



Yu Shunlong Restaurant and Kitchen Supporting Expert

Commercial water dispenser

Installation and Operation Manual

Introduction



A7 Seat mounted dual purpose pure boiling water machine



H8 Bar counter microcomputer stepping fast water dispenser



I5 Wall mounted microcomputer stepper type fast drinking water dispenser

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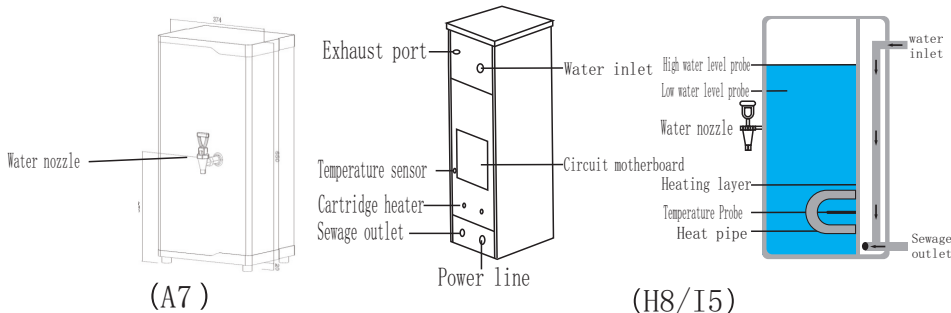
Points for attention

- Please read the product manual carefully before use.
- This manual is not applicable to individuals (including children) who have physical, sensory, or intellectual disabilities, or lack experience and knowledge.
- The fixed circuit connected to the appliance must be equipped with a control device that provides full disconnection of the contact distance under overvoltage level three conditions.
- The new hose assembly that comes with the appliance, and the old hose assembly cannot be reused.
- When temperature control or other faults are found during use, the power should be immediately cut off and stopped, and professional personnel should inspect and repair it. Only after repair can it be restored to use.
- When cleaning, maintaining, and stopping use, the power plug should be unplugged or the power switch should be turned off, and it should be carried out after cooling with boiling water to ensure safety.
- During use, do not let children play with the boiling water faucet to avoid burns.
- It is strictly prohibited to place it in a place with liquid splashing, clean it with spray pipe, and immerse it in water for cleaning.
- Do not move the lid of the kettle when the water is boiling.
- If the appliance is filled too full, boiling water may spray out.
- If the power cord is damaged, in order to avoid danger, it must be replaced by professionals from the manufacturer, its maintenance department, or similar departments.
- Logo Description: ⚠ For equipotential markers
- Logo Description: ⚡ Hazardous voltage
- Logo Description: 🔥 High temperature sign
- The surface of the appliance may become hot during use
- Please turn off the power and water sources when the machine is stopped and not in use
- After completing the work, please cut off the power supply and do not keep the power cord connected to avoid danger
- It is recommended to choose a place close to the water source, power supply, and with good drainage for easy maintenance, with an indoor temperature of about 5° C-40° C
- The water heater should be placed in a dry and ventilated indoor area, and should not be installed in a humid environment. Otherwise, moist air and water vapor entering the electrical box can easily condense on the surface of the insulation medium, reducing its insulation performance and causing leakage accidents
- Please do not place high-pressure, flammable, or explosive materials near the water heater and avoid interference from strong magnetic (electrical) fields
- This product belongs to the heating category, and a minimum distance of 30cm should be kept around the product from walls and nearby objects
- Please use tap water that meets the water quality standards and cannot include tea leaves or other ingredients
- Avoid installing within the range of direct sunlight, as the overall temperature of the machine will rise sharply under direct sunlight, causing the internal electronic control system to malfunction or even be damaged. Strictly prohibit moisture and maintain ambient temperature of 5° C-40° C
- Keep the inlet temperature and room temperature above 0° C without freezing. When using in very cold areas, please consult with the manufacturer.
- Internal freezing can cause cracks in the water tank and damage to parts
- When there is damage to the product due to freezing, the power and water source should be immediately cut off, the residual water inside the machine should be discharged, and the manufacturer should be communicated to return to the factory for repair or have a person with relevant professional qualifications for repair
- Do not use chemical bleach, corrosive cleaning agents, or hard objects to strike or scratch the shell of the water heater
- When not in use for a long time, drain the water from the sink and keep the interior free of water. When reusing, be sure to clean the sink and inspect the parts
- The power connection method of this machine is a Y-shaped connection

Safety instructions (A7/H8/I5)

