OWNER'S MANUAL

ELECTRIC WATER HEATER



ESSENTIAL

HTW-TV-30ESS | HTW-TV-50ESS
HTW-TV-80ESS | HTW-TV-100ESS

Thanks for choosing our product.
Please, read carefully this manual
before using the product

HIGH TECHNOLOGY WORLD

ENGLISH

Special advise

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

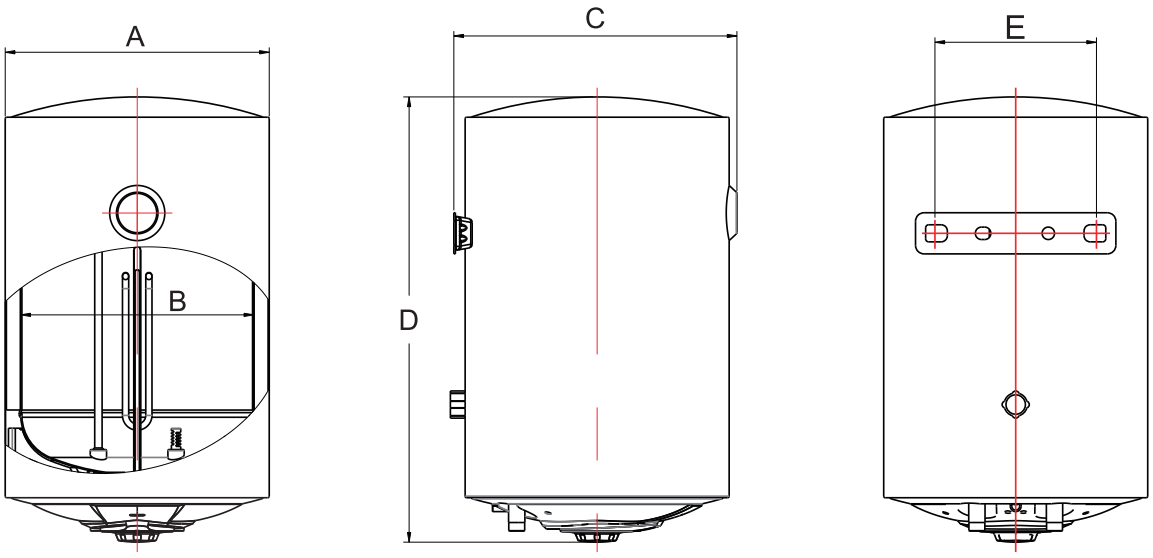
Performance characteristics

- Multiple safety protection devices, such as dry heating protection, high-temperature protection, high water pressure protection, etc., Safe and reliable.
- Enameled inner container : Manufactured using advanced (enamel technique) anti rust, corrosion-proof, incrustation-resistant, leak-prevention, with longer lifetime.
- Heating element designed with low thermal load : safe and reliable, for longer lifetime.
- Equipped with corrosion-proof and incrustation-retardant equipment : durable products.
- Thick PUF/EPS efficient thermal insulation and electricity saving.
- Temperature controller : Accurate and reliable control of temperature.
- Simple and easy to use.

Specifications

Water tank volume (Liters)	30	50	80	100
Rated power	1500W			
Rated voltage	220-240VAC/50、60Hz			
Rated water pressure	0,7 Mpa			
Max water temperature	75°C			

OVERALL DIMENSIONS (Vertical Type)



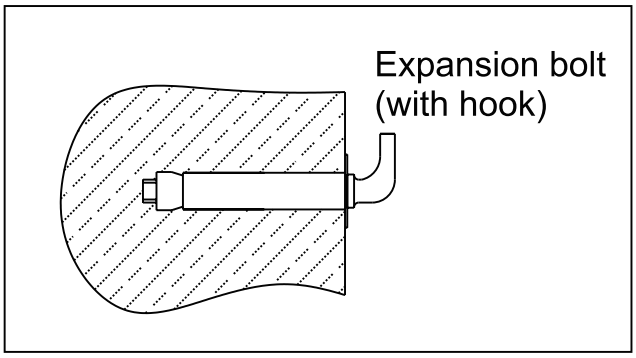
Capacity / Dimension	30 L	50 L	80 L	100 L
A (mm)	Ø 340	Ø 380	Ø 450	Ø 450
B (mm)	Ø 300	Ø 340	Ø 410	Ø 410
C (mm)	365	405	475	475
D (mm)	618	735	808	963
E (mm)	205	205	205	205

Methods of installation

Note : Please ensure to use the accessories provided along with the product to install this electric water heater . This electric water heater can not be hung on the support until it has been confirmed to be firm and reliable. Otherwise, the electric water heater may drop off from the wall, resulting in damage of the heater, even serious accidents. When determining the locations of the bolt holes, it shall be ensured that there is a clearance not less than 0.2m on the right side of the electric heater . This may be required during maintenance of heater.

