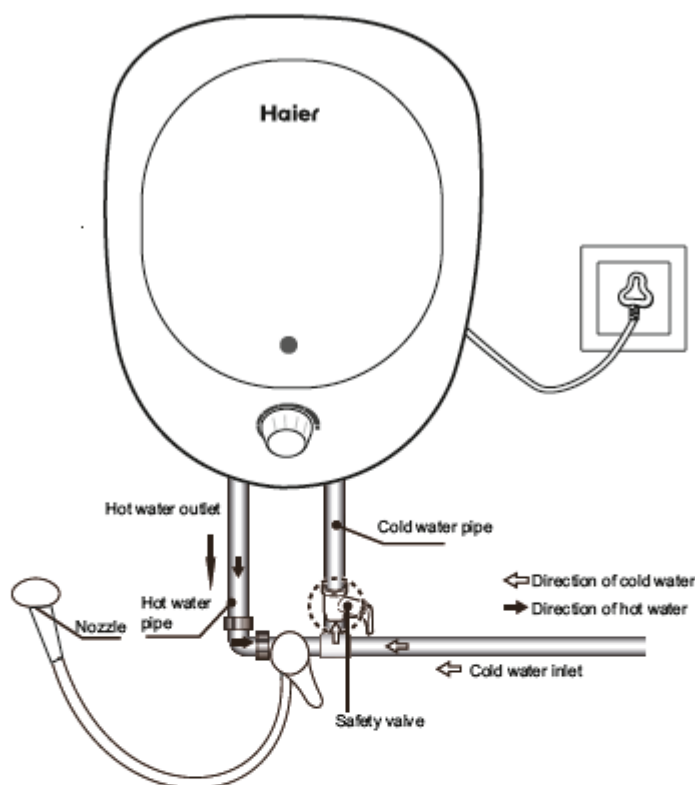
Safety reminder: In order to prevent accidents, please use our company's accessories during installation. Do not replace them on your own or use substitutes. Please make sure to contact our Haier Service Center if the accessories are damaged and replace them with the accessories supplied by our company. 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.



120 mm

Please use this Template to drill 2 holes(ø12mm, 75 mm Deep) for mounting the water heater.

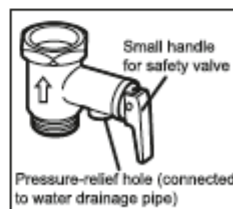
Description Of Parts



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

Connection And Use Of Safety Valve

1. Install the safety valve which connection is G1/2 into the water intake pipe with the arrow on the safety valve pointing at the water heater. The rated pressure of safety valve is $0.80 \pm 0.05 \text{ MPa}$. 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.
 2. Make sure that the connections are not leaking and that the power supply conforms with requirements. Test the machine by switching on the power.
- > **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**
- > **If Safety Valve is not installed, Product will not consider for Warranty.**
1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
 2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.





- After completion of installation, make sure to turn on the water intake valve and mixing valve since there is no water in the inner container. 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 no water leakage before connecting to power.

Operation

- 1 Adjust the water temperature knob at the bottom of the water heater to set the temperature.
 - 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 light, 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.
 - If the power indicator is light, it means that the water heater is power on.
- 2 When the water temperature reaches the set temperature, it will enter thermal state. Once it lowers to certain temperature, power will be automatically connected.
- 3 Observe the water drainage of the safety valve's pressure-relief hole.
When the water pressure is $\geq 0.80 \pm 0.05 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.

Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water temperature and hardness.
- 7) Please ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

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 sure 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 container once every two years. Take care not to damage the exterior of the heating pipe and the protective layer on the surface of the inner container. Depending on the local water quality and usage habit, the Anode rod should be regularly replaced. If maintenance is required, please contact Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. Please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

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 glow	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 Haier Service Person
Only cold water and the heating indicator lamp is not glow	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 Haier Service Person
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 Haier Service Person
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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Haier Home Water Heater

Instruction Manual

ES15V-ED-P/ES15V-EC-ED(1520)

ES25V-ED-P/ES25V-EC-ED(2520)



ED-P Series



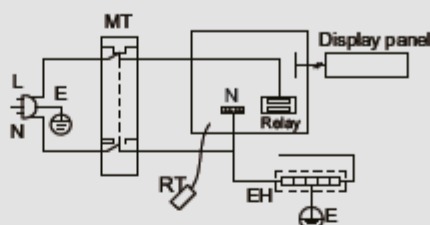
EC-ED Series

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT : High Temperature Limiter
 RT : Sensor
 EH : Heating Element
 E : Earthing Wire (Yellow&Green)



Technical Parameters

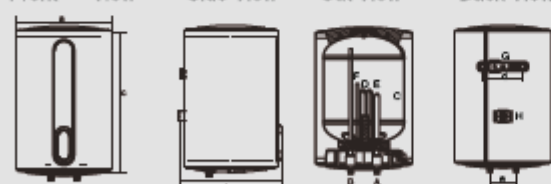
Item	Unit	ES15V	ES25V
Model No.	—	1520	2520
Rated Voltage	V	230	230
Rated Frequency	Hz	50	50
Rated Pressure	MPa	0.80	0.80
Rated Power	W	2000	2000
Net Weight	kg	9.0	12
Rated Capacity	L	15	25
Waterproof Grade	IP	IPX4	IPX4
Mixing Factor (Maximum)	%	35	35
Tap Water Pressure (Minimum)	MPa	0.005	0.005
Mean Hot Water Output (Minimum)	°C	50	50
Re-heating Time (For temperature rise of 50°C) (Maximum)	Minutes	25	45
Diameter of Power Wire	mm ²	3×1.0	3×1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$.

