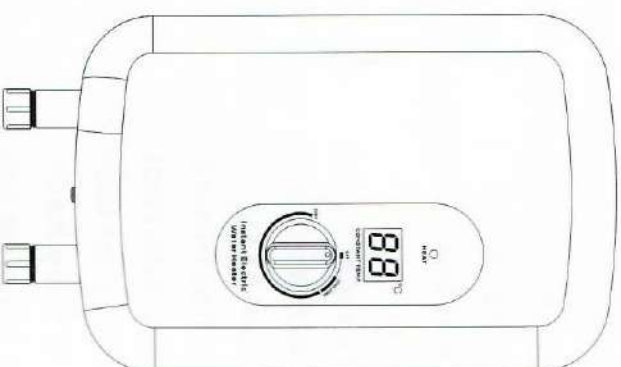


# Instruction Manual

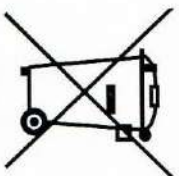
For proper operation and maintenance please read carefully and preserve the instruction manual

## INSTANT WATER HEATER



MODEL: CH-66H

## INSTANT WATER HEATER



This product must not be disposed together with the domestic waste. This product has to be disposed at authorized place for recycling of electrical and electronic appliances.

By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmental friendly and healthy way.

Remarks: The specifications may change without prior notice. All features and specifications are all given by manufacturer.

Thank you for your purchase of our instant water heater. To enjoy the service of this unit, please read and follow this manual carefully.

# WARNING!

1. The appliance must be earthed.
2. The appliance must be permanently connected to fixed wiring.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. Household use only.
5. The spray head must be descaled regularly.
6. The outlet must not be connected to any tap or fitting other than those specified.
7. The appliance is not to be installed in location where freezing can occur.
8. The new hose sets supplied with the appliance are to be used and that old hose sets should not be reused.
9. The power switch must be OFF when install the appliance.
10. 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 supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

# OPERATION GUIDE

1. First, open the inlet water switch and let the water comes out fluently to runs out the air.
2. Second, connect the electricity leakage switch.
3. Third, adjust the temperature according to your needs by the knob. The knob is 285 degrees adjustable. The most appropriate temperature for bathing is 38-42 degree.
4. The red indicator light means the heater is working and heating.
5. During the usage, customer can adjust the water flow by the valve to small and large. The smaller the water flow, the higher the temperature. The larger the water flow, the lower the temperature.
6. When stop using the machine, the internal temperature will increase. Please be careful of being burned for the second use.
7. Please turn off the main electricity power supply if the machine is not used for long time.

# NOTICE

1. Caution: There maybe a higher hot water flow from the unit when the water is temporarily turned off and turned on instantly.
2. An independent cord and a socket for power supply are required.
3. Max temperature is 55°C, not for drinking.
4. Unit must be earthed properly and permanently.
5. Do not try to pull out or insert the wire with wet hands.
6. Clean the case with damp cloth and mild detergent regularly. Do not use thinner, alcohol, petrol or any corrosive solutions.
7. Contact your local sales agent for help in case malfunction occurs.
8. Clean the filters regularly.



# INSTALLATION INSTRUCTIONS

**Note: The installation to be done by a qualified electrician or professional**

## Typical installation

1. An approved type of current operated Earth Leakage Circuit Breaker (ELCB) with 30 mA sensitivity is recommended being installed in conjunction with the heater.
2. Record the installation mounting holes, place the machine on the wall, then draw the holes on the wall according to the 3 mounting holes on the machine. (Figure 3)
3. Drill the holes and add inflated rubber particles, then screw 1 screw into the mounting hole on the top, and use it as a hook. (Figure 3)
4. Install the machine on the wall, first hang the heater on the screws on the wall, then screws the two screws below, then connect the power cord and the water pipe.
5. Turn on the water mains to drain out all plumbing dirt and fill up the heater tank. (this step will prevent possible damage to the heating element)
6. The means for disconnection supply mains having a contact separation of at least 3 mm in all poles must be incorporated in the fixed wiring in accordance with the wiring rules.

# INSTALLATION DIAGRAM

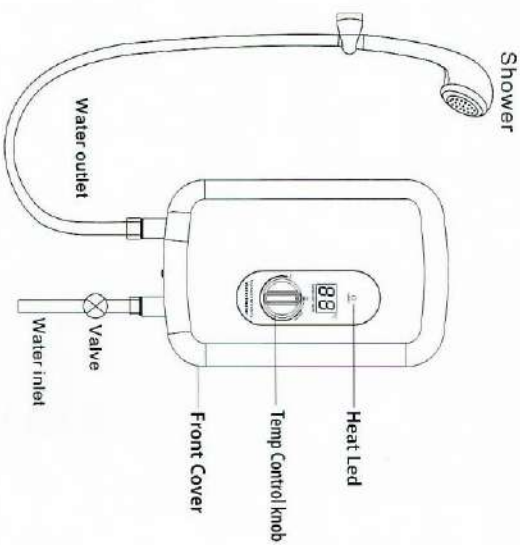


Figure 1

**Figure 2**  
Carefully remove screws A from bottom of the cover. But remember NOT to remove the knob which is an integral part of the cover. Gently lift out the cover. Rough handling is to be avoided.