Installation

- This electric water heater shall be installed on a solid wall. If the strength of the wall cannot bear the load equal to two times of the total weight of the heater filled fully with water, it is then necessary to install a special support.
- After selecting a proper location, determine the positions of the two holes used for expansion bolts with hook Make two holes in the wall with the corresponding depth and size matching the expansion bolts attached with the heater insert the screws, turn the hook upwards, tighten the nuts to fix firmly, and then hang the electric water heater on it (see Fig.2.).

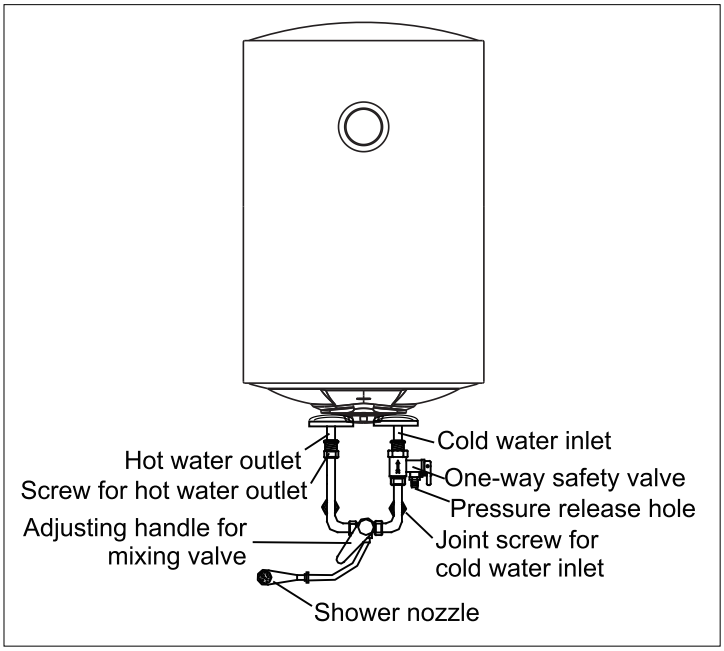


(Fig.2)

- Install the supply socket in the wall. The supply socket should be 3 pin, single phase, 230V/8.7A. 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
- If the bathroom is too small, the heater can be installed at another place. However, in order to reduce the pipeline heat losses, the installation position of the heater shall be as near as possible to the heater.

Connection of pipelines

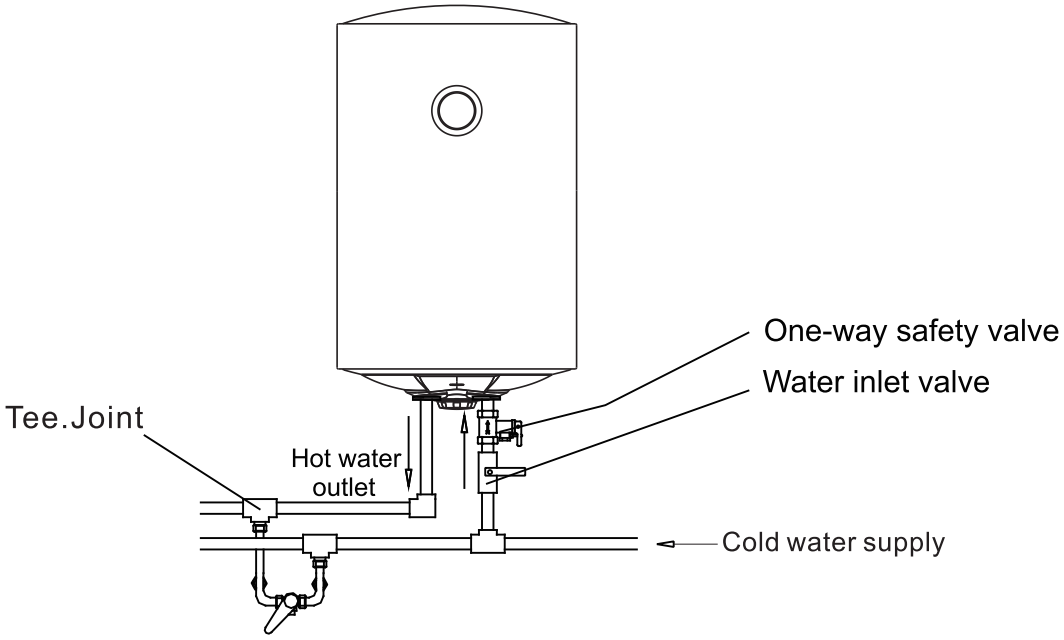
- The dimension of multifunction valve & the inlet /outlet pipe is ½" BSP.
- Connection of multifunction valve : install the multifunction valve with the heater on the inlet of the water heater.
- In order to avoid leakage when connecting the pipelines, the rubber seal gaskets provided with the heater must be added at the end of the threads (see fig.3). Ensure leak proof joints.



