Electric Water Heater
User's Manual

Please read over this
User's Manual carefully
Before installation and operation

Dear Customer,
Thank you for choosing our electric water heater. Designed with advanced cutting edge technology, high reliability and of quality construction. Please read this manual carefully and keep it for future reference.

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Introduction

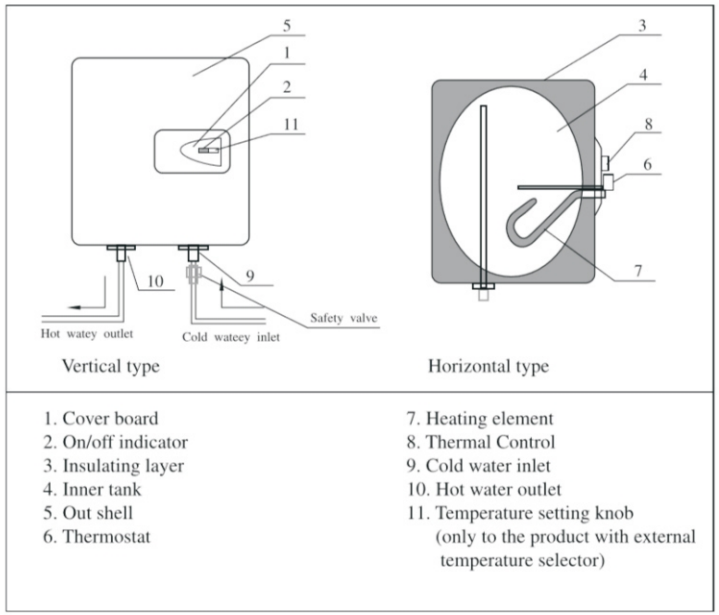
Our water heater is a highly efficient heat generator for hot water production running on electric power and regulated by an advanced temperature setting system.

Thanks to the integrated POLY insulating technology, the water heater is equipped with an extra thick insulating layer which can effectively prevent heat loss from the outer shell and therefore save energy.

The heater has a good safety system using anti over-heating protection, anti over-pressure protection and with automatic cut-off, once the desired temperature has been reached.

Theheater is made from a production line that is fully computer controlled. The specially designed inner tank surface is made with advanced electrostatic technology. Processed at 850 degrees Celsius makes the inner tank perfectly protected against shock and corrosion.

The user only needs to set the temperature to the desired setting. The temperature setting system will provide optimum operation throughout the time used.



1. Cover board
2. On/off indicator
3. Insulating layer
4. Inner tank
5. Out shell
6. Thermostat
7. Heating element
8. Thermal Control
9. Cold water inlet
10. Hot water outlet
11. Temperature setting knob (only to the product with external temperature selector)

Drawing1

Technical data table

Power supply	Max working pressure of inner tank (Mpa)	Temperature setting range (°C)
220-240V~50Hz	0.85	Cold water~70 Cold water~75

Installation

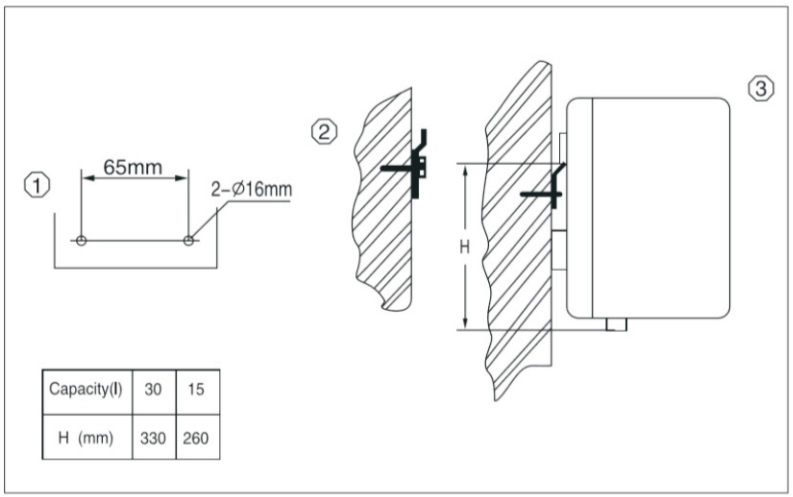
Step 1: Product Fixation

a) Use an electric drill to make two holes in a **solid wall**. The distance between the two holes should be in accordance with the following drawing. (see drawing 2)
When drilling the holes please take into consideration the position on the wall of the water connections, the type of water pipes used and the distance of the brackets from the bottom of the heater (see drawing 2).

b) Insert expansion bolts into the holes and ensure the hooks face upward.

