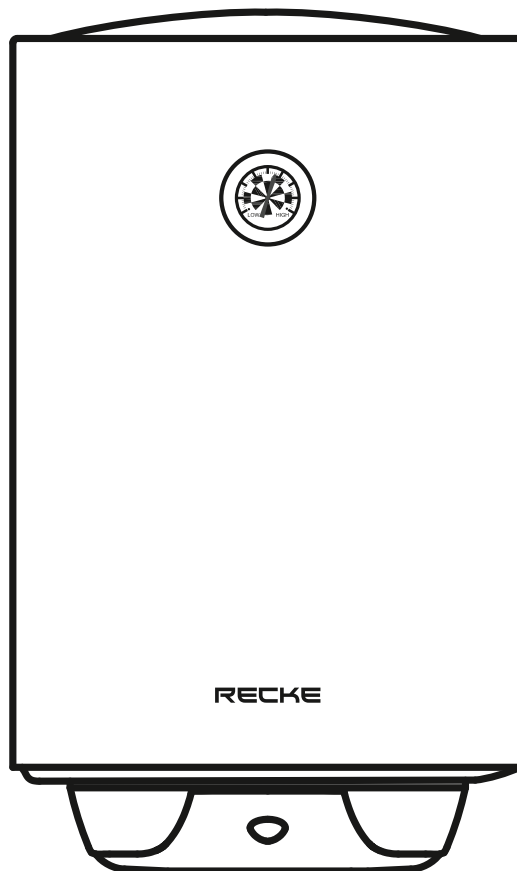


RECKE

— Quality First —

Electric Water Heater

WH-130/WH-150
WH-180/WH-1100



USER MANUAL

RECKE INDUSTRIES LIMITED
www.reckestyle.com

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INTRODUCTION

Dear Customer,

Thank you for choosing RECKE product.

RECKE is the brand focused on high standards of quality, reliability, and modern design with continuous customer care in mind.

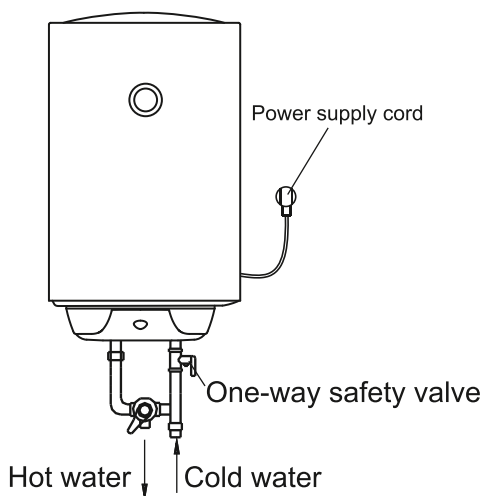
We hope that you will enjoy using RECKE water heaters and consider purchasing other products offered by RECKE.

For proper handling and care of the RECKE water heater, we recommend reading this User Manual, which contains important operating, safety, and maintenance instructions.

For any further information about RECKE and its products, please visit our website:
www.reckestyle.com

SAFETY MEASURES

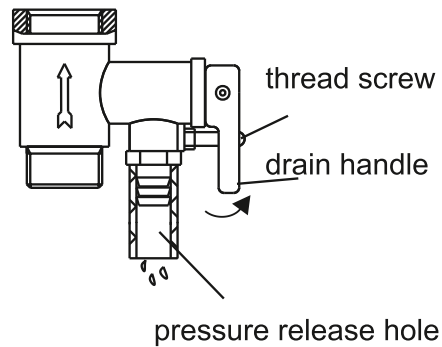
1. The supply socket must be earthed reliably. The rated current of the socket shall not be lower than 10A. The socket and plug shall be kept dry to prevent electrical leakage. Inspect frequently whether the plugs contact well with the socket. How to inspect: insert the power supply plug into socket, after using for half an hour, shut down the unit and pull the plug out, and inspect the plug whether it scalds hand. If it scalds (over 50°C), please change another well-contacted socket to avoid the plug being damaged, fire or other accidents may happen.
2. For the places or the wall where the water may splash, the installation height of the socket shall not be lower than 1,8m.
3. The wall where electrical water heater is installed shall be able to bear the load more than two times of the heater filled fully with water without distortion and cracks. Otherwise, other strengthening measures shall be adopted.
4. The one-way safety valve attached with the machine must be installed at the cold water inlet of this machine (see Pic.1).



(Pic.1)

5. For the use of the first time (or the first use after maintenance or clean), the heater cannot be switched on until it has been filled fully with water. When filling the water, at least one of the outlet valves at the outlet of the heater must be opened to exhaust the air. This valve can be closed after the heater has been filled fully with water.
6. During heating, there may be drops of water dripping from the pressure release hole of the one-way safety valve. This is permissible. If there is a large amount of water leaking, please contact Authorized Service Center. The pressure release hole should not be blocked in any circumstances; otherwise, the heater may be damaged or result an accident.

