OWNER'S MANUAL

ELECTRIC WATER HEATER



ENGLISH

ESSENTIAL DIGITAL

HTWTV30ESSDIG | HTWTV50ESSDIG
HTWTV80ESSDIG | HTWTV100ESSDIG

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

HIGH TECHNOLOGY WORLD

Special advise

Before installing this water heater, check and confirm that the earthing on the supply socket is reliably grounded. Otherwise, the water heater shall not be installed and used.

Do not use extension boards.

Incorrect installation and use of the water heater may result in serious injuries and loss of property.

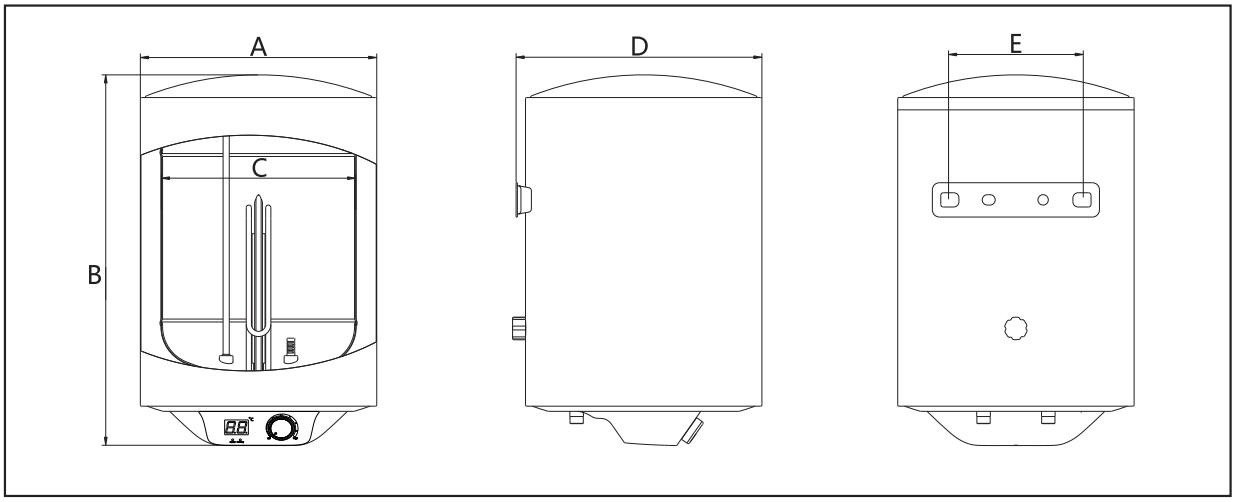
Performance characteristics

- Completely automatic control: automatic addition of cold water, automatic heating.
- Four-fold safety protection:multiple safety protection devices, such as dry heating protection, extra-temperature, high hydraulic pressure protection, anti-rust protection,etc.,Safe and reliable.
- Enameled inner container : manufactured by using advanced enameling technique. It is anti rust, corrosion-proof, incrustation-resistant, leak-proof, with long life.
- Heating element designed with low thermal load: safe and reliable, for longer life.
- Thick PUF for efficient thermal insulation and energy saving.
- Temperature controller: Accurate and reliable control of temperature.
- Adjustable range of water temperature from 30 to 75°C.
- Simple and easy to use.

Specifications

Water tank volume (Liters)	30	50	80	100
Rated power	1500W			
Rated voltage	220-240V~			
Rated water pressure	0.75MPa			
Max water temperature	75°C			

Product dimension for installation (vertical model)



Capacity / Dimension	30L	50L	80L	100L
A (mm)	ϕ 350	ϕ 390	ϕ 460	ϕ 460
B (mm)	665	765	798	953
C (mm)	ϕ 300	ϕ 340	ϕ 410	ϕ 410
D (mm)	375	405	475	475
E (mm)	198	198	198	198

Note: All the dimensions are in mm, E: center to center distance.

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.

- This 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 (200mm). Make two holes in the wall with the corresponding depth and size matching the expansion bolts attached with the heater, insert the bolt, turn the hook upwards, tighten the nuts to fix firmly, and then hang the water heater on it (see Fig.3.).

