PACKING LIST

No.	Name	Unit(piece)
1	Storage Electric Water heater	1
2	User Manual	1
3	Inflation Bolt	2
4	Relif Valve	1
5	Dielectrics	2



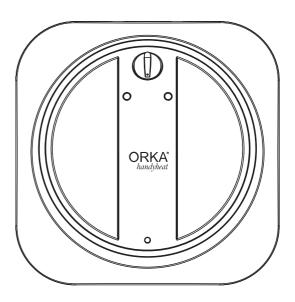
INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2002/96/E.

At the end of its working life this equipment must not be disposed of as house hold waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.



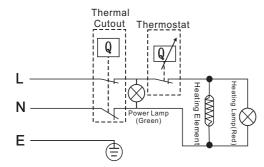
UNDERSINK UNVENTED WATER HEATER

USER MANUAL



EHU06U, EHU10U and EHU15U Electric 1500W Undersink unvented water heaters

WIRING DIAGRAM



TROUBLESHOOTING GUIDE

Symptom	Cause	Solution
Indicator light does not light up.	The power source not connected or badly connected.	Get the professional technician to check the electrical wiring and indicators.
	 Indicator damaged. The overheating 	
	3. The overheating sensor activated.	
Water Temperature not warm enough.	The element is defective	1. Replace the element
	Temperature controller mal- function.	Call customer service for repair
	No power to water heater.	3. Check power supply.
No water from the warm water tap.	Main water valve not turn on.	Turn on the main water.
Water leakage	Leaking from plumbing connection.	Tighten the connection.
	2. Leaking at gasket	Tighten the element or replace the gasket.
Electrical mains tripped	1. Element short circuit.	Replace element.

CONTENTS

Security CharacteristicsI
The Operating Procedures2
The Product Features2
Technical Reference Data2
Product Structure3
Installation Instructions3
Pipe Connection4
Maintenance6
Electrical Connection6
Wiring Diagram7
Troubleshooting Guide7
Packing ListBack Cove

SECURITY CHARACTERISTICS

- The max inlet pressure is 0.6MPa.
- The unit must be installed and maintained by a competent person in accordance with current electrical and plumbing regulations.
- The pressure-relief device is to be operated regularly To remove lime deposits and to verify than is not blocked.
- CAUTION: 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.
- This appliance can be used by children aged from 8 years and above and persons with reduced physic sensory or mental capabilities or lack of experience and knowledge if they have been given supervision instruction concerning use of the appliance in a sate way and understand the hazards involved, children shall not play with the appliance, cleaning and users maintenance shall not made by children without supervision,
- This electrical water heater must be installed with a mono-directional safety valve at the inlet pipe (blue indicator) when the tank's pressure is over 0.6 MPa, this will automatically active the safety valve, water will exit at the drain pipe outlet (Diagram 1). In any condition, this outlet must not be blocked.
 If there is a need to empty the water in the tank, first, close the mains water. Remove the fixed screw nail on the safety valve. rotate the plastic handle to let the water flow out naturally.

IMPORTANT!! The mounting of the pressure relief valve supplied with the water heater is Compulsory. It must be installed on the cold water supply pipe.

ATTENTION! Any other type of device should not be fitted between the pressure relief valve and the appliance.

ATTENTION! Fixing the pressure relief valve to threads longer than 10 mm should not be attempted as this could damage the valve.

ATTENTION! The pressure relief valve and the pipe between the valve and the water heater must be protected from freezing.

During valve discharging - its free end must be always open to the atmosphere (not immersed in water). we recommend the use of a tundish.

The boiler is filled with water by opening the isolation valve on the cold water supply system and the hot tap on the sink. After the filling process is complete, a constant stream of water should flow from the hot tap. Now you can shut the hot water tap on the sink.

If emptying the water heater, you must first isolate the power supply then close the service valve and open the hot tap to de-pressurize the system before removing the unit from the wall.

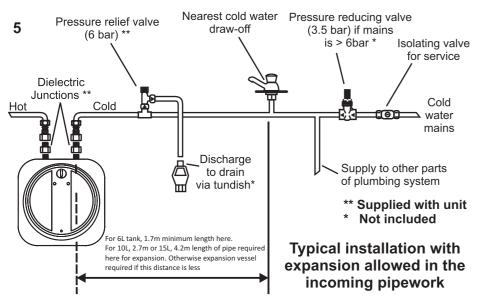
MAINTENANCE

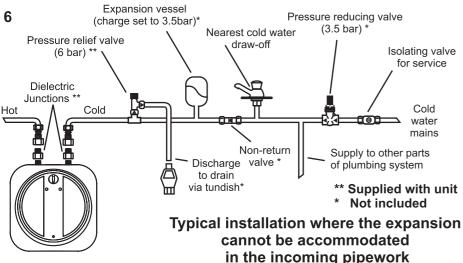
- All maintenance operation must be carried out by a qualified personnel.
- Before contacting the customer service, make sure the suspected failure is not caused by a temporary lack of water.
- To discharge the water completely from the tank, remove the safety valve from the water heater. Before removing the valve, the power of the heater need to be switched off for the tank to cool down (outlet connection must also be disconnected)

ELECTRICAL CONNECTION

- The electrical connection must be done by a qualified electrician.
- The electrical supply is connected directly to the connector provided with the earth connection. The ground wire must be green/yellow in colour and attached to the terminal marked by the symbol.
- The heater must be connected to the electricity supply that out of reach from the person using the shower.
- All wiring must conform to local requirements. If in doubt, please consult a qualified electrician.