- Confirm that the power supply used in this machine matches the transmission and distribution circuit, and meets the requirements for safe use. The parameters of the electrical socket must match the requirements of the plug and power cord
- The water source pressure of the water heater needs to be within the specified range (see technical parameters for details). If the pressure is too low, it will cause the inability to enter the water, while if the pressure is too high, it will cause damage to the machine.
- Do not modify the water dispenser in any way, only use our designated spare parts for replacement. Please do not allow the water dispenser to be near natural gas or other flammable and explosive materials.
- Avoid contact between the surface of the machine and flammable and explosive objects, ensure that the machine is used in a safe and fireproof environment, and maintain a minimum distance of 30cm from other equipment.
- Please do not disassemble or disassemble items not mentioned in this manual. Confirm whether the ground wire is reliably connected.
- It is strictly prohibited to touch the boiled water outlet with your hands to avoid burns.
- The water heater should be used indoors and should not be installed outdoors or in damp environments.
- Do not use damaged power cords. Before using a water heater, replace the damaged components to avoid electric leakage accidents.
- When cleaning, maintaining, and repairing the water heater, be sure to turn off and cut off the power and water sources.
- It is prohibited to share ground wires with other electrical appliances to avoid affecting the normal operation of the water heater due to leakage from other electrical appliances.
- Please ensure that the exhaust port is connected smoothly to the silicone hose, and avoid blocking or folding to prevent water and steam from being discharged, which may cause pressure on the inner container.
- If the inlet pressure is too high or affected by scale, an electromagnetic valve should be installed to control it to avoid uncontrolled overflow.
- The water dispenser must be installed and repaired by a certified and qualified service provider.
- The normal operation of the water heater requires qualified water quality. The water quality used in this water heater needs to meet the water quality requirements in the manual. It is recommended that customers install pre filtration equipment for water quality that does not meet the requirements.
- Use the new hose assembly that comes with the appliance, and the old hose assembly cannot be reused.

Component Name



The pictures are for reference only, please refer to the actual product!

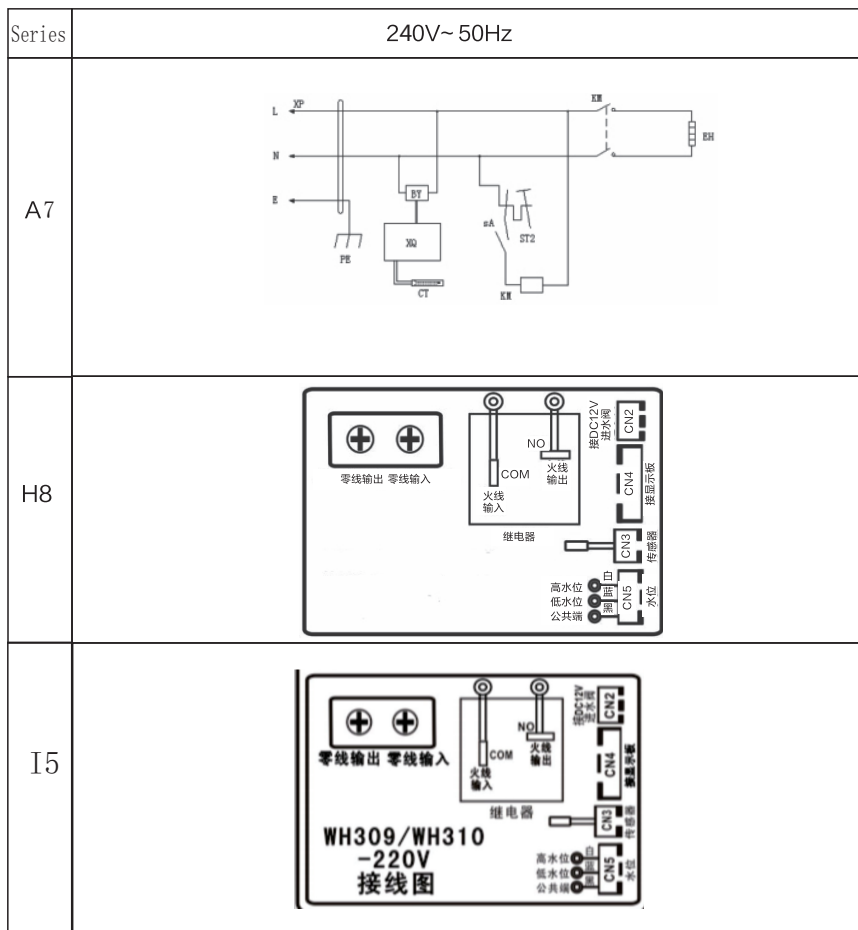
Installation Method(A7/H8/I5)