Introduction Of Exterior And Accessories

(Fig. 2)

Front View Side View Cut View Back View



A: Water inlet pipe
 B: Water outlet pipe
 C: Inner Container
 D: Heating Element
 E: Anode Rod
 F: Temperature measurement pipe
 G: Wall Mount Bracket
 H: Rear support

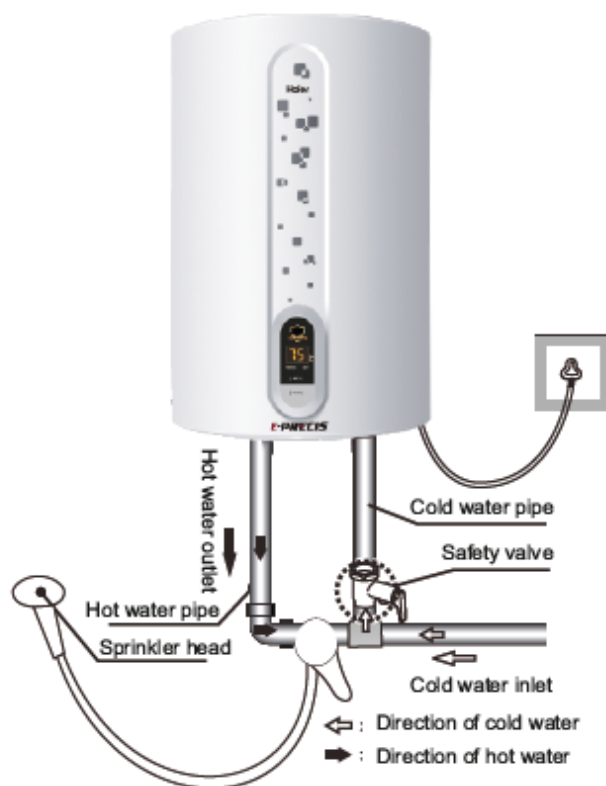
Model	a	b	c	d	e
ES15V	335mm	374mm	466mm	152mm	100mm
ES25V	370mm	409mm	585mm	152mm	100mm

Note: The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.



Installation Instruction

Description Of Parts



Installing Safety Valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.005 \text{ MPa}$ (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Installation method for safety valve's drainage pipe: 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 to 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.

Note : If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

> **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar.**

> **If Safety Valve is not installed, Product will not consider for Warranty.**



(Fig.3)

Installation Method

- Must be installed by personnel in our Haier Service Person or designated installation personnel.
- The water heater is wall-mounted type.

- Determine the installation position of the water heater. Based on the measurements indicated in Fig. 2, use impact drill to drill two holes of 12mm in diameter and 65mm in depth. Insert the expandable hooks into the holes and ensure that they are securely fixed. Lift the water heater and slip its wall-mount support onto the expandable hooks (as show in Fig.1). Check to make sure the machine is securely suspended. For accessories such as safety valve, please refer to the "Installation of Safety Valve" (for reference only). Make sure to seal the joints with Teflon tapes to prevent water leakage.

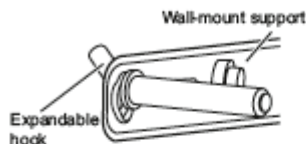


Fig.1

- For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.
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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the bottom section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.005MPa, and not more than 0.25MPa, else it may lead to safety valve dripping
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand fourth the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 Haier Service Center/Person if the pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head 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 no water leakage before connecting to power.

Operation

- 1 Switch on the power supply of water heater, screen will display full digits for 1 second, then goes into Standby status (No display on screen) or the previous working status before power cut.
- 2 By pressing the button "power", water heater will start working by default setting of 75 °C or by the previous setting before power cut. User can find in the screen that the symbol "HEATING" will be lighted. The screen will also display current temperature in the water heater.
- 3.1 In working status, users can choose setting temperature by pressing the button "SET °C". By the pressing the button "SET °C", user can find in the screen the symbol "SET" will be lighted. By pressing "SET °C" again and again the setting temperature will circulate in the following sequence 35°C- 40°C- 45°C-50°C-55°C- 60°C-65°C-70°C-75°C-35°C.....
- 3.2 After choosing the setting temperature for 6 seconds, the symbol "SET" will be off, screen will display current temperature in the water heater. If the current temperature is lower than setting temperature, water heater will continue heating water. If the current temperature is higher than setting temperature, water heater will start heat preservation mode.
- 4 When current water temperature is higher than setting temperature, water heater will start heat preservation mode.
In the heat preservation mode, if the setting temperature is higher than 55°C, the water heater will restart to heat water when temperature drops 10°C. If the setting temperature is lower than 55°C, the water heater will restart to heat water when temperature drops 5°C.
Note: If current water temperature is above the setting temperature, then water heater will get into heat maintaining mode, "HEATING" light is off; When current water temperature is lower than the setting temperature, then water heater will get into heating mode, the "HEATING" light will be on till the setting temperature reached.
- 5 Switch off the water heater by pressing | Power | button after using.



Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water hardness.
- 7) Please ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Note:

1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

Cleaning and Maintenance • Packing list

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner container should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner container. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. If maintenance is required, please contact Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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:

- 1 Turn off the water pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Anchor Fastners (pcs)	Flexi Installation Pipes* (pcs)
ES15V-ED-P/EC-ED		1	1	1 & 1	2	2
ES25V-ED-P/EC-ED						

(* Flexi Installation Pipes Are Only Applicable For ED-P Models)

Troubleshooting

Symptom	Things to Check	Solutions
No water	No water supply or water pressure is too low	Check
	Water use point is blocked or hot water valve is closed	Check and clear
Cold outlet water	1 Hot water access close	Check and open
	2 Temperature not set to desired setting	Calibrate the heater according to the operation instructions in the manual
	3 Heating time limit and setting temperature not obtain	Calibrate the heater by referring to the operation instructions in the manual
	4 Defective elements	Contact with Haier Service Center when 1, 2 and 3 are excluded
Not heated to desired temperature or insufficient outlet water	1 Whether the current function is set to the proper mode and temperature is set too low	Calibrate the heater according to the operation instructions in the manual
	2 Excessive water pressure	Use after flux of mixing valve is turned down
Inconstant flow and temperature of water	Inconstant water pressure	Use after flux of mixing valve is turned down or use with constant water pressure
Incapable of startup or display not lit	1 No power to heater	Check power socket
	2 Defective elements	Contact with Haier Service Center when 1 is excluded
Display E2	1 Insufficient water in the tank liner	Power on after disconnection when filled with water
	2 Defective elements	Contact with Haier Service Center when 1 is excluded
Display E3	1 Room temperature lower than -20°C	Cut off power, then connect power when ambient temperature more than -19°C
	2 Defective sensor	Contact with Haier Service Person when 1 is excluded

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Haier Home Water Heater

Instruction Manual

ES15H-REGENTA SLIM (LH/RH/CP)(1522)

ES25H-REGENTA SLIM (LH/RH/CP)(2522)

ES15H-PRECIS SLIM (LH/RH/CP)(1520)

ES25H-PRECIS SLIM (LH/RH/CP)(2520)



Regenta Slim LH/RH



Precis Slim LH/RH



Precis Slim CP



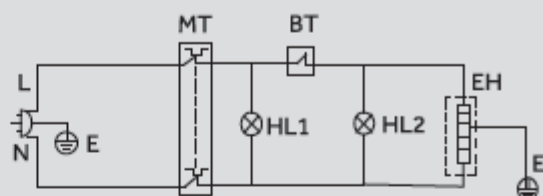
Regenta Slim CP

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

Specifications

Electrical Diagram

L : Live Wire (Brown/Red)
 N : Neutral Wire (Blue/Black)
 MT: High Temperature Limiter
 BT: Thermostat
 HL 1: Power Indicator
 HL 2: Heating Indicator
 EH: Heating Element
 E: Earthing Wire (Yellow & Green)



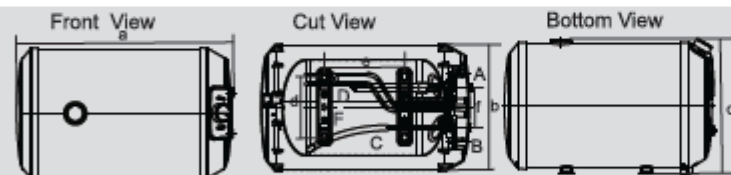
Technical Data

Item	Unit	ES15H-REGENTA SLIM (LH/RH/CP)	ES25H-REGENTA SLIM (LH/RH/CP)	ES15H-PRECIS SLIM (LH/RH/CP)	ES25H-PRECIS SLIM (LH/RH/CP)
Model No	—	1522	2522	1520	2520
Rated Voltage	V	230	230	230	230
Rated Frequency	Hz	50	50	50	50
Rated Pressure	MPa	0.80	0.80	0.80	0.80
Rated Power	W	2200	2200	2000	2000
Net Weight	kg	9	11	9	11
Rated Capacity	L	15	25	25	25
Waterproof Grade	IP	IPX4	IPX4	IPX4	IPX4
Mixing Factor (maximum)	%	35	35	35	35
Tap Water Pressure (minimum)	MPa	0.05	0.05	0.05	0.05
Mean Hot Water Output (minimum)	°C	50	50	50	50
Re-heating Time (For temperature rise of 50°C) (maximum)	Minutes	23	41	25	45
Diameter of Power Wire	mm ²	3x1.5	3x1.5	3x1.0	3x1.0

Remarks: The permitted error limit of above net weight is $\pm 10\%$. Parameters subject to change without notice.

