



WATER DIAMOND

HWZ(2006)No. 0144

Multi-functional Water Generator
MS400

USER MANUAL





WATER DIAMOND

HWZ(2006)No. 0144



8

Unique characteristics help you enjoy healthy life



1. Stylish and elegant frame, emanating noble luxury

Stylish and elegant frame is agreeable to different furniture, radiating nobly luxury; ultra LCD is clear and easy to use.



2. Endurable and efficient electrolysis chamber

Advanced electrodes, complete electrolysis, restructuring water molecules, expanding the usages and efficiencies of water



3. Multi-stages water treatment

Employing several filtering and bacterial-killing materials efficiently eliminate the impurities and disease-causing microbes, generate high quality healthy water consistently.



4. Multi-level water quality settings

Grade 0 ~ 8 electrolysis strength is applicable to varied water quality and can meet individual needs by different people.



5. 3 levels of temperature selection

Hot, normal and cold water as you prefer. Temperature from 50~ 80°C for hot water and 7~ 15°C for cold water, freely adjustable, high flux rate, fresh taste and good texture, dramatically revolutionize the traditional "1000 boiled water" .



6. Child lock function

Can effectively protect children from getting burned by accident.



7. Prevent Scale formation

The application of modern materials that conform to the national food hygienic standards has made the water pipelines maintain clean and clear, effectively prevent scale formation inside the water pipe system.



8. Humanized energy-saving device

Self-heating control system change the traditional electricity waste due to repeated heating; with the introduction of the human induction device, the machine will enter standby state if the machine is left idle in certain time.

Table of Contents

Product Introduction	1
Names and functions of parts	2
LCD	4
Functional settings panel	5
Water outlet settings panel	5
Human induction devices	6
Installation	6
Installation precautions	7
Installation procedures	7
Correct placement of the acidic water tank	7
Placement methods of the bucket water	7
Tape water connection methods	7
The switch methods of water supply	7
How to use	8
Operation precautions	9
Safety precautions of operations	9
First time use	9
Replacement of bucket water	10
Electricity-saving state	10
Daily use operation	10
Precautions for users	11
After sale service	12
Maintenance	13
After-sale service clauses	14
Product technical specifications	14