7. The drainage pipe connected to the pressure release hole must be kept sloping downwards.
8. Since the water temperature inside the heater can reach up to 75°C, the hot water must not be exposed to human bodies when it is initially used. Adjust the water temperature to a proper point to avoid scald.
9. In order to drain away the water inside the inner container, it can be drained away from the exit port (twist the thread screw of the exit port off), and it also can be drained away from the one-way safety valve (twist the thread screw off the one-way safety valve, and lift the drain handle upwards).
(See Pic. 2)



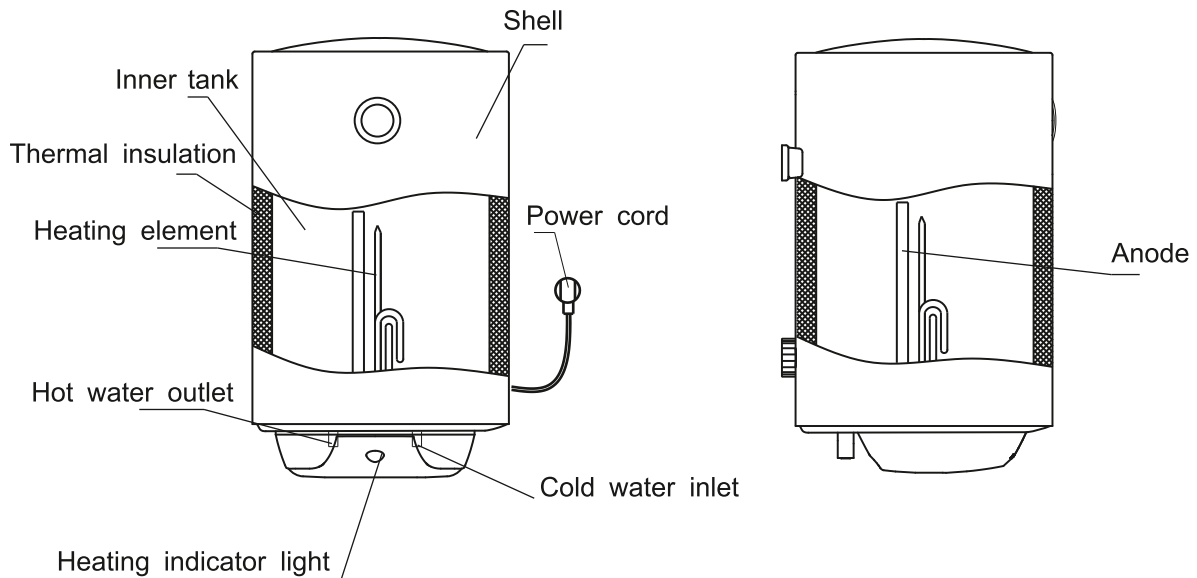
(Pic.2)

10. If the flexible power supply cord is damaged, it can be replaced with the cord provided in the box with the heater by professional maintenance person.
11. If any parts and components of this electrical water heater are damaged, please contact Authorized Service Center for repair, and use the spare parts and components provided in the box with the heater.

TECHNICAL FEATURES AND SPECIFICATIONS

Model	Volume (L)	Power (W)	Voltage (ACV)	Pressure (MPa)	Adjustable water temperature (°C)	Protection class	Waterproof grade
WH-130	30	1500	220	0.75	30-75	I	IPX4
WH-150	50						
WH-180	80						
WH-1100	100						