(Fig.3)

Multi outlet connection

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



(Fig.4)

Methods of use

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

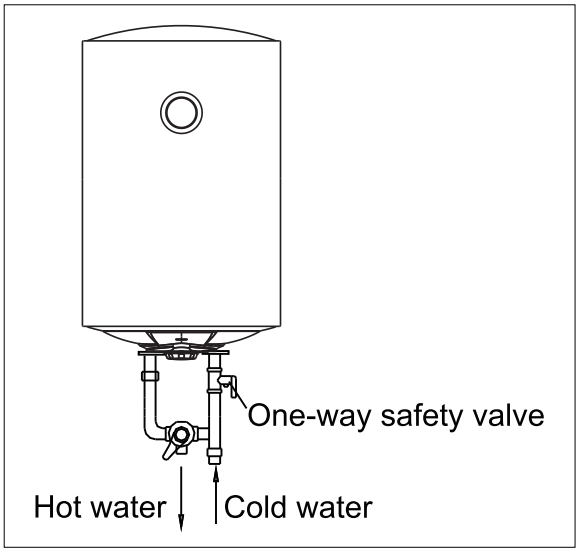
Note : During normal operation, the inlet valve shall be always kept open.

- Insert the supply plug into the supply socket, and switch ON.
  adjust the temperature controller suitably.
  The HEATING indicator will light up.
- The temperature controller will automatically control the temperature. When the temperature inside the heater has reached the set temperature, it will switch off automatically, when the water temperature falls below the set point the heater will be turned on automatically to restore the heating. When the heater is switched off automatically, the heating indicator will switch off.

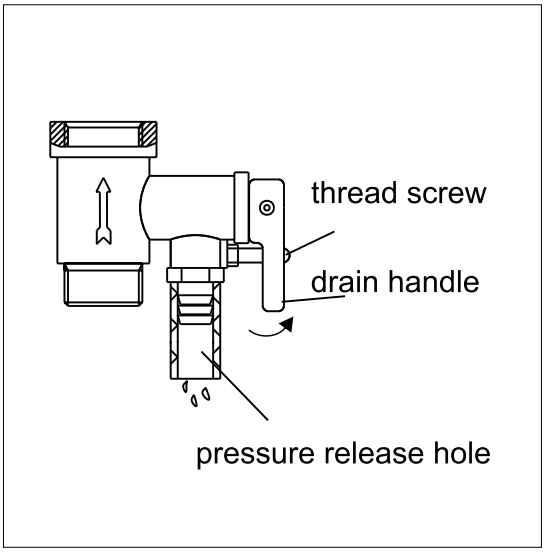
Cautions

- The supply socket must be earthed reliably. The rated current of the socket shall not be lower than 8.7A. The socket and plug shall be kept dry to prevent electrical leakage.
- The installation height of the supply socket shall not be lower than 1.8m.
- The wall in which the electric water heater is installed shall be able to bear the load more than two times of the heater fully filled with water without distortion and cracks. Otherwise, other strengthening measures shall be adopted.
- The multifunction valve attached with the heater must be installed at the cold water inlet of this heater (see Fig.5).
- When using the heater for the first time (or the first use after maintenance), the heater cannot be switched on until it has been fully filled 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 fully filled with water.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given training or

instructions concerning use of the appliance by a person responsible for their safety.



