



Electric Water Heater Instruction Manual

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For the electronic manual, please visit:

http://obdrsqa.com/home/statics/ms_Instruction_manual.pdf

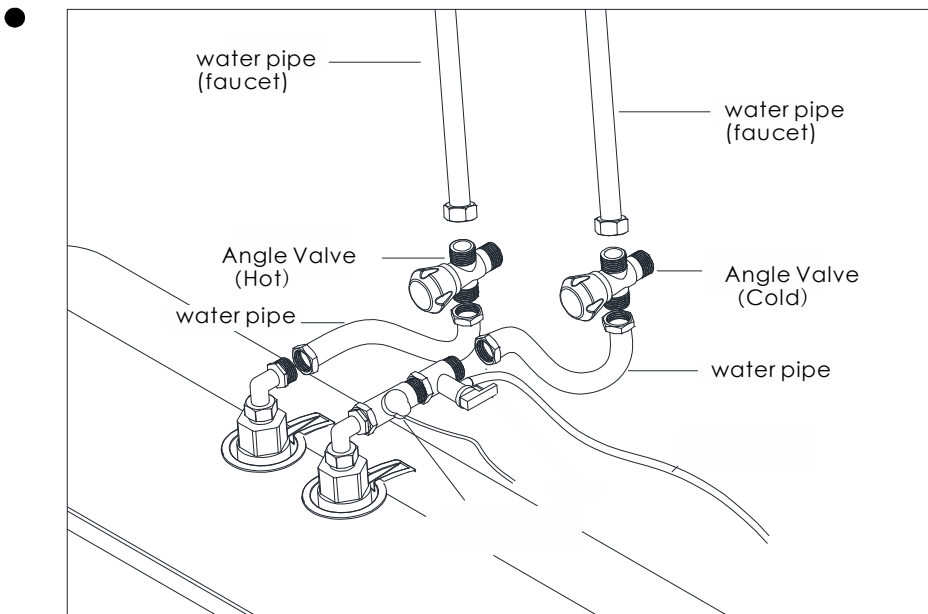
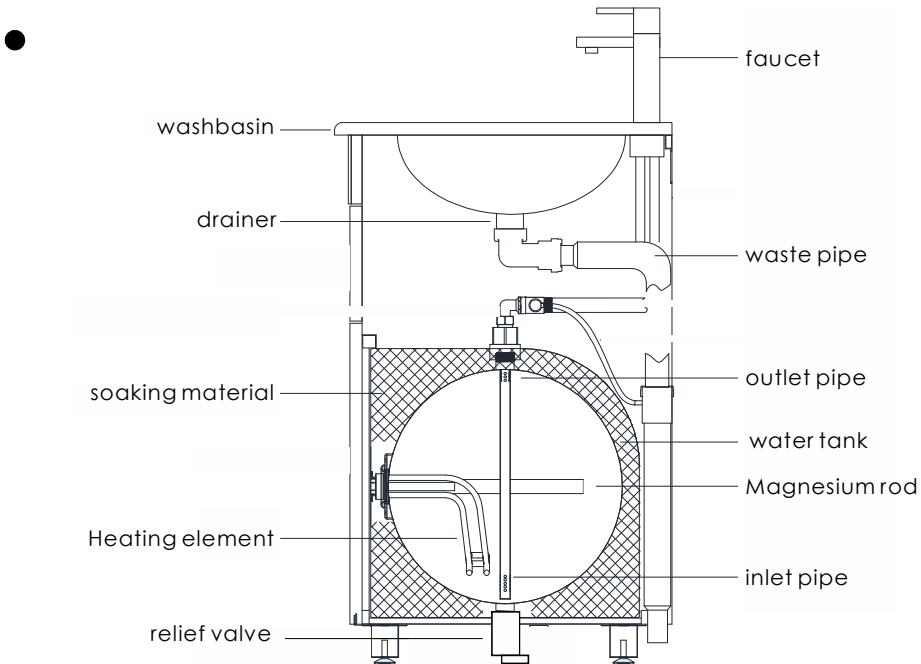
Warning

- The appliance is not to be used 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.
- children being supervised not to play with the appliance.
- the water may drip from the discharge pipe of the pressure-relief device and that this pipe must be left open to the atmosphere.
- the pressure-relief device is to be operated regularly to remove lime deposits and to verify that it is not blocked;
- A discharge pipe connectec to the pressure reliefdeviceinstalled downwards directien and in a frost-frce environment
- DANGER: The operation of the thermal cut-out indicates a possibly dangerous situation. Do not reset the thermal cut-out until the water heater has been serviced by a qualified person.
- DANGER: Failure to operate the relief valve easing gear at least once every six months may result in the water heater exploding. Continuous leakage of water from the valve may indicate a problem with the water heater.
- If the water supply pressure exceeds the rated pressure, a pressure reducing valve is to be fitted in the installation.
- Maximum inlet water pressure 0.5Mpa
- Hose-set is not be used