1. This machine must be placed indoors for use. The water dispenser should be placed on a stable horizontal table or bracket, with the body at least 30cm away from the wall. Connect with a 15mm (1/2 ") metal water pipe or hose, and install a water inlet control valve.
2. The power connection must be carried out by electrical professionals. The protection of this machine against contact with live parts is classified as Class II. Water heaters equipped with single-phase power plugs must be equipped with a reliable protective grounding three-hole socket; The three-phase power boiler without a plug must be equipped with a leakage protection switch with a large opening distance (contact opening distance of more than 3mm) and full pole disconnection in the power supply line.
3. The green and yellow dual color wires in the power cord are grounding conductors and must be reliably connected to protective grounding conductors that comply with national electrical safety regulations.
4. Warning: It is strictly prohibited to connect the grounding wire to pipes such as water pipes, gas pipes, and heating pipes, otherwise it may cause safety accidents.
5. There is a mark on the back of this machine (equipotential connection terminal). If there are other electrical equipment in the room, equipotential connection should be carried out using a suitable copper core wire with a nominal cross-sectional area of 2.5mm²-10mm² to reliably connect the equipotential terminal of this machine to the equipotential terminals of other equipment.
6. This product should be placed in a drainage channel to facilitate timely drainage of water flowing out of the inlet valve when it loses control.

Usage method

Series	Usage method
A7	<p>1. When using, please turn on the water source switch. The inlet pressure should be between (100-400) kPa, and the water tank will automatically start to fill. When the water is full, the injection will automatically stop. Check if the water tank is leaking, and if it is not, turn on the power switch. At this point, both indicator lights are on, with a red light indicating power and a green light indicating drinking. After the water boils, the green light remains on and the heating tube stops heating. When the water temperature drops to a certain level, the green light will go out again, and water will enter for heating. During the heating period, the green light will light up and not light up, which is a normal phenomenon. Users can drink with confidence.</p> <p>2. The temperature controller of this machine has been adjusted before leaving the factory, and users generally do not need to adjust it. However, due to differences in air pressure at different altitudes or transportation vibrations, the adjusted temperature control point is offset, resulting in low water supply temperature or uncontrollable continuous boiling of water. Users should ask electrical professionals to adjust according to the following methods:</p> <p>(A) Fill the container with water, cut off the power supply, and remove the electrical box cover to ensure normal operation;</p> <p>(B) If the temperature controller does not turn on and the heating tube does not heat when the water temperature is below 98 ° C, please turn the temperature controller clockwise until the temperature controller is turned on (the green light is on);</p> <p>(C) If the water temperature reaches 100 ° C and the thermostat continues to turn on, and the heating pipe does not stop heating, please turn the thermostat counterclockwise until the thermostat is disconnected (green light). After repeated 2-3 cycles of adjustment, the requirements can be met.</p> <p>(D) After adjusting the temperature controller, please cut off the power and install the electrical cover plate.</p>