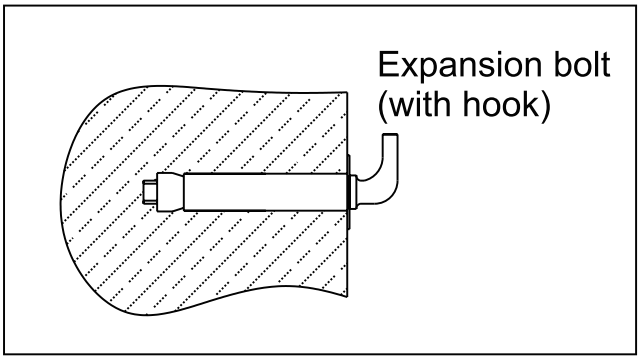
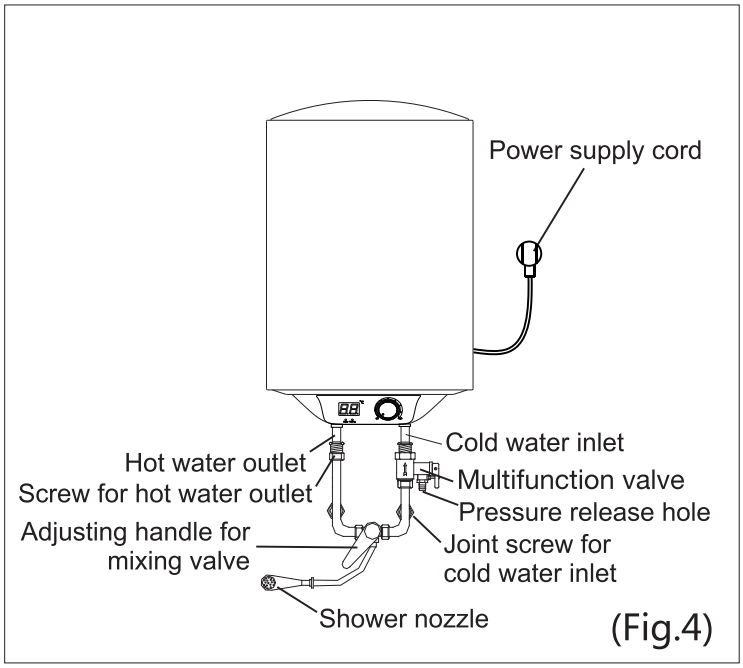


Fig. 3

- Install the supply socket on the wall. The supply socket should be 3 pins, single phase,230V/16A.It is recommended to place the socket on the right side above the heater. The height of the socket to the ground shall not be less than 1.8m (see Fig.4).
- 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 bathroom.

Connection of pipelines

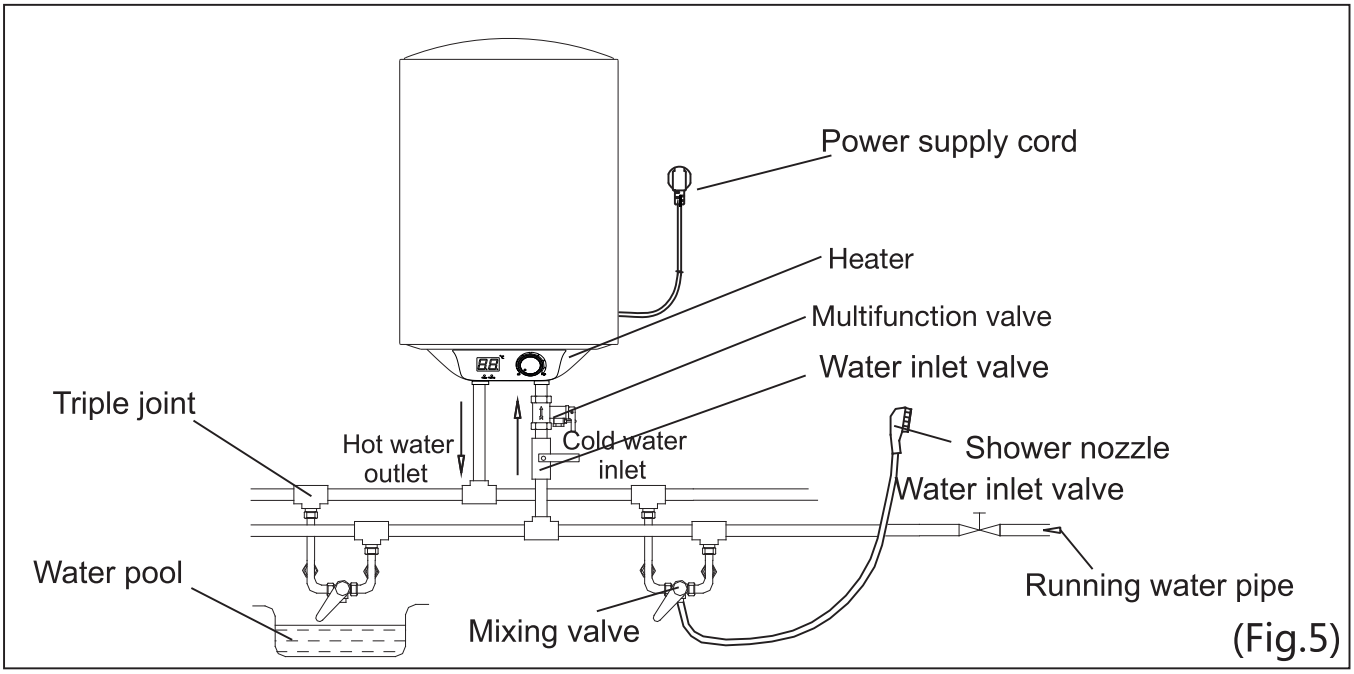
- The dimension of multifunction valve and the inlet /outlet pipe is ½"BSP.
- Connection of multifunction valve : install the multifunction valve with the heater on the inlet of the water heater.
- In order to avoid leakage when connecting the pipelines, the rubber seal gaskets provided with the heater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