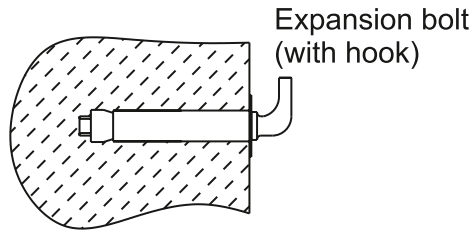
HEATER STRUCTURE



HOW TO INSTALL

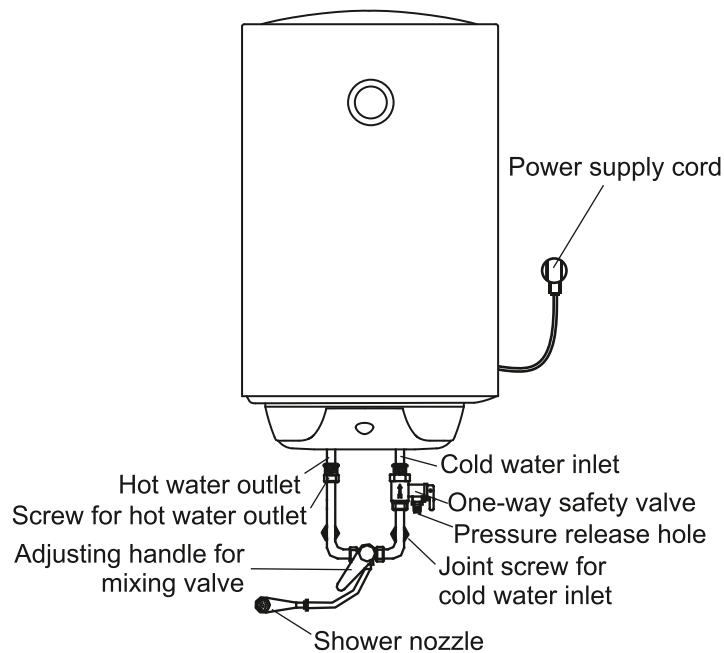
- Please use accessories provided by RECKE to install this electrical water heater.
- Electrical water heater cannot be hung on the support until it has been fixed properly and in reliable manner. Otherwise, electrical water heater may fall down from the wall, resulting in damage of the heater, accident or injury.
- When determining locations of the bolt holes, ensure to keep 20cm space from right side for convenience of maintenance.
- This electrical water heater shall be installed in the solid wall. If the strength of the wall cannot bear the load equal to two times of the total weight of the heater filled fully with water, it is necessary to install a special support.

- After selecting a proper location, determine the positions of the two install holes used for expansion bolts with hook (20cm). Make two holes in the wall with the corresponding depth by using a chopping bit with the size matching the expansion bolts attached with the machine, insert the screws, make the hook upwards, tighten the nuts to fix firmly, and then hang the electrical water heater on it (see Pic.1).



(Pic.1)

- Install the supply socket in the wall. The requirements for the socket are following: 250V/10A, single phase, three electrodes. It is recommended to place the socket on the right above the heater. The height of the socket to the ground shall not be less than 1,8m (see Pic.2).

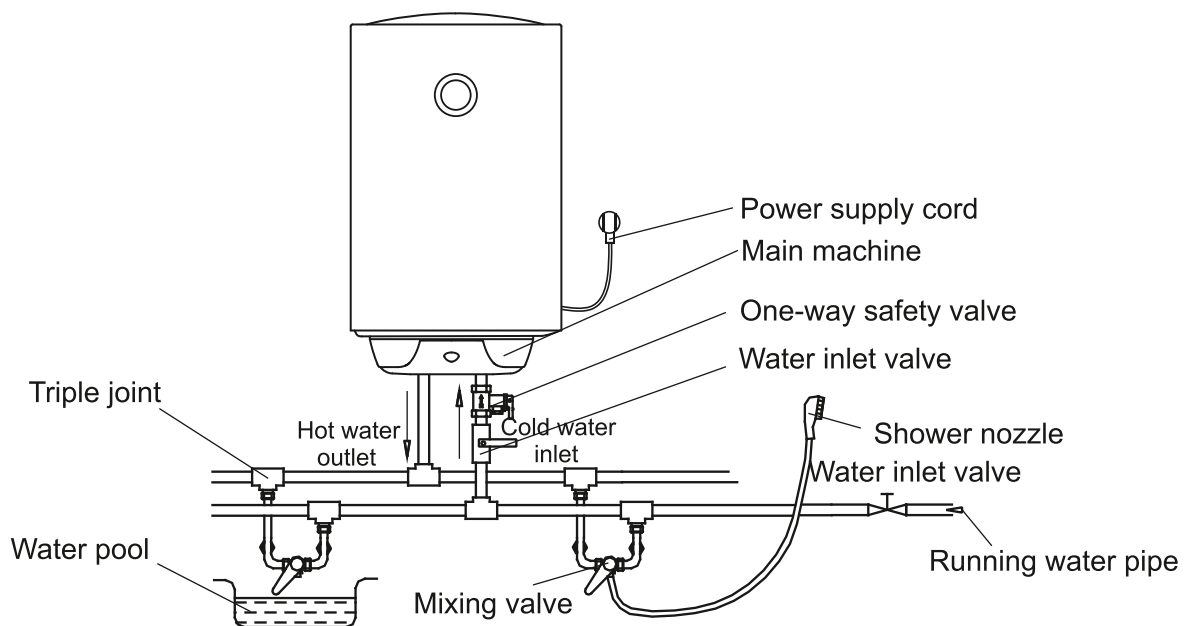


(Pic.2)

- If the bathroom is too small, the heater can be installed at another place away from direct sun light and rain/water. However, in order to reduce the pipeline heat losses, the heater shall be installed close to the location for use of water as near as possible.

