

YUEWO LD-Heater-380C

YUEWO 2500W Water Distiller Spiral Electric Water Heater Element

MODEL: LD-HEATER-380C (COPPER 380V)

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your YUEWO 2500W Water Distiller Spiral Electric Water Heater Element. Please read these instructions carefully before use and retain them for future reference.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- This product is designed exclusively for heating liquid substances.
- The heating element **must be completely immersed in water** before and during operation.
- **Prohibited Dry Burning:** Operating the element without full immersion in liquid will cause severe damage to the element and poses a significant fire hazard.
- Ensure the power supply voltage matches the element's rated voltage (220V or 380V).
- All electrical connections should be performed by a qualified electrician in accordance with local electrical codes.
- Disconnect power before installation, maintenance, or inspection.
- Keep out of reach of children.

3. Product Features

- High-temperature tube electrical water heater design.
- Suitable for various home and industrial appliances requiring liquid heating.

- Fast heat exchange rate and quick temperature raising capability.
- Designed for high safety: no spark, no naked flame during operation.

4. Specifications

Specification	Detail
Model	LD-Heater-380C
Material	Copper (for this variant), Stainless Steel also available
Voltage	220V / 380V (depending on model)
Power	2500W
Approximate Dimensions (Dia x H)	8.5 cm x 6 cm (3.5 in x 2.4 in)
Approximate Weight	500g
Style	Indoor Installation
Manufacturer	YUEWO

5. Setup and Installation

The heating element is designed for integration into suitable liquid containers such as water distillers, steaming machines, or boilers. Proper installation is crucial for safety and performance.

1. **Mounting:** Securely mount the heating element into the designated opening of your appliance. Ensure a watertight seal using appropriate gaskets and nuts (typically M16 thread for terminals). Refer to the dimension diagrams below for proper fitment.
2. **Electrical Connection:** Connect the element to the appropriate power supply (220V or 380V) according to the wiring diagrams provided. Ensure all connections are tight and insulated.
3. **Grounding:** Always ensure the appliance and heating element are properly grounded to prevent electrical hazards.