(Fig.4)

Multi outlet connection

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



(Fig.5)

Methods of use

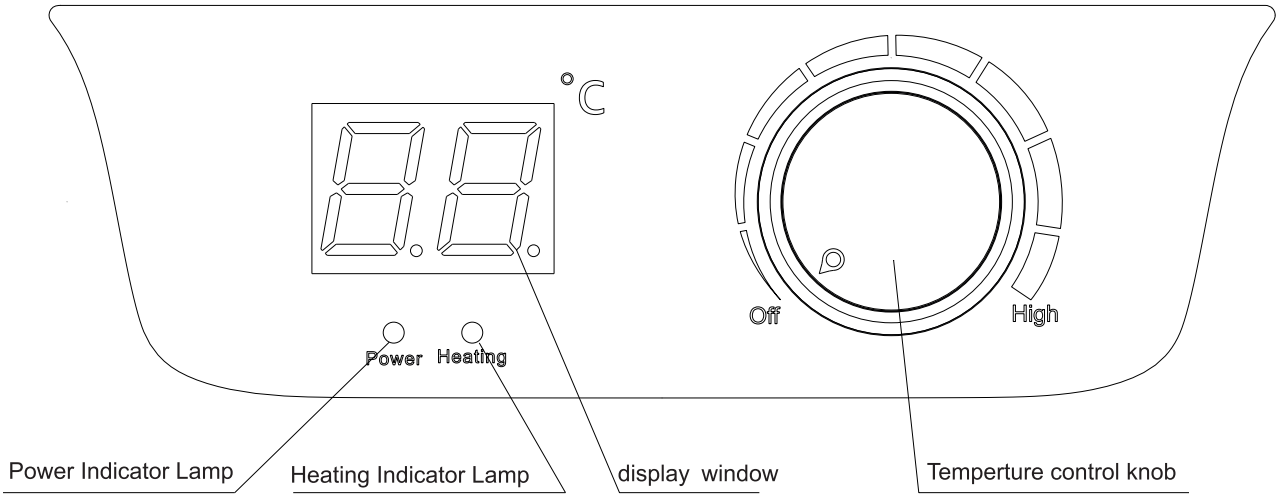


Illustration of Control Panel

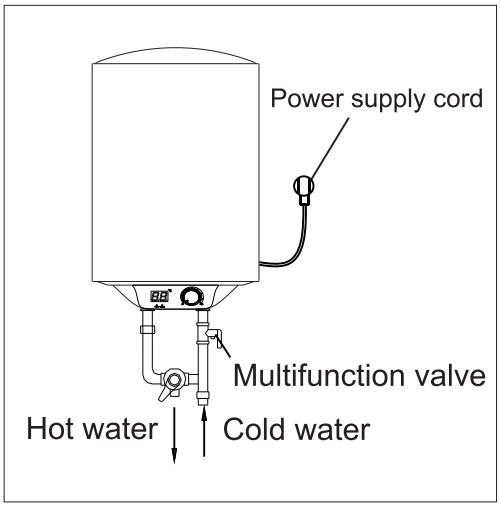
1. Display window: 2 digits LED display window can show the current water temperature.
2. Power indicator lamp: when power supply is connected, green light is on; when power supply is cut off, green light is off.
3. Heating Indicator Lamp: when water heater is heating, red light is on; when water heater stops heating or in warming condition, red light is off.
4. Temperature control knob: adjusting water temperature.