Introduction Of Exterior And Accessories

(Fig. 1)



REGENTA SLIM-CP MODELS

A: Water inlet pipe
 B: Water outlet pipe
 C: Inner chamber
 D: Heater
 E: Anode rod
 F: Wall-mount support

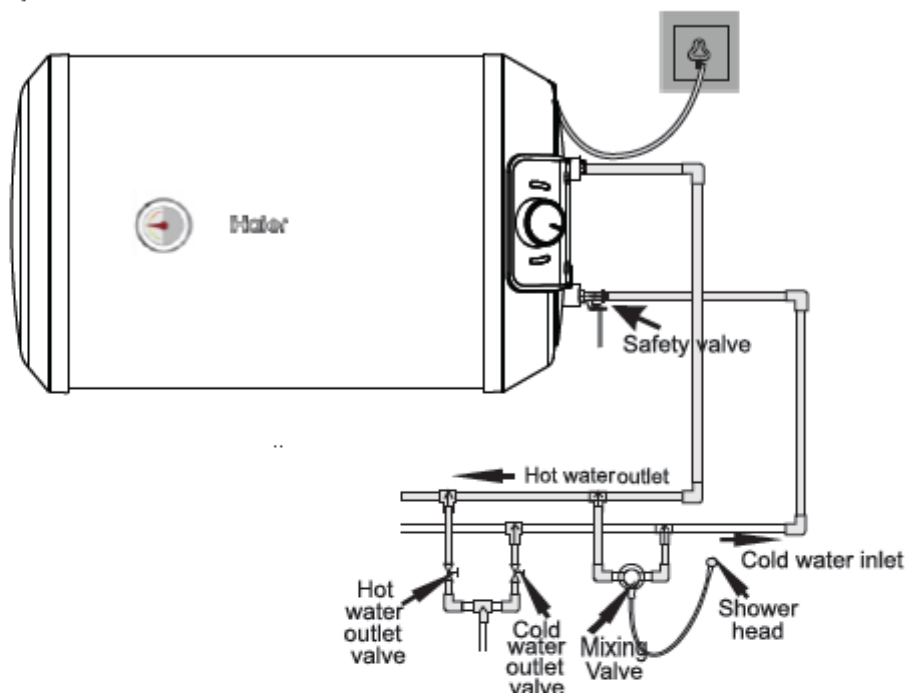
Model	a	b	c	d	e	f
ES15H-REGENTA SLIM (LH/RH/CP) PRECIS SLIM	525	312	326	152	200	100
ES25H-REGENTA SLIM (LH/RH/CP) PRECIS SLIM	599	349	372	152	200	100
ES15H-REGENTA SLIM CP	526	339	345	152	200	100
ES25H-REGENTA SLIM CP	591	349	386	152	200	100

Note: 1. The margin of error for the above parameters (measurements, weight) is $\pm 10\%$.

2. Water temperature indicator is not a precision thermometer. It consists of three areas denoted by blue, orange and red, which indicate the temperature of water in the inner chamber from low to high respectively.

Installation Instruction

Description Of Parts



Installing safety valve

- Install the safety valve which has a rated pressure of $0.80 \pm 0.05 \text{ MPa}$ (its connection is G1/2) into the water inlet 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. This is normal. The pressure-relief hole should be connected to the atmosphere and free from blockage at all times.

- Installation method for safety valve's drainage pipe: 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 to 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.



Note: If your water heater is not installed in a bathroom with sewer, our recommendation would be that you add safety valve water drainage pipe.

>Water dripping from the safety valve is normal phenomena This usually happens when the inlet water pressure is more than 2.5 bar

>If Safety Valve is not installed, Product will not consider for Warranty.

Note:

- To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
- By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.

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.
- Mount the two bracket washers supplied with the water heater respectively onto the two brackets and ensure them in place, as show in Fig. 1

- Determine the installation position of the water heater. Based on the measurements indicated in Fig.2, use impact drill to drill two holes of 12mm in diameter and 65mm in depth. Insert the expandable hooks into the holes and ensure that they are securely fixed. Lift the water heater and slip its wall-mount support onto the expandable hooks (as show in Fig.1). Check to make sure the machine is securely suspended. For accessories such as safety valve, please refer to the "Installation of Safety Valve" (for reference only). Make sure to seal the joints with Teflon tapes to prevent water leakage.

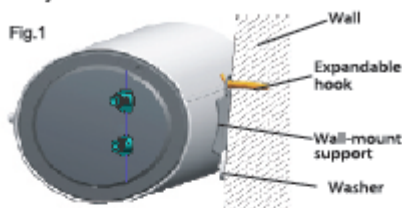


Fig.1

- For ease of installation and removal of water heater, we would recommend that G1/2 loose joints be installed at appropriate locations on the water inlet and outlet pipes of the water heater. Determine the position of the hot water supply. Connect the water inlet and outlet pipe together with the water pipe to the positions reserved for use of hot water. Hot water pipe should preferably not be too long in order to prevent heat loss.

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

- When installing the water heater, certain space should be reserved (not less than 250mm from the top and bottom and not less than 700 mm from the front and the sides), for ease of subsequent maintenance and repair. If the water heater was to be built into clip boards, the right section of the clip board should be movable for ease of removal of plastic cover during maintenance.
- Make sure the pressure on the water inlet is not less than 0.05MPa, and not more than 0.25 Mpa, else it may lead to safety valve dripping.
- 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 not be too far away from the point of usage. If the distance exceeds 8 meters, the hot water pipe should have insulation protection, in order to prevent heat loss.
- The wall on which the water heater should be strong such as it is able to withstand fourth the weight of the water heater when filled with water. If the wall was not weight-bearing wall or made of hollow bricks, adequate protective measures such as addition of support and high-strength wall screw with back panel should be adopted.
- The water heater should be installed in places such as it is easy to use and maintain and with floor drain, in order that it will not cause damage to nearby facilities or those in the lower levels during a leakage of the water tank or water pipe. It should not be installed over toilet bowls, bathtub, wash basin or door frame in order that users do not feel oppressed or insecure.
- Power socket for the water heater should be installed in dry places which do not easily come into contact with water, in order not to affect the heater's normal operation (it would be best equipped with protective cover).
- Do not reverse the installation for the water inlet and outlet. The safety valve should be installed in the designated position and should not be moved without permission. The safety valve's pressure-relief hole should be connected to the atmosphere and free from blockage at all times.
- Use pen multimeter to check whether the live line and neutral 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.
- 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 pipes or 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.
- 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.