Note: All plumbing connections must be completed before making the electrical connections. Fill the tank with water and turn on the tap to let the water exiting out from the tank until all the air has been expelled out. Electricity on after water tank full of water.





PERIODIC MAINTENANCE

In hard water areas, with normal use lime scale will be deposited upon the heating element's surface. Over time, this builds up and lessens the heat exchange between the heating element and water, which could make the system run hotter and the thermostat may switch on and off more frequently.

We recommends preventive maintenance of your water heater at least every **EVERY** year by a qualified technician - protective maintenance must include cleaning and inspection of the anode protector, replacing it if necessary.

In order to clean the appliances use a damp cloth. Do not clean with abrasive or detergents that contain solvents . Do not pour water over the appliance.

THE OPERATING PROCEDURES

- Check all the piping connection for leakage before turning on the electric power of the heater.
- Make sure that the tank is fully filled up with water, otherwise it will cause the heating elements to be damaged.
- Turn on the mains electrical power supply and then adjust the temperature knob clockwise for higher temperature and anti-clockwise for lower temperature.
- The water heater needs to be turn on for a certain period of time to reach the acceptable temperature.
- During the heating process, it's normal to see a slight drip at the safety valve.
 Please do not cover up the safety valve outlet hole.
- Connect this outlet hole to a discharge pipe. Water may drip from the discharge pipe of the safety valve, therefore this pipe must be exposed to the atmosphere.
- The safety valve is to be operated regularly (preferably at least every six months) to remove lime deposit and to ensure that it is not blocked.

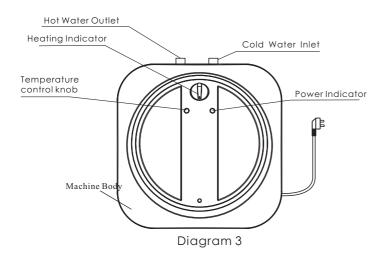
THE PRODUCT FEATURES

- Unique Profile
- Sapphire golden silicon tank which is rust-proof, erosion-proof and with higher efficiency and having a longer life span.
- Energy saving with minimum heat loss. The water temperature is able to be maintained up to 48 hours after the electricity is switched off.
- Rate power heating: 1500W.

TECHNICAL REFERENCE DATA

Rated Volume	6L、10L、15L		
Rated Power	1500W	Rated Voltage	230V~
Rated Pressure	0. 6MPa	Rated Frequency	50Hz
Rated Water Temperature	65°C	Heating Efficiency	>90%
Water-proof Degree	IPX4	Structure Mode	Hermetically closed typed water storage style

PRODUCT STRUCTURE



INSTALLATION INSTRUCTIONS

- The installation for electrical and plumbing work must be carried out by qualified personnel, according to the installation instructions and in compliance to the local authority regulations
- Unit has to be installed as near as possible to the service points, in order to reduce heat loss along the pipes. To facilitate maintenance, allow a distance of 50cm for easy access to the electrical parts.
- This electrical water heater should be mounted on a solid cement wall, preferably where it is close to the power source's sockets and water source.
- Please use our company's fitted accessories to mount this electric water heater.
- Before determining the bolt hole's position, you should ensure that the heater is more than 200mm from the ground or ceiling board. This will leave space for maintenance when necessary.
- Assembling method: After selecting the proper fixing positions, use the inflating bolt to secure the hanging board firmly, then hook the electric water heater. (Diagram 4)

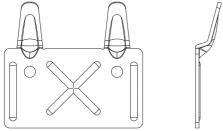


Diagram 4

PIPE CONNECTION

- ullet All piping parts are BSP ½". Wind some white tape at the thread sector of the inlet pipe (marked blue).
- Fix the safety valve to the inlet pipe and then connect it to the cold water pipe
 of the mains.
- Connect the hot water pipe (marked red) to the outlet pipe.
- Do not over-tighten the safety valve and all pipes joint as it may cause damage to the joints.
- Make sure all pipes are clean before installing the taps and showers.

Water heater connection to the water supply system

All connections are $\frac{1}{2}$ "BSP. Fasten the dielectric junctions to both Hot and Cold connections.

IMPORTANT note that in ALL cases the DIELECTRIC JUNCTIONS MUST be connected to the heater before any other connection is made. This is very important as they prevent an electrolytic reaction occurring and safeguard the heater against potential aggressive corrosion.

Only the use of copper pipe is recommended for connection to the heater. If any other material is used it must be able to withstand 90°C at 8 bar pressure for long periods.

Fit Pressure relief valve in the cold water feed to the unit close to the inlet (blue) and install the pipework from the valve to drain via a tundish.

When water is heated it expands. In a small unvented water heater of this type the expansion can normally be accommodated back into the cold water mains, as indicated in the water regulations.

This heater requires a minimum of 1.7-4.2 metres of pipe prior to the nearest cold water draw off. (see diagram 5).

IMPORTANT. If the mains supply to the unit is in excess of 6.0 bar a pressure reducing valve will be required to prevent the pressure relief valve from discharging all the time.

IMPORTANT. DO NOT fit any stop-cocks or non-return valves within the distance required for expansion. The 1.7metre distance is for 15mm pipe this can be approximately halved for 22mm pipe.

Where the this is not possible the installer will need to fit a set of cold water controls. Which comprises of a pressure reducing valve (set at 3.5 bar), a non-return valve and expansion vessel charged to 3.5 bar, the expansion is then accommodated in the vessel.(see diagram 6)