Operation

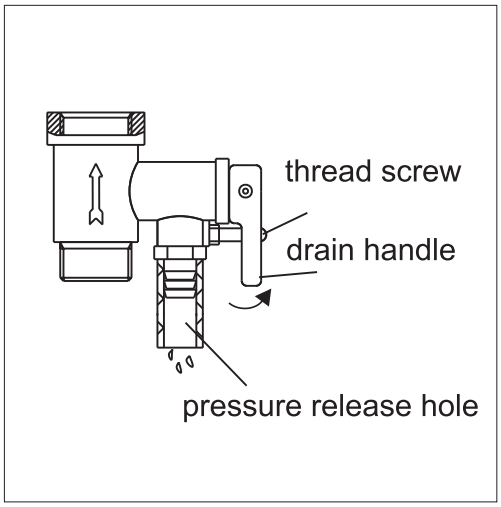
1. Setting water heating temperature
   Turn the temperature control knob can adjust heating temperature.
   The temperature adjusting range is 30-75 °C. Rotate clockwise to get higher temperature, rotate counterclockwise to get lower temperature.
   It is better to turn control knob to high temperature area in order to get more hot water.
2. Heating and warming
   Water heater can control temperature automatically. When heating to setup temperature water heater will cut off power supply and stop heating. When water temperature decrease to certain value, water heater will connect power supply and reheat.

Note: hot water is supplied under heating/warming mode.

3. Stop heating
   When the control knob locates at "off", power supply would be cut off and water heater stop heating.



(Fig.6)



(Fig.7)

Cautions

- 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 care 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.7) to drain the water from the inner tank.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or related qualified person in order to avoid a hazard.
- This appliance is not intended for use by persons(including children)with reduce physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been give supervision or instruction concerning use of the appliance by a person responsible for their safety.

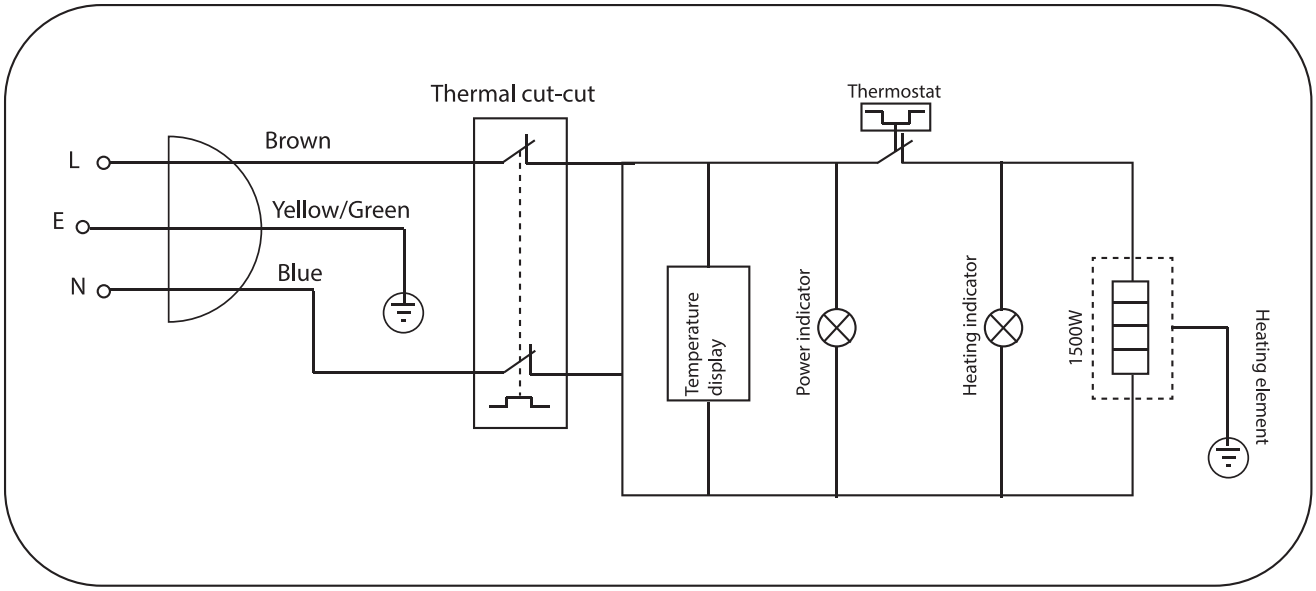
Maintenance

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.

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. 8)

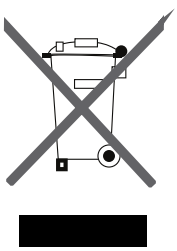
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GIA GROUP



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 providing 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 materials 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.