(Fig.5)



(Fig.6)

- During heating, there may be drops of water dripping from the pressure release hole of the multifunction valve. This is a normal phenomenon. If there is a large amount of water leak, please contact customer service center for repair. This pressure release hole shall, under no circumstances, be blocked; otherwise, the heater may be damaged, even resulting in accidents.
- The drainage pipe connected to the pressure release hole must be kept sloping downwards.
- Since the water temperature inside the heater can reach up to 75°C, the hot water must not be exposed to human bodies when it is initially used. Adjust the water temperature to a suitable temperature to avoid scalding.
- Unscrew the thread screw on the multifunction safety valve, and lift the drain handle upwards). (See Fig.6) to drain the water from the inner tank.
- If the flexible power supply cord is damaged, the special supply cord provided by the manufacturer must be selected, and replaced by the professional maintenance personnel.
- If any parts and components of this electric water heater are damaged , please contact customer service center for repair.

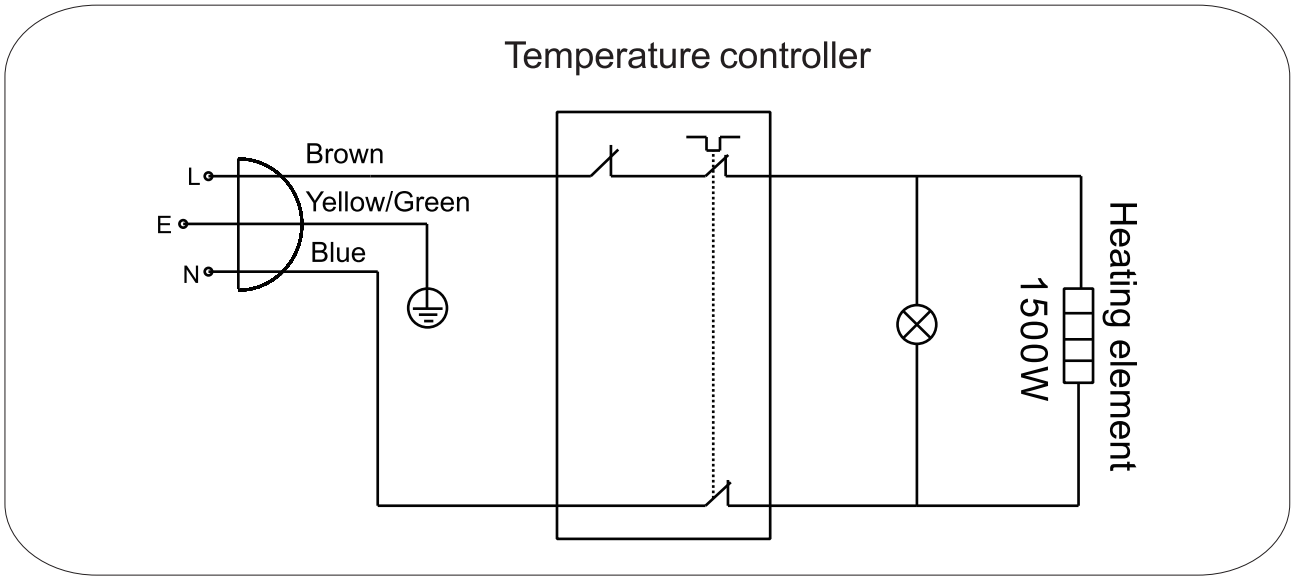
Maintenance

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

Failures and treatment

Failures	Reasons	Solutions
The heating indicator light is off.	Failures of the temperature controller.	Contact the customer care center.
Water not flowing out of the hot water outlet.	1.The water supply is cut off. 2.The water pressure is too low. 3.The inlet valve of water supply is not open.	1.Wait for restoration of water supply. 2.Use the heater when the water pressure is appropriate. 3.Open the inlet valve of water supply.
The water temperature is too high.	Failure of the temperature control system.	Contact the customer care center
Water leakage.	Problem of the seal at pipe joints.	Contact the customer care center

Wiring diagram



(Fig.7)

Note:

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

Attention:

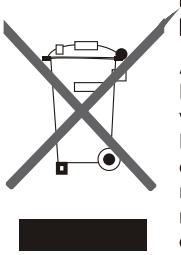
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similary qualified persons in order to avoid a hazard.

C./ Industria, 13 I Polígono Industrial El Pedregar
08160 Montmeló
Barcelona (Spain)

Phone: (0034) 93 390 42 20
Fax: (0034) 93 390 42 05

info@htwspain.com
www.htwspain.com

GIA GROUP



IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT
IN ACCORDANCEWITH EC DIRECTIVE 2002/96/EC.

At the end of its working life, the product must not be disposed of as urban waste.
It must be taken to a special local authority differentiated waste collection centre or to a dealer pro viding this service.
Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent mate-rials to be recovered to obtain significant savings in energy and resources.As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-outwheeled dustbin.