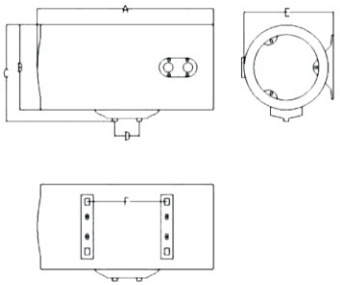
c) Lift the water heater, hang and fix it on the hook.

Note: It is strongly recommended to install the heater into a place equipped with a drainage system.



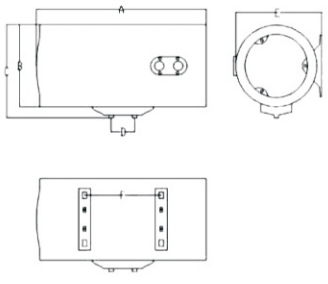
Capacity(l)	30	15
H (mm)	330	260

Drawing2



SIZE PARAMETERS

CAPACITY [LTRS.]	35L	40L	50L	60L	80L	100L
A(mm)	610	730	875	740	895	1070
B(mm)	340	340	340	410	410	410
C(mm)	380	380	380	450	450	450
D(mm)	100	100	100	100	100	100
E(mm)	360	340	360	430	430	430
F(mm)	210	320	490	275	455	635



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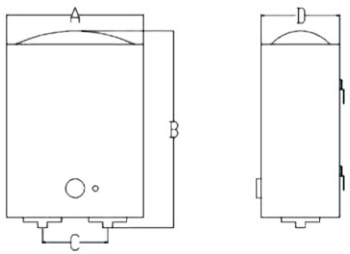
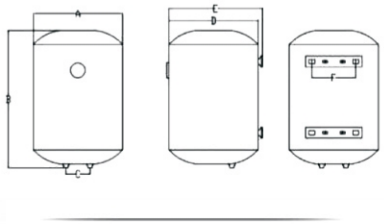
D(MM)	100	100	100	100	100	100
E(MM)	360	340	360	430	430	430
F(MM)	210	320	490	275	455	635



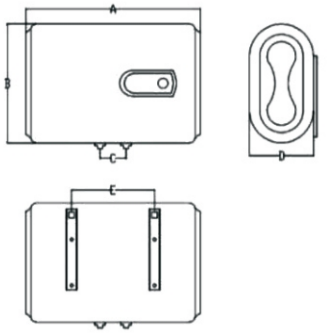
SIZE PARAMETERS

CAPACITY [LTRS.]	6L	8L
A(MM)	280	280
B(MM)	370	410
C(MM)	140	140
D(MM)	160	160



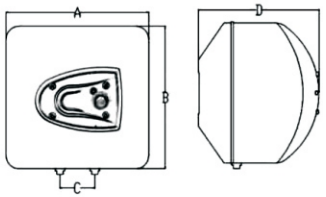
SIZE PARAMETERS

CAPACITY [LTRS.]	35L	50L	60L	80L	100L
A(mm)	340	410	410	410	410
B(mm)	600	650	740	895	1070
C(mm)	100	100	100	100	100
D(mm)	340	410	410	410	410
E(mm)	380	450	450	450	450
F(mm)		270			



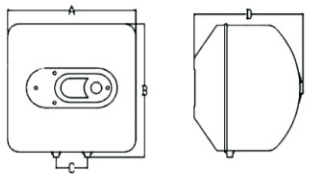
SIZE PARAMETERS

CAPACITY [LTRS.]	40L	50L	60L	80L
A(MM)	680	830	980	1080
B(MM)	460	460	460	460
C(MM)	100	100	100	100
D(MM)	240	240	240	240
E(MM)	300	450	450	600



SIZE PARAMETERS

CAPACITY [LTRS.]	15L	30L
A(mm)	340	430
B(mm)	360	430
C(mm)	100	100
D(mm)	300	360



SIZE PARAMETERS

CAPACITY [LTRS.]	15L	30L
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B(mm)	360	430
C(mm)	100	100
D(mm)	300	360

Step2: Water Pipe Connection

a) Screw safety valve on cold water inlet (blue)

b) For a water supply with multiple outlets, connect water inlet and outlet pipe to the correct reserved places respectively.

c) When filling the water heater, after having completed the water connection, open any hot water tap then open the general water tap (if using a mixer tap turn the handle towards the hot position up to the maximum). After a few minutes, water will start to run out from the hot water tap and this means the tank is filled. Close the hot water tap.

d) Check every join, to make sure there are no water leakages.