Instruction Manual

- After completion of installation, make sure to turn on the water inlet 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 outlet valve when water flows out from the sprinkler head 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 no water leakage before connecting to power.

Operation

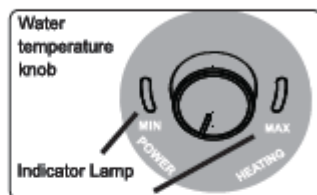
- 1 Adjust the water temperature knob at the bottom of the water heater to set the temperature.

- Temperature adjustment knob: Slowly turn the knob 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. Once the minimum temperature setting is reached, the water heater's power will be cut off if you continue to turn the water temperature knob.

- If the heating indicator light is lit, it means that the water heater is heating.

- If the heating indicator light is off, it means that heating is complete and that the water heating is on standby or cut off.

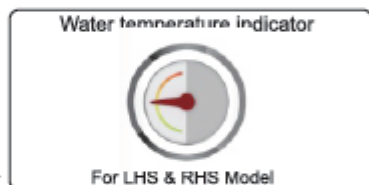
- 2 Observe the water temperature indicator for the current water temperature.



- 3 Water heating will be on standby automatically when the water temperature reaches the set temperature. Once it lowers to certain temperature, power will be automatically connected.

- 4 Observe the water drainage of the safety valve's pressure-relief hole.

When the water pressure is $\geq 0.80 \pm 0.05 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that water pressure is excessive.



Things to note during use

- 1 Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3 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.
- 4 Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5 In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliances must not be supplied through an external switching device, such as a timer or connected to the circuit that is regularly switched on and off by the utility.
- 6 Typical noise during heating is normal phenomena, and noise intensity varies with respect to water hardness.
- 7 Please ensure water inside the tank before switching ON the power supply.
- 8 Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.

Cleaning And Maintenance • Packing List

Warning!

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

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 sure 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 works efficiently, the heating pipe and inner chamber should be cleaned once every two years. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner chamber. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. 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 inlet pipe (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:

- 1 Turn off the water pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft 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.

Packing List

Quantity Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Expandable Hook (pcs)	Flexi Installation Pipes (pcs)
ES15H-REGENTA SLIM (LH/RH)		1	1	1 & 1	2	2
ES25H-REGENTA SLIM (LH/RH)						

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 light is glow	1 Whether hot water outlet is opened	Check and open
	2 Whether the water temperature is adjusted	Increase the temperature to the required value. Once the water is heated to the pre-set temperature, control flow volume of cold and hot water using the moderating mixing valve.
	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 Haier Service person.
Only cold water and the heating indicator light is not glow	1 Whether power is properly connected	Check power socket
	2 Whether thermostat is out of control	Confirm it is not due to the reason under 1, then contact Haier Service Person
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 Haier Service Person.
Water volume is sometimes large or small, or water is sometimes hot or cold	Whether water pressure is stable	Set lower mixing valve or ensure water pressure is stable before use
Small hot water outlet volume	1 Whether the present temperature setting is too low	Calibrate using the method stipulated in the Instruction Manual
	2 Whether water pressure is excessive	Set lower mixing valve

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Haier Instant Water Heater

Instruction Manual

ES3V-C2
EI3V-C1
EI3V-PRET



C1/C2-P Series



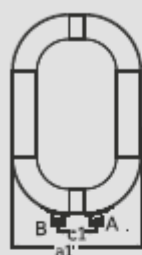
EI3V-PRET Series

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

Specifications

Introduction Of Exterior And Accessories

Front view

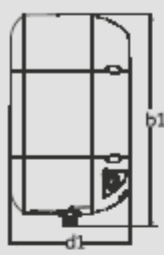


Cut view



ES3V-C1/C2/EC3/EC4 Models

Side view



EI3V-C1/C2, EI3V-PRET Models

Model	Net weight (kg)	Volume (L)	a1 (mm)	b1 (mm)	c1 (mm)	d1 (mm)
ES3V-C1	3	3	220	360	123	205
ES3V-C2	3	3	220	360	65	205
EI3V-PRET	3	3	226	321	123	205

- A Cold water intake
- B Hot water outlet
- C Heating element
- D Inner Container
- E Anode rod

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

Technical Data

Model	Rated voltage/power	Rated frequency	Waterproof rating	Rated pressure	Water pressure
ES3V-C1	230V~/3000W	50Hz	IPX4	0.80MPa	Not less than 0.005MPa
ES3V-C2	230V~/4500W	50Hz	IPX4	0.80MPa	Not less than 0.005MPa
EI3V-PRET	230V~/3000W	50Hz	IPX4	0.80MPa	Not less than 0.005MPa