CONNECTION OF PIPELINES

- The dimension of each pipe part is G1/2.
- Connection of one-way safety valve: install the one-way safety valve attached with the machine at the water inlet of the main machine (pay attention to keep the installed drainage flexible pipes of the safety valve sloping downward and connected with the atmosphere.)
- In order to avoid leakage when connecting the pipelines, add at the end of threads rubber seal gaskets, which provided with the machine (see Pic.2).
- If the user wants to realize a multi-way supply system, refer to the method shown in Pic.3 for pipelines connection.



(Pic.3)

HOW TO USE

- First, open any of the outlet valves at the outlet of the water heater, then, open the inlet valve. The electrical water heater begins to be filled with water. When there is water coming out of the outlet valve normally, it implies that the heater has been filled fully with water, and the outlet valve can be closed.

Note: During normal operation, the inlet valve shall be set in the status of "open".

- Insert the supply plug into the socket, the two indicator lights will be on.
- This water heater can automatically control the temperature. When the water temperature inside the heater reaches the set temperature (it is set to 75°C), then it will switch off automatically, and step into the status of thermal insulation; when the water temperature is decreased to a certain point, it will be turned on automatically to restore the heating, and the use of hot water will not be interrupted. When the heater is switched off automatically, the heating indicator will turn off.

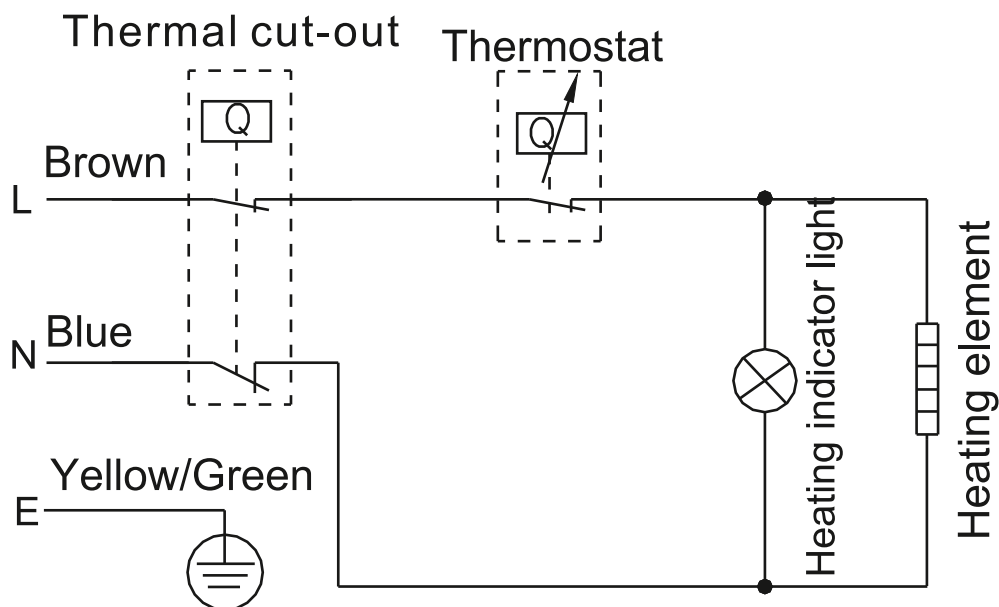
MAINTENANCE

1. Check the power supply plug and socket frequently to make sure that they have good, reliable contact and are well grounded and not getting overheat.
2. If the heater will not be used for a long time, especially in the regions with low atmospheric temperature (lower than 0°C), in order to prevent the heater to be damaged due to freeze of the water in the inner container, the water inside the heater shall be drained away (refer to "Safety measures" chapter, Item 9, for the method to drain away the water inside the inner container).
3. In order to ensure that the water heater can operate efficiently for long term, it is recommended to clean periodically the inner container and the deposits on the electrical heating components of the electrical water heater.
4. Suggest examining the anode protection materials every half a year. If all the materials have been consumed, please replace with the new materials.

BEFORE APPLYING TO THE SERVICE CENTRE

Failure	Reason	Treatment
The heating indicator light is off	Temperature controller failure	Contact Authorized Service Center
No water coming out of the hot water outlet	1.The running water supply is cut off 2.The hydraulic pressure is too low 3.The inlet valve of running water is not open	1.Wait for restoration of running water supply 2.Use the heater again when the hydraulic pressure is increased 3.Open the inlet valve of running water
The water temperature is too high.	Temperature control system failure	Contact Authorized Service Center
Water leak	Seal problem between pipes	Seal up the joints

WIRING DIAGRAM





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