Series	Usage method																																																												
	<p>1. Set user parameters: Press and hold the setting button for 8 seconds in the shutdown state to enter the user parameter setting interface. Press the increase or decrease button to adjust the parameters. After 10 seconds of inactivity, the system will automatically save the settings and return to the shutdown interface. The following table is a parameter table:</p> <table><tr><th>Parameters</th><th>Indicator</th><th>Minimum value</th><th>Default value</th><th>Maximum value</th></tr><tr><td>Current time hours</td><td>/</td><td>0</td><td>/</td><td>23</td></tr><tr><td>Current time minute</td><td>/</td><td>0</td><td>/</td><td>59</td></tr><tr><td>Scheduled startup time</td><td>Timing, Off</td><td>0: 00</td><td>0: 00</td><td>23: 50</td></tr><tr><td>Scheduled shutdown time</td><td>Timing, On</td><td>0: 00</td><td>0: 00</td><td>23: 50</td></tr><tr><td>Stop heating temperature</td><td>Heating lamp</td><td>30℃</td><td>94℃</td><td>96℃</td></tr></table> <p>Remarks:</p> <p>A. When there is a timing key on the display board, there is no "timing mode switch" parameter.</p> <p>B. The maximum value displayed when the user adjusts the stop heating temperature can reach 99℃, but the internal control of the system still follows the maximum value in the table above.</p> <p>2. Set system parameters: Press and hold the on button for 3 seconds in the user parameter setting interface to enter the system parameter setting interface. Press the increase or decrease button to adjust the parameters, and press the on button to switch parameters. After 10 seconds of inactivity, the system will automatically save the settings and return to the shutdown interface. The following table is a parameter table:</p> <table><tr><th>Parameters</th><th>Indicator</th><th>Minimum value</th><th>Default value</th><th>Maximum value</th></tr><tr><td>Insulation return difference</td><td>H</td><td>2℃</td><td>4℃</td><td>9℃</td></tr><tr><td>Insulation temperature difference (step by step)</td><td>b</td><td>0</td><td>2</td><td>9</td></tr><tr><td>Water inlet speed</td><td>P</td><td>0</td><td>4</td><td>20</td></tr><tr><td>Sensitivity of water level monitoring</td><td>L</td><td>1</td><td>15</td><td>25</td></tr><tr><td>Water inlet mode</td><td>J</td><td>0</td><td>0</td><td>1</td></tr></table> <p>A. Insulation return difference: Heating restart temperature after water is full=(stop heating temperature - insulation return difference)</p> <p>B. Insulation return difference (for stepper type): The heating restart temperature after water is full=(stop heating temperature - insulation temperature difference - insulation return difference).</p> <p>C. Water inlet speed: used to match and adjust the water inlet speed based on the heating power of the machine. The empirical value of 3KW is 4-6, while ensuring a constant display temperature. The larger the value, the faster the water inlet speed. (Adding 1 means the water inlet time is extended by 0.25 seconds) Selecting 0 means there is no such function and only temperature control is used to control the water inlet.</p> <p>D. Sensitivity of water level detection: The higher the sensitivity, the purer the water can be detected, but the higher the sensitivity, the easier it is to misjudge. It is recommended to always use the default values.</p> <p>E. Water inlet mode; 0 represents stepper type, 1 represents floating ball type.</p> <p>3. Turn on and off: In the off state, press the on button briefly to turn on the device. In the on state, press and hold the on button for 2 seconds to turn off the device. In the off state, the display only shows Beijing time, and there is no other display.</p> <p>4. Scheduled start and cancel:</p> <p>A. Press and hold the setting button for 3 seconds during startup to activate the timer function; Cancel and hold down the setting button for 3 seconds to deactivate the timer function.</p> <p>B. When the timer function is enabled, the "timer" light or icon remains on; When the timer function is disabled, the "timer" light or icon goes out.</p> <p>C. In timed operation mode, if clock data is lost due to power loss of the built-in capacitor, the "timer" light or icon will flash to indicate the need to reset the clock and current date.</p> <p>5. Water level indicator: When the water level is low, it displays 2 levels, and when the water level is full, it displays full water level.</p> <p>6. Heating lamp (or icon): It is always on when the heating tube is working.</p> <p>7. Drinking light (or icon): During startup, when there is water at a low water level, it will always light up when the display temperature is $\geq 100^{\circ}\text{C}$, and then turn off when the display temperature is 97°C.</p> <p>8. Water inlet light (or icon): It always lights up when the low water level is not connected, and flashes during the water inlet period when the low water level is connected.</p> <p>9. Water shortage light (or icon): The system prompts for flashing during the water shortage period (power on, water inlet, low water level electrode not connected, 1 minute later).</p> <p>10. Fault light (or icon): Flashes during the system prompts for a fault.</p>	Parameters	Indicator	Minimum value	Default value	Maximum value	Current time hours	/	0	/	23	Current time minute	/	0	/	59	Scheduled startup time	Timing, Off	0: 00	0: 00	23: 50	Scheduled shutdown time	Timing, On	0: 00	0: 00	23: 50	Stop heating temperature	Heating lamp	30℃	94℃	96℃	Parameters	Indicator	Minimum value	Default value	Maximum value	Insulation return difference	H	2℃	4℃	9℃	Insulation temperature difference (step by step)	b	0	2	9	Water inlet speed	P	0	4	20	Sensitivity of water level monitoring	L	1	15	25	Water inlet mode	J	0	0	1
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Technical Parameter

	Model	Rated power	Rated power	Rated current	Water pressure range	Number of faucets	Product size (CM)
A7	SRZ-20	240V~50Hz	2kW	8.3A	(200-500)kPa	1	37x27x59
H8	SRZ-20	240V~50Hz	2kW	8.3A		1	20*37*64
I5	SRZ-20	240V~50Hz	2kW	8.3A		1	38*30*57

Note: Models with power below 220V 2kW (including) come with 16A plugs, while other models do not come with plugs.