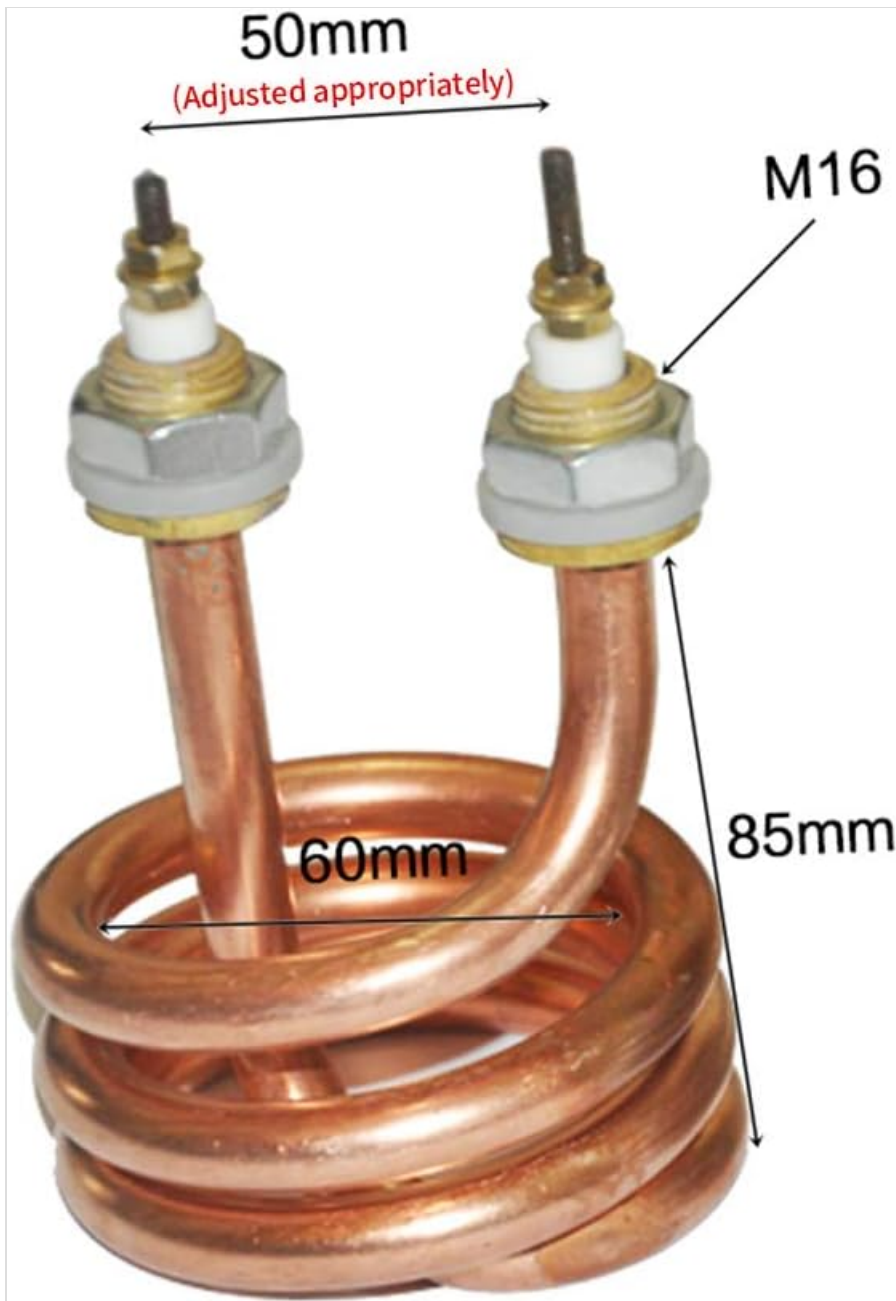


Image 1: Copper spiral heating element with key dimensions (85mm height, 60mm coil diameter, 50mm terminal spacing, M16 thread).



Image 2: Stainless steel spiral heating element with key dimensions (85mm height, 60mm coil diameter, 50mm terminal spacing, M16 thread).

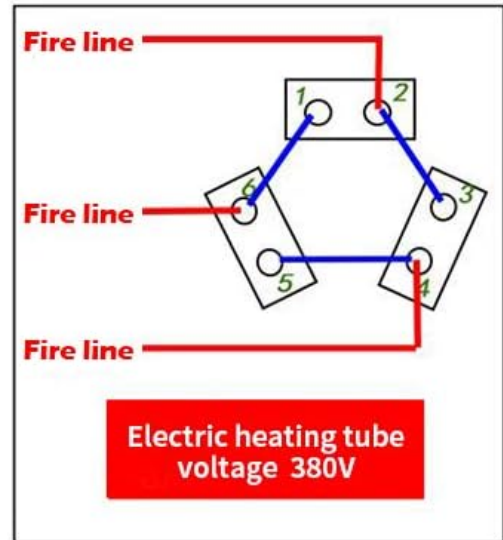
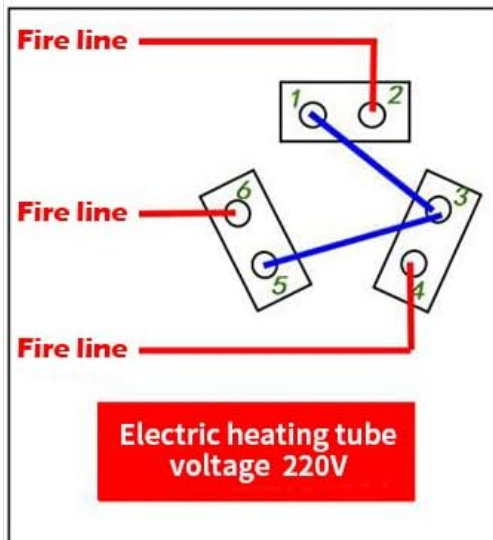


Image 3: Example installation of heating elements and wiring diagrams for 220V (star connection) and 380V (delta connection) power supplies. Consult a qualified electrician for wiring.

6. Operating Instructions

Before activating the heating element, ensure all installation steps are completed and verified for safety.

1. **Fill Container:** Ensure the container is filled with the liquid to be heated, completely immersing the heating element.
2. **Power On:** Once the element is fully immersed, connect the appliance to the power supply and switch it on.
3. **Monitor:** Observe the heating process. The element will rapidly raise the liquid temperature.
4. **Power Off:** Disconnect power to the element when the desired temperature is reached or when heating is no longer required.
5. **Never operate the element dry.** Always ensure it is fully submerged in liquid during operation.

This heating element is suitable for applications such as steaming machines, drinking fountains, water boilers,

distillation pots, and medical sterilization equipment.

7. Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your heating element.

- **Inspection:** Periodically inspect the heating element for signs of corrosion, scale buildup, or physical damage.
- **Cleaning:** If scale buildup occurs, carefully clean the element using appropriate descaling agents or methods suitable for the element's material (copper or stainless steel). Always disconnect power before cleaning.
- **Connections:** Check electrical connections periodically to ensure they remain tight and free from corrosion.
- Replace the element if significant damage or wear is observed.

8. Troubleshooting

If you encounter issues with your heating element, consider the following common solutions:

- **No Heat:**
 - Check power supply: Ensure the element is receiving power and the circuit breaker has not tripped.
 - Verify wiring: Confirm all electrical connections are correct and secure according to the wiring diagrams.
 - Element failure: If power is confirmed and wiring is correct, the element may be faulty and require replacement.
- **Slow Heating:**
 - Scale buildup: Excessive mineral deposits on the element can reduce heating efficiency. Refer to the Maintenance section for cleaning.
 - Insufficient power: Ensure the element is connected to the correct voltage (220V or 380V) and the power supply is stable.
- **Leakage:**
 - Check seals: Ensure gaskets and mounting nuts are properly tightened to create a watertight seal.
 - Inspect element: Look for cracks or damage to the element tube itself.

For persistent issues, consult a qualified technician.

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your purchase receipt as proof of purchase.