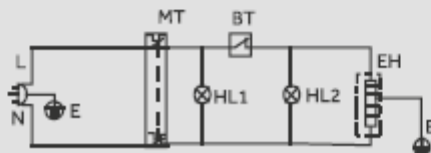
Packaging List

Quantity Product Model	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual & Warranty Card (copy)	Hanging Plate (pcs)	Accessory	Flexi Installation Pipes* (pcs)
ES3V-C1		1	1	1 & 1	1	1	2
ES3V-C2		1	1	1 & 1	1	1	2
EI3V-PRET		1	1	1 & 1	-	1	2

(* Flexi Installation Pipes Are Only Applicable For C1-P and C2-P & Pret Models)

Electrical Diagram

- L : Live Wire (Brown/Red)
- N : Neutral Wire (Blue/Black)
- MT: High temperature limiter
- BT: Thermostat
- HL1/HL2: Heating indicator
- EH: Heating element
- E : Earthing Wire (Yellow&Green)



Installation Instruction

Installation Method



Must be installed by personnel in our Haier Service Person or designated installation personnel.

Caution

The water heater is wall-mounted type.

- First determine the installation position of the water heater based on your needs. Use SS Braided pipe recommended for installation. Connect the inlet to the cold water of the mains by means of a 1/2" BSP female pipe fitting; connect the outlet pipe of the appliance to the hot water supply system by means of a 1/2" BSP pipe fitting. 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.
- Drill two holes (6 mm in diameter and 40mm in depth each) at the drilling position and punch into two plastic expansion tubes (10mm in diameter each). Allow the screw to pass through the two holes in the wall hanging plate and turn the screw into the two plastic expansion tubes. Fix the machine onto the wall hanging plate. 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 container 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.

Electrical Connections

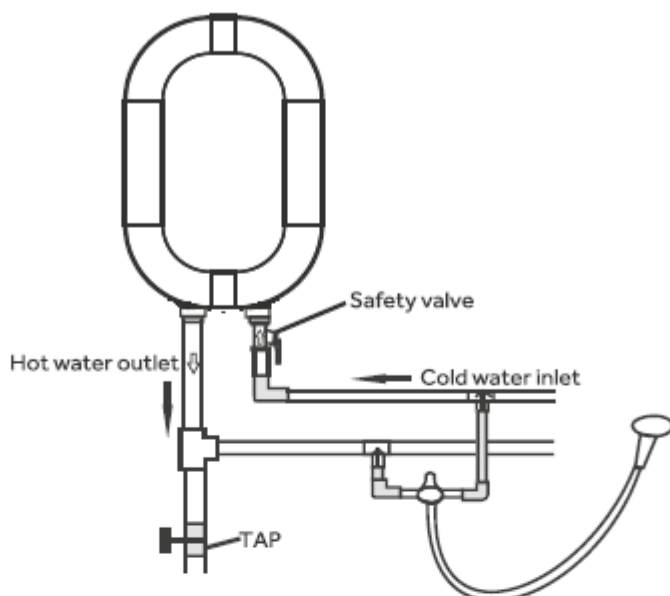
The tank shall be equipped with a dedicated power line and residual current circuit breakers. The action current shall not exceed 30mA.

Means for disconnection from the main supply having a contact separation in all poles that provide full disconnection under over voltage category III conditions must be incorporated in the fixed wiring in accordance with the wiring rules.

Specifications: for 3kW models-min 15A 230V, for 4.5kW models-min 20A 230V

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 0.25 MPa, else it may lead to Safety valve dripping.
- 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 not 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.



Note : Please ensure hot water flow rate between 2-3lpm for optimum performance - To get required hot water temperature.

Installation Precautions

- 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.

- The appliance is not intended to supply water for showering only.

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 Haier Service Center/Person 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.

Connection And Use Of Safety Valve

- Install the safety valve which connection is G1/2 into the water intake pipe with the arrow on the safety valve pointing at the water heater. The rated pressure of safety valve is $0.80 \pm 0.05 \text{ MPa}$. 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.
- Make sure that the connections are not leaking and that the power supply conforms with requirements. Test the machine by switching on the power.

>Water leakage from safety valve it is safety phenomena. This usually happens when the inlet water pressure is more than 2.5 bar

>If Safety Valve is not installed, Product will not consider for Warranty.

Note: This product is supplied with a 3 core supply cable without plug. It is advised to connect the supply cable with electrical power outlets of suitable Amperage fixed wiring (16 Amp for 3 KW 25 Amp for 4.5 KW model).



- After completion of installation, make sure to turn on the water inlet valve and mixing valve since there is no water in the Inner Tank. Turn the mixing valve to the maximum for hot water outlet. Turn off the outlet valve when water flows out from the sprinkler head 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 no water leakage before connecting to power.

Operation

- 1 Open the hot water tap and allow a little water to flow out.
- 2 Switch on the water heater's power supply. The green and red indicator comes on.
- 3 The red light's switching off indicates the heater has been heated to the set temperature.

Warning: Do not switch on the water heater if there is a possibility that water in the heater is frozen.