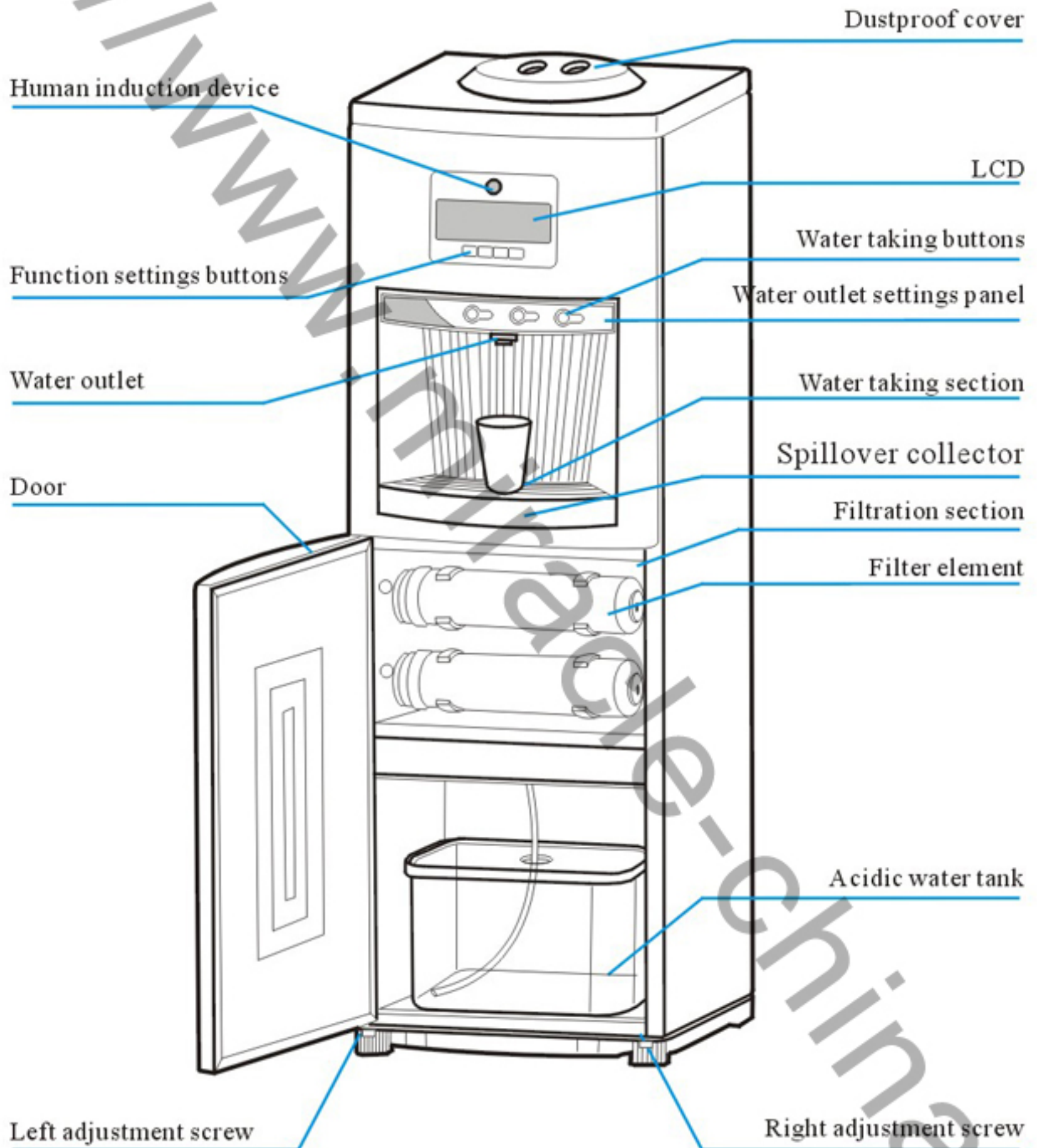
Product Introduction



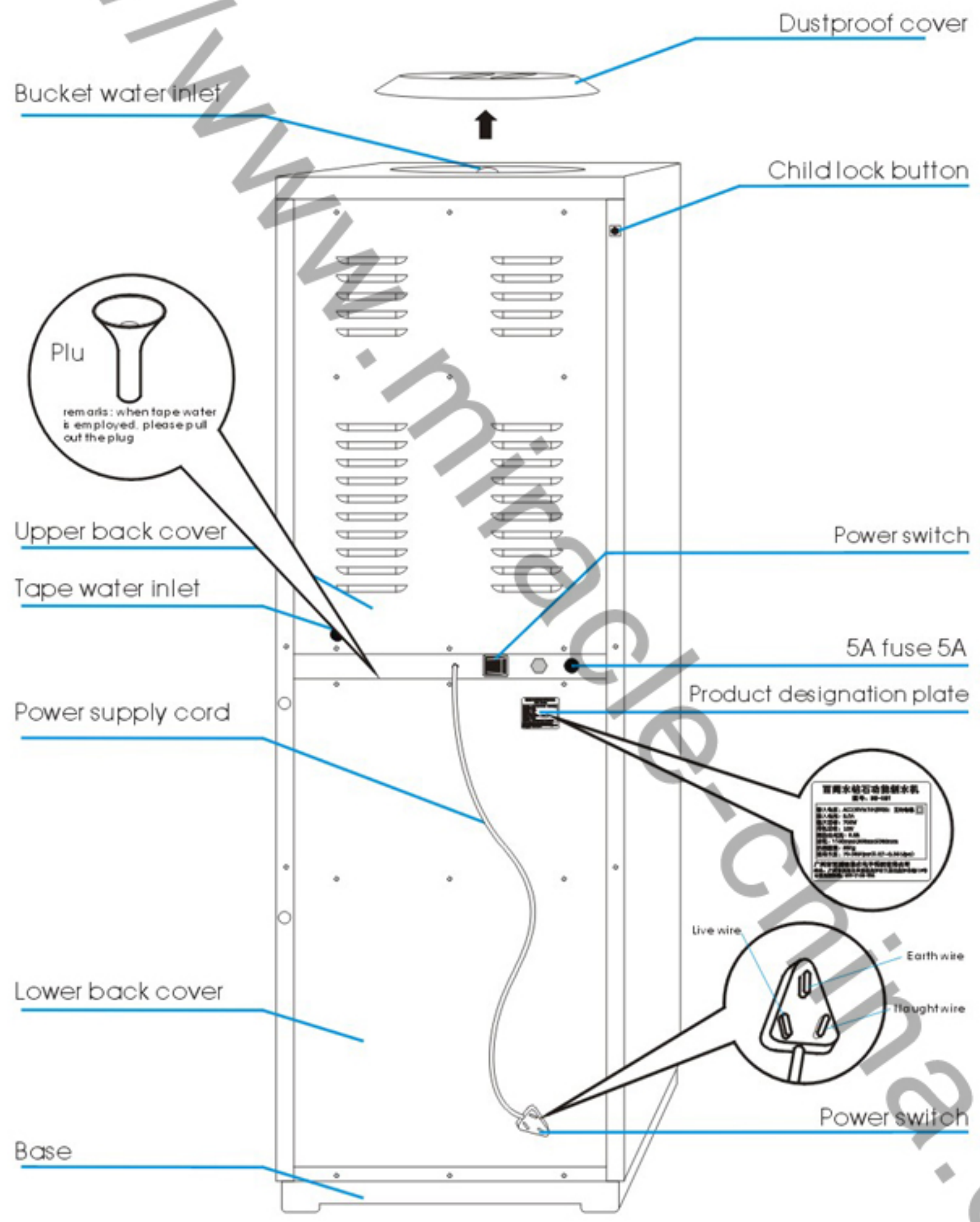
- ▶▶ **1.1 Names and functions of parts**
- 1.2 LCD**
- 1.3 Functional settings panel**
- 1.4 Water outlet settings panel**
- 1.5 Human induction devices**