Fault handling

	Fault phenomenon	Fault cause	Troubleshooting
H8/I5	The digital screen flashes and displays "EL"	Water tank is short of water	Inject water into the water tank
	The digital screen flashes and displays "HHH"	Temperature sensor open circuit or sensor not inserted	Check and repair or replace if necessary
	The digital screen flashes "LLL"	Temperature sensor short circuit	Replace temperature sensor
A7	There is a loud noise inside	1. One phase of the power supply is missing and the contact voltage is too low. 2. The contactor is damaged.	1. Repair the power supply. 2. Replace the contactor.
	The green indicator light does not turn on, and the water temperature does not rise	1. The water is not fully filled. 2. One phase of the power supply is missing. 3. The water float is stuck and not moving. 4. The travel switch does not operate.	1. Fill with water. 2. Repair the power supply. 3. Check the connecting rod of the small floating ball to make it move flexibly. 4. Check and repair, replace if necessary
	Leakage	1. Automatic water inlet valve malfunction or floating ball arm 2. The nut joint of the water valve is not tightened 3. The drain plug is not tightened.	1. Correct the float angle and adjust the float arm to bend downwards. 2. Tighten the nut. 3 Tighten the drain plug
	The work indicator light does not turn off after the water boils	Temperature controller knob position offset	Adjusting the temperature controller
	The body has induced voltage	Ungrounded or poor ground connection	Connect the ground wire properly

User Information

User Name		Telephone		Postal Code	
Mail address					
Product name		Product model			
Purchasing date		Factory No			
Repair date	Fault content			Maintenance organization	Maintenance man
	Fault conditions	Replace accessories			

*Precautions:
After the product is repaired during the warranty period, the maintenance personnel shall fill out the product repair content in the "Product Repair Record Form"

A7 H8 I5	<ul style="list-style-type: none"> ● The machine should be managed by a dedicated person and regularly inspected during use. When not in use during holidays or for a long period of time, the power and water sources should be turned off, and the water in the water tank should be drained to prevent internal components from aging, ensure safe use, and extend service life. ● Pay attention to regularly cleaning the sensors to prevent scale from affecting the automatic operation mechanism of the machine. Users can determine their own cleaning cycle based on different water quality conditions in different places. Generally, it should be cleaned at least once a month or fifteen days. Otherwise, it will affect the heat dissipation of the heating tube and cause the water level control device to malfunction. ● When there is water or dirt on the appearance, the power should be cut off, wiped clean with a cloth, and corrosive liquids should not be used for cleaning. Do not spray or immerse water for cleaning. ● The machine is equipped with a sewage discharge device, which should be regularly discharged and cleaned according to actual usage. During operation, all power should be cut off and the discharge should begin when the water temperature in the water tank drops to room temperature. It is strictly prohibited to knock or use sharp metal tools to clean the internal tank scale. ● The usage environment should be kept dry and ventilated, and do not approach flammable and hazardous materials and other electrical equipment. ● Machines with water purification devices should regularly replace the filter element based on actual usage. During operation, all power should be cut off and the water source should be turned off.
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Warranty Commitment

1. On the premise that users comply with the usage and maintenance rules, our company provides a one-year free warranty (calculated from the date of purchase) for any component damage caused by product quality issues
2. The following situations are not covered by the warranty, and users are required to pay corresponding material and repair fees
 - (1) Damage caused by violation of operating procedures
 - (2) Damage caused by using mismatched power supplies and parts
 - (3) Damage caused by non-compliance with the instructions during installation and use
 - (4) Any product damage caused by human or accidental factors.
 - (5) Damage caused by self repair or modification without our company's approval
 - (6) Aging, damage or scratches on the surface shell of the product
 - (7) A free warranty period exceeding 1 year.
3. If users find any quality issues with the product during use, please contact customer service and provide a clear photo of this warranty card. After customer service checks the user information and factory number, we will provide warranty services to users as soon as possible
4. After purchasing the product, please keep this warranty card properly. This warranty card must be provided during warranty, otherwise it will be invalid

Statement

Executive standard: GB4706.1-2005 GB4706.36-2014

With the technological innovation and improvement of the product, some parameters may be changed, and the changed parameters have no traceability to this product. Please refer to the product nameplate parameters.

All illustrations displayed in this manual are based on the appearance of standard models and are only used for **illustrative purposes. Please refer to the purchased product for actual appearance.**

If there are any changes to the content of this manual, our company will make a notice through the company's official website. We do not need to notify each other separately, unless explicitly stated in the notice.

In principle, the changes have no retrospective effect on the product.

The right to interpret the relevant provisions of this manual belongs to Guangdong Yushunlong Kitchen Industry Co., Ltd Guangdong Yushunlong Kitchen Industry Co., Ltd. (Supervised)

Service hotline: 400-030-9996

Production License: Yue XK01-302-00116

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KITCHEN KNOCK®

Yu Shunlong Restaurant and Kitchen Supporting Expert

Official website: <http://yushunlong.tmall.com/index.htm>

Service hotline: 400-030-9996

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