Note:

1. **Water inlet and outlet pipes should be made of materials whose pressure resistance should be over 0.8MPa and with a temperature resistance of over 100 degrees Celsius. Do notuse pipes with the pressure and temperature resistance lower than required.**

2. **Water inlet and outlet are distinguished clearly. The blue colour denotes cold water inlet while the red colour denotes hot water outlet.**

Step 3: Power Connection

a) Prior to connecting check the electrical connection has a voltage of 220-240V in AC with a frequency of 50Hz.

b) Use an appropriate power cable with plug for connecting to the electrical network or connect directly to the network through the wiring. It is strongly recommended to install an external switch for cutting off power.

c) The heater must be connected with a reliable earth connection. It is recommended to install a qualified earth leakage breaker in the loop.

Operating Instructions

1. Confirm the heater has been filled with water and the electricity is connected.

2. Turn the temperature setting knob to the required temperature. The on/off indicator should light up and the heater starts to work. (If no external temperature selector, connect the power directly. The on/off indicator should light)

3. The water heater has automatic constant temperature control function. The heater will shut off if the water temperature reaches the setting while turn on to ensure constant water temperature if the water temperature drops down from the desired temperature.

⚠ Safety Warnings

1. Must use 220-240V – 50Hz. The electrical outlet should connect with the earth line.

2. The heater should be filled with water before its first use (or the first time of use after maintenance or cleaning). Fill the heater with water first, then plug in.Do not turn the heater on until it has been filled.

3. The highest water temperatures can reach above 75 degrees Celsius. Initially, feel the water temperature with your hands and avoid spraying to your body directly.

4. If the heater is installed with a water valve on the cold inlet during working period, this valve must be always kept open.

5. During the heating period, it is normal to see water drops from the pressure release outlet of the safety valve. Don't block up the safety valve.

6. The drainpipe which connects to the pressure release outlet should be kept facing downward and open to the atmosphere.

7. Only the original safety valve from the product packing can be used. Never adjust the releasing pressure of the safety valve.

8. Any damage which occurs to the electrical components, must only be checked by anqualified technician.

9. During the winter, if the water heater hasn't been used for long period of time, the water should be drained off to prevent the inner tank from freezing. Please shut off the heater before drainage.

10. Lift handle of the safety valve at least once per month (release the set screw before lift) and observe if there is any w ater drainingout. If no water drains out, please inform customer service.

Maintenance

1. As water contains micro-impurities and mineral substances, deposits will occur on the bottom of the inner tank after a long term of use. The water heater should be emptied to remove the deposit.

2. Generally, the heater should be cleaned once ayear. (If used in areas with low water quality, the cleaning period should be shortened accordingly.)

3. The magnesium anode replacement should be done by customer service.

4. Heater emptying procedures:

5. Close the water inlet valve and unscrew the safety valve. Water will flow out through the cold water inlet till empty. Or close the water inlet valve and lift the handle of the safety valve. Water will run out from the safety valve.

6. For exterior cleaning **do not** spray water directly onto the surface. Clean and dry lightly with a moistened soft cloth.

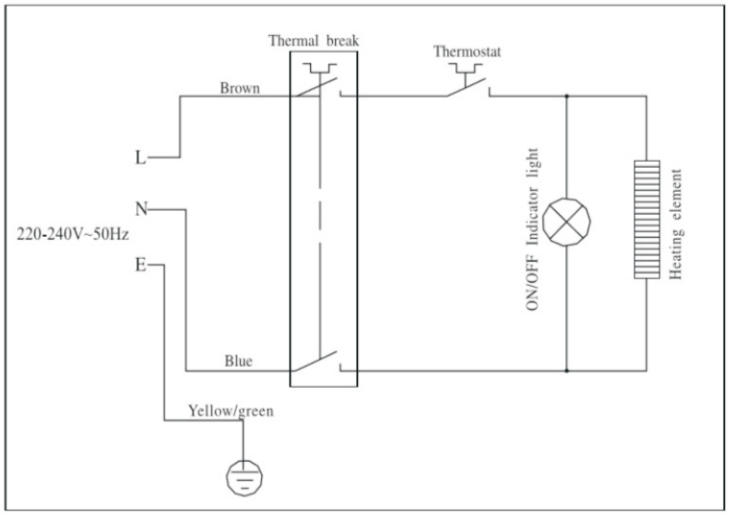
7. Keep the exterior of the water heater dry and clean.

Trouble shooting

Table2

Fault possible	Cause	Cure
No water comes out	Incorrect connection of pipes	Connect correctly
	Valve blocking	Clean or replace the valve
On/off indicator not working	No power connection	Check electrical connection
	Overheating occurs	Call customer service
	Indicator breaks	
Not enough hot water	Temperature setting knob has not been switched to "High"	Turn the knob towards "High"
	Extremely cold water when using mixer.	Adjust mix of hot water and cold water
	Failure of thermostat	Call customer service
	Failure of heating element	

Wiring Diagram



Drawing3

Accessaries

Table 3

No.	Name	Quantity
1	Safety valve	1 piece
2	User's manual	1 copy