User's Instructions

- Before installation and use, make sure the power socket is reliably grounded.
- Use 180 - 250V, 50Hz power supply. It is recommended to choose products from reliable and well - known brands for the socket. The rated current value of the socket should not be lower than that of the electric water heater. The socket circuit should be connected with a dedicated branch circuit. Check whether the ammeter, circuit breaker, and wire diameter meet the requirements of the electric water heater.
- The power socket should be installed in a dry place where water spray cannot reach. Do not plug or unplug the power plug with wet hands. Otherwise, there is a risk of electric shock and injury.
- Relief valve must be installed at the cold water inlet of this electric water heater. For safety reasons, do not change the installation position without permission. When the electric water heater is working normally, water droplets may drip from the pressure relief port of the relief valve, which is a normal phenomenon.
- Our company will not be responsible for any losses caused by improper installation of this water heater.
- Before each use, the electric water heater must be filled with water before connecting the power supply for heating. When filling water, turn the mixing faucet to the hot water side and open it to exhaust the air in the inner tank. After filling, close this faucet.
- In cold and freezing areas in winter, when the electric water heater is not used for a long time, the water in the inner tank of the electric water heater should be drained.
- Note: If you do not fully comply with the content of this instruction manual, it may cause a fire, resulting in property damage, personal injury, or casualty.

Installation Operation



Installation Operation

- The installation of this electric water heater must be completed by professional installers with installation experience. The selection of installation accessories and the installation of the water heater should meet the requirements of specifications and relevant safety technical regulations, and should also comply with relevant laws, regulations, standards, and the requirements of the product instruction manual in the fields of electricity, construction, and environmental protection issued by the state and local governments.

● Installation Location:

1. Avoid places where flammable gases may leak or environments with strong corrosive gases.
2. Avoid places where strong electricity and strong magnetic fields operate directly.
3. Plan the home water and electricity circuits in advance.
4. The installation location should be close to the sewer.

● Installation Steps:

1. The power supply should be 50Hz, and the rated voltage should be in the range of 180V - 250V. The connection of the water heater should generally.
2. use a dedicated branch circuit, and its carrying current should be greater than the maximum current value of the water heater. It is recommended to use 4 - square - millimeter wires, an independent socket, and reliable grounding. Otherwise, the water heater cannot be installed.

Installation Operation

Installation Steps:

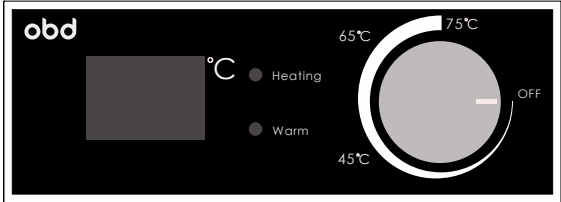
1. Use the random accessories for installation. Do not replace, omit, or modify them at will.
2. Check whether the positions of the live wire and neutral wire of the socket are correct (correct: left neutral wire, right live wire) and whether the grounding is reliable.
3. Refer to the installation diagram to connect the safety valve (rated pressure: 0.75MPa) and other accessories properly.
4. After the installation is completed and all pipelines are connected, check whether the pipeline connection is reasonable. First, turn the faucet or showerhead of the bathroom cabinet to the hot water side and open it, then open the water inlet valve, and then fill the water heater with water to exhaust the air until a uniform water flow comes out of the hot water faucet, indicating that the water is full. Close the faucet of the bathroom cabinet and check that there is no water leakage at each connection.
5. Test - run the installed water heater. Use a test pen or multimeter and other instruments to check whether there is any leakage at the parts of the bathroom cabinet that may be electrified. It can be put into use only after confirming safety.
6. After normal operation, check whether all performance indicators are in line with the product instruction manual. Introduce the necessary knowledge of use, maintenance, and care to the user, and carefully fill in the installation certificate, which should be filed after being confirmed by the user and signed by the installer

Note: Installers should clearly inform users if the installation conditions cannot be met