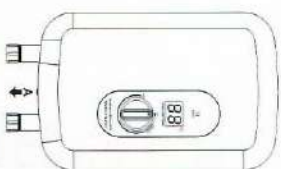
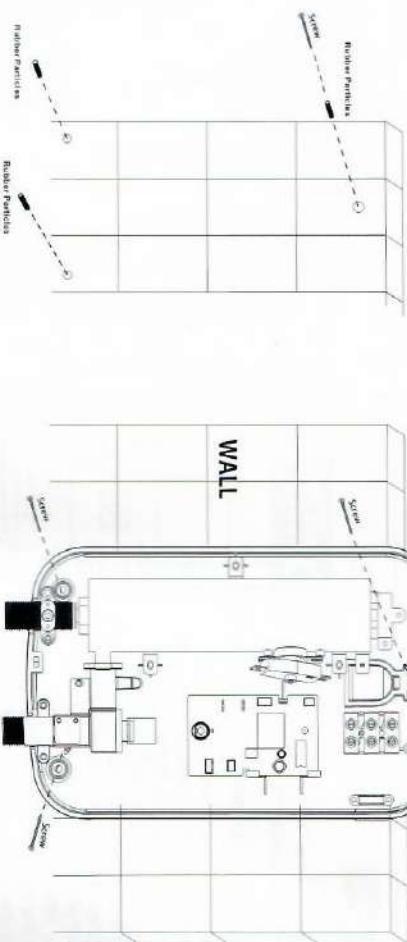
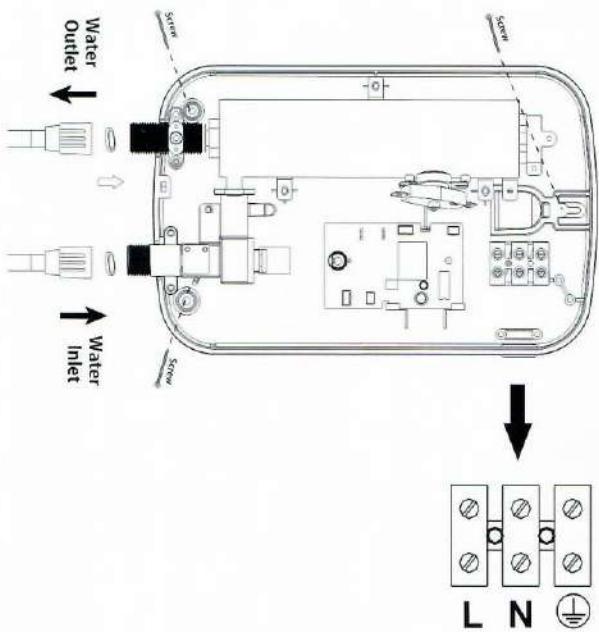


Figure 3



# INSTALLATION DIAGRAM

Figure 4



**Step3**

Users can connect the cable from the below of the unit to the terminal block.

This cable can be surfaced clipped, hidden or via 20mm conduit.

⊕ Earth cable (yellow green) to terminal marked

N neutral cable (blue) to terminal marked

L live cable (brown) to terminal marked

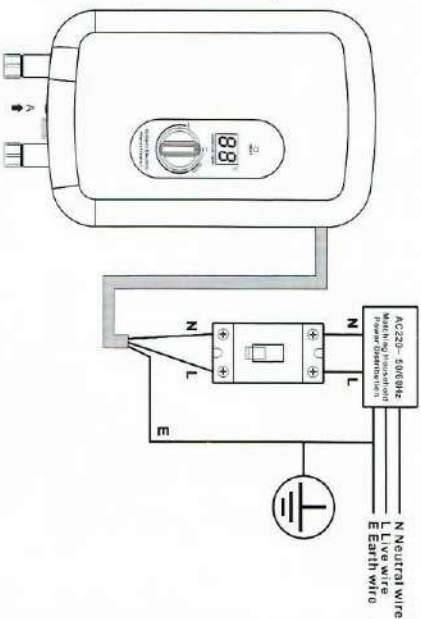
Tighten all the terminal block screws, make sure no cable insulation is trapped under the screws. Secure cable with cable tie.

Figure 5

Replace screw "A" check that the mounting is secure.

Connect wires in correct polarity (L, N).

- Connect the wires in wrong polarity (L, N) causes an abnormal condition which may lead to electric leaking, burning, etc.
- Before wiring, please check polarity (L, N) with voltage range of a tester or voltmeter by connecting one terminal of the meter to earth while the other to one of the Power Supply terminals.
- When the needle of the meter deflects greatly, the polarity of the Power Supply terminal is "L".



# TECHNICAL PARAMETER

KW loading	3.5	4.5	5.5	6.6
Recommended cable size	≥1.5mm <sup>2</sup>	≥2.5mm <sup>2</sup>	≥2.5mm <sup>2</sup>	≥4.0mm <sup>2</sup>
Recommended Amps	20A	32A	32A	32A
Voltage	220V~	Frequency	50/60/Hz	Classification of waterproof
Rated Pressure	0MPa	Operating water pressure:	0.01-0.6MPa	
			IPX4	

# TROUBLE SHOOTING

Failure	Possible Reason	Treatment
Leakage in the joint of inlet and outlet pipe	A Bad connection of inlet and outlet pipe. B The rubber washer is damaged	A Reconnect the pipe B Replace the washer
The water temperature is too high.	A Water flow is too small B Pipeline jam. C The power or temperature is set too high.	A Adjust the valve to increase the water flow. B Clear the inlet filter and shower. C Select lower power level or turn down the temperature.
The water temperature is too cold.	A The water flow is too large B The voltage is too low. C The power is too low.	A Adjust the valve to decrease the water flow. B Check if the voltage is too low or not. C Select higher power grade.
Water temperature is unstable.	temperature protection	Turn left temperature knob, decrease the water temperature
The water is getting smaller and smaller	The inlet filter or shower is blocked by water impurities	Remove the water pipe, clean the inlet filter/shower.

## Fault code analysis

Code meaning	Display code	Solution
Over temperature protection	E2	1. Increase the inlet water flow 2. Decrease the setting temperature
Water outlet sensor failure	E3	Replace the inlet water sensor

# SCHEMATIC WIRING DIAGRAM