Things to note during use

- 1 Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 2 Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 3 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.
- 4 When newly installed, make sure that the water flows freely from the outlet tap (or spout) before electric supply is switched on.
- 5 Inlet water line should be continuously open when water heater is in use except when it is being serviced.
- 6 The temperature of the water can be regulated by controlling the flow through hot water stop cock.
- 7 When no more hot water is required the electric supply must be switched "OFF" before the hot water stopcock is closed.
- 8 Switch off water heater when not in use.
- 9 The Green indicator lamp which is ON during the normal operation, turns OFF when the thermal cut-out is activated. Contact qualified service personnel in this event.
- 10 Use pressure reducing valve in case operating Pressure In the water heater is higher than 0.80MPa.
- 11 Hissing noise (inherent noise during heating process) and Abnormal noise due to combination of factor's from water heater during heating, It is a normal working phenomenon of water heater.
- 12 Due to dry heating of heating element product may not consider under warranty, it is due to customer misused such product not replaced in field.

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 sure 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 works efficiently, the heating pipe and inner container should be cleaned once every six months. Take care not to damage the exterior of the heating pipe or the protective layer on the surface of the inner container. Depending on the local water quality and the usage habit, the Anode rod might need to be regularly changed. If maintenance is required, please contact Haier Service Person.

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 inlet pipe (take care not to hurt your hand). If there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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.

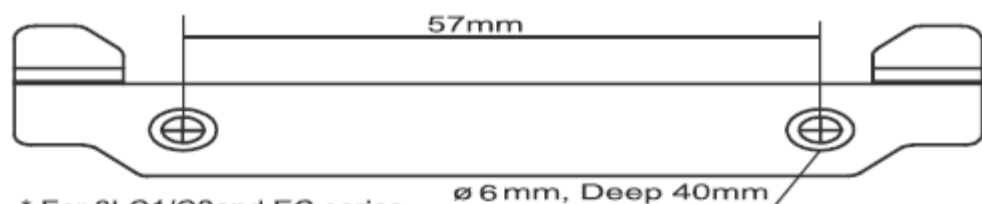
Not In Use For An Extended Period Of Time

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

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle.
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

Please use this Template to drill 2 holes for mounting the water heater.



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
Green light on Red light off No hot water	1 Non-functioning thermostat	Contact Haier Service Person
	2 Control circuit or internal wiring error	Contact Haier Service Person
	3 Whether heating element is damaged	Confirm it is not due to the reasons under 1, 2, then contact Haier Service Person
Only cold water Green light on Red light off	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 Haier Service Person
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
Leakage	Tank or parts leak	Shut off power immediately, then contact Haier Service Person

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0040512031

Rev.01;13.09.2024

Haier

Haier Home Water Heater

Instruction Manual

ES6V-PRET(0630)

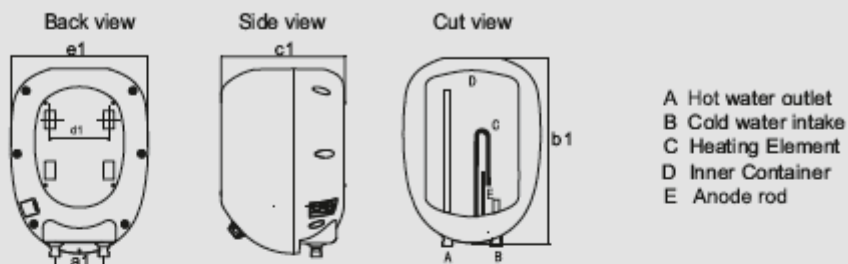


ES6V-PRET

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

Specifications

Introduction Of Exterior And Accessories



Model	Net Weight (Kg)	Rated Capacity (L)	Mixing Factor Maximum	Average Temperature of Hot Water Outlet	Re-heating Time (a temperature rise of 50 °C) (Maximum)	Dimension of Power Wire (mm ²)	a1 (mm)	b1 (mm)	c1 (mm)	d1 (mm)	e1 (mm)
ES6V-PRET	5	6	30	50°C	20 min	3x1.5	100	348	246	120	273

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

Technical Data

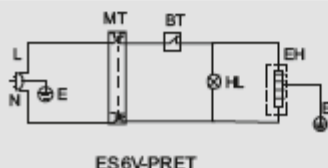
Model	Model No.	Rated Voltage/ Rated Power	Rated Frequency	Waterproof Grade	Rated Pressure	Tap Water Pressure (Minimum)
ES6V-PRET	0630	230V~/3000W	50Hz	IPX4	0.80 MPa	0.05 MPa

Packing List

Quantity	Name of parts	Electric Water Heater (unit)	Safety Valve (pcs)	Instruction Manual (copy)	Expandable Hook (pcs)
Product Model					
ES6V-PRET		1	1	1	2

Electrical Diagram

L : Live Wire (Brown/Red)
N : Neutral Wire (Blue/Black)
MT : High Temperature Limiter
BT : Thermostat
HL : Heating Indicator
EH : Heating Element
E : Earthing Wire (Yellow&Green)
HI1 : Power Indicator



Installation instruction

Installation Method



- Must be installed by personnel in our Haier Service Person or designated installation personnel.

Caution • The water heater is wall-mounted type.