Instructions for use

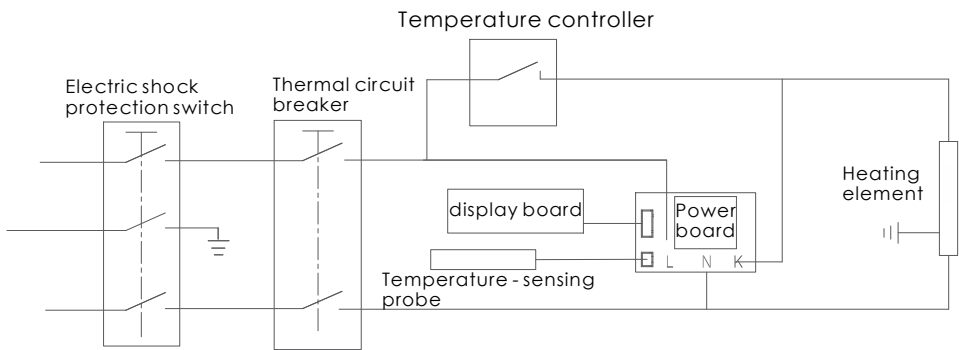
- Power - on: Before the first use or after the tap water supply is cut off, please pay attention to the following checks:
 1. Check whether the sealing of the sewage outlet is dripping.
 2. Check whether there is water leakage at each interface.
 3. Check whether the safety valve is correctly installed on the electric water heater and whether its pressure relief port overflow pipe is properly placed.
 4. Check whether there is any abnormality in the socket circuit, such as the ground wire being electrified or the live wire and neutral wire being reversed.
 5. Check whether the electric water heater is full of water. Turn the faucet or showerhead of the electric water heater to the hot water side and open it, then open the water inlet valve for water injection. At this time, cold water enters the water heater, and the air in the inner tank is continuously discharged until water flows out evenly from the faucet, indicating that the water is full.
 6. Plug in the power cord plug of the water heater.
- Once it is found that the power cord of the water heater is damaged, stop using the water heater immediately, pull out its power cord plug or disconnect all connections to the power supply circuit (including the ground wire), and have the specified power cord replaced by relevant maintenance personnel before using the water heater again.

Function Operations



- 1. Adjust the knob to set the temperature. When rotated clockwise to the maximum, the set temperature is 75° C (± 5° C). When rotated counterclockwise to the minimum, the heating is turned off.
- 2. The digital display screen shows the current water temperature of the water heater.
- 3. When the machine is in the heating state, the heating light is on and the warm light is off.
- 4. When the machine is heated to the set temperature, the heating light is off and the warm light is on.

Electrical Schematic Diagram



Technical Parameters

Model	MS50C	MS60C	MS80C
Rated Capacity (L)	50	60	80
Size(L*W*H)mm	700*480*850	800*480*850	1000*480*850
Rated Power (W)	3000	3000	3000
Rated Frequency (Hz)	50	50	50
Rated Voltage (V)	220-240	220-240	220-240
Rated Pressure(Mpa)	0.85	0.85	0.85

Troubleshooting

- Display Screen Not Lighting:
 1. Check whether it is in the power - on state.
 2. Check whether the power socket is in good contact and whether the voltage of the power socket is normal.
 3. Check whether the leakage protection switch has tripped.
 4. If the over - temperature protection has been activated, disconnect the power supply and contact professional maintenance personnel for inspection.
 5. If the display board or power board is damaged and needs to be replaced, contact professional maintenance personnel for inspection and replacement.
- No Hot Water or Hot Water Not Hot Enough:
 1. Adjust the water heater temperature to a high level.
 2. Check whether the pipeline connection is correct and whether cold water is mixed in the hot water pipeline.
 3. If the heating element or power board is damaged, contact professional maintenance personnel for replacement.
- The Machine Keeps Heating but the Temperature Does Not Rise or Drops:
 1. Check whether water is being discharged for use.
 2. Check for pipeline problems. The troubleshooting method is to turn off the water inlet valve and then check whether the temperature rises normally during heating.
 3. If the heating element or power board is damaged, contact professional maintenance personnel for replacement.

Draining procedure

1. Turn off the water heater's power supply. Never drain or flush the tank while the unit is energized.
2. Close the cold water inlet valve. Do not refill the tank with water during the drainage process, as this will prevent the tank from being fully emptied.
3. Open the handle of the pressure relief valve at the bottom of the water heater or remove the valve entirely.
4. Turn on the faucet and set it to the hot water side to allow the tank to vent to the atmosphere.
5. Once the water heater is fully drained, close the pressure relief valve handle or reinstall the valve.