- First determine the installation position of the water heater based on your needs use SS Braided pipe 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 container with water to check whether there is anywater 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

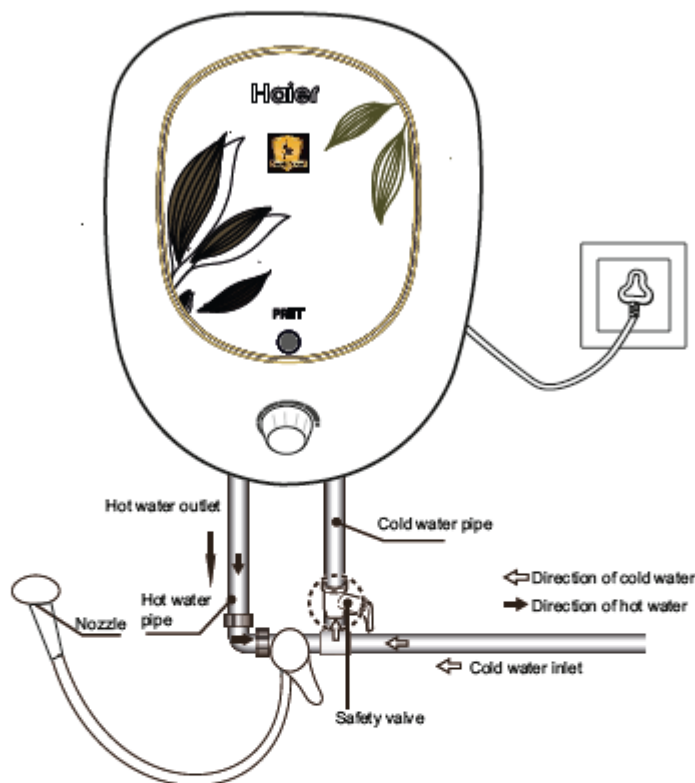
- The water heater is a wall-mounted type; thus it should be securely mounted on the wall so that it can withstand 4 times its weight after it is filled with water.
- Adequate space should be reserved during installation of water heater for ease of subsequent repair and maintenance. When installation 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 0.25 Mpa, else it may lead to Safety valve dripping.
- 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 not 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 Haier Service Center 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.

120 mm

Please use this Template to drill 2 holes(ø12mm, 75 mm Deep) for mounting the water heater.

Description Of Parts



Take the installation diagram of ES6V-PRET as an example.

Connection And Use Of Safety Valve

- Install the safety valve which connection is G1/2 into the water intake pipe with the arrow on the safety valve pointing at the water heater. The rated pressure of safety valve is $0.80 \pm 0.05 \text{ MPa}$. 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.
 - Make sure that the connections are not leaking and that the power supply conforms with requirements. Test the machine by switching on the power.
- > **Water dripping from the safety valve is a normal phenomena. This usually happens when the inlet water pressure is more than 2.5 bar**
- > **If Safety Valve is not installed, Product will not consider for Warranty.**
1. To check the tank capacity, the inlet pipe (blue collar) has to be removed by using a special tool, and the remaining water can be measured to confirm the tank capacity.
 2. By virtue of the patented "shock proof" technology, the outer metal body is electrically insulated from the inner tank and heating element.





- After completion of installation, make sure to turn on the water intake valve and mixing valve since there is no water in the inner container. 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 no water leakage before connecting to power.

Operation

- 1 Adjust the water temperature knob at the bottom of the water heater to set the temperature.
 - 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 light, 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.
 - If the power indicator is light, it means that the water heater is power on.
- 2 When the water temperature reaches the set temperature, it will enter thermal state. Once it lowers to certain temperature, power will be automatically connected.
- 3 Observe the water drainage of the safety valve's pressure-relief hole.
When the water pressure is $\geq 0.80 \pm 0.05 \text{ MPa}$ and the pressure-relief hole on the safety valve emits large volume of water, it means that the water pressure is excessive.

Things to note during use

- 1) Do not connect the power before filling the inner tank with water in order to prevent damage to the water heater.
- 2) Adjust the water temperature to the suitable level before use in order to prevent scalding.
- 3) 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.
- 4) Do not place inflammable substances such as petrol near the water heater, otherwise it may cause fire.
- 5) In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- 6) Typical noise during heating is a normal phenomena, and the noise intensity varies with respect to water temperature and hardness.
- 7) Pl ensure water inside the tank before switching ON the power supply.
- 8) Switching ON the water heater without water may cause dry-heating of the element. This defect is not covered under warranty.



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 sure 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 container once every two years. Take care not to damage the exterior of the heating pipe and the protective layer on the surface of the inner container. Depending on the local water quality and usage habit, the Anode rod should be regularly replaced. If maintenance is required, please contact Haier Service Person.

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 inlet pipe (take care not to hurt your hand); if there is water flowing out, the safety valve is working normally. please contact the Haier service person if no water flows out. In the event of damage to the safety valve, please replace it with a New Haier Standard Spare parts.
- Regularly engage Haier 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:

- 1 Turn off the water inlet pipe valve.
- 2 Screw the water drainage pipe to the safety valve's pressure-relief hole; turn on the safety valve handle
- 3 Turn the hot water valve to the maximum (at the same time unscrew the sprinkler head soft pipe from the water outlet valve; take care not be scalded by hot water), drain the inner container 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 container with water before use.

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 glow	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 Haier Service Person
Only cold water and the heating indicator lamp is not glow	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 Haier Service Person
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 Haier Service Person
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

Haier

Safety Notices(Please read before use)

Meanings of Icons



Prohibited

Forbidden



Compulsory Matters

Warning



Essential Matters

Caution



Immediately cut off power supply and contact our Service Centre 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 confirm 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 professional persons appointed by our company before using, in order to prevent electrocution.



Forbidden

Storing 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 Haier Service Center in order to avoid danger.



Caution

Take care not to be scalded by heater 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.