1.1 Names and functions of parts

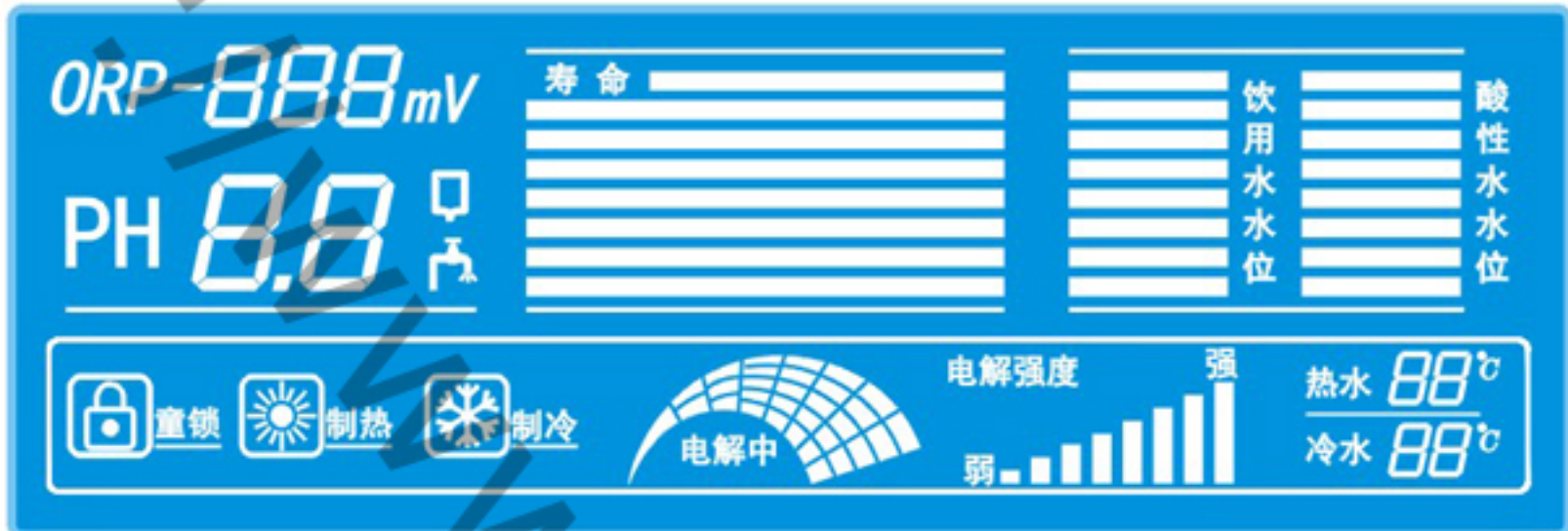
Front



Back





1.2 LCD





9 Display indicators of operating state


- * Electrolysis strength display indicator
Relevant strength bars show different electrolysis strength
- * Filter element lifespan display indicator
When only the bottom line is lit, it is time to replace the filter elements
- * Drinking water level display indicator
Show the water level of the alkaline drinking water tank
- * Acidic water level display indicator
Show the water level of the acidic water tank

	Heating Display	When heating function is selected, the heating icon will light; when it is under heating state, the icon will flicker; when it is under temperature-keeping state, the icon will keeps lighting.
-------------------------------------------------------------------------------------	------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Refrigeration Display	When refrigeration function is selected, refrigerating icon will light; When is under refrigerating state, the icon will flicker; when it is under temperature-keeping state, the icon will keep lighting; when refrigeration function is turned off, refrigerating icon will turn off.
-------------------------------------------------------------------------------------	------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Child lock Display	When child lock function is turned on, child lock icon will light; when child lock function is off, child lock indicator and this icon turn off.
-------------------------------------------------------------------------------------	---------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------

	Electrolysis Display	When water is being electrolyzed, electrolyzing and paracurve icon will light, the paracurve icons will keep light from left to right at a rate of 0.5 second and recycle; When electrolyzing process finish or does not operate, "electrolyzing" and the paracurve icon will turn off.
-------------------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Electrolysis Strength	The default strength is grade 4, by pressing the "strength" button, You can adjust the electrolysis strength, the strength will increase from 0 to 8, in gradient order and recycle; pH and ORP display indicators will show relevant electrolysis parameters at the same time.
-------------------------------------------------------------------------------------	------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

1.3 Function Settings Pane



STRENGTH

STRENGTH: strength can increase from 0~8, in gradient order and recycle, the default is 4. Your water generator will remember the last settings, each following electrolysis will take the preceding selection as the last set value; if the preceding selection was grade 3, when you start flowing through the water generator next time you use, the water generator will automatically process at grade 3; pressing and holding for 10 seconds can reset the filter element life as the default value, you need to use this function to reset the filter element life after replace the filter element.

HEATING

HEATING: Lighting icon indicates heating is allowed, flickering heating icon indicates it is heating; when icon turns off, one press will make heating become allowable, pressing again cancels heating; pressing and holding the "HEATING" button for 5 seconds will enter hot water "heating temperature" adjustment function; after entering this function, each press will increase 1 °C, adjustment range is 50°C~80°C. After setting, pressing "SETTINGS" button can save the heating temperature, the heating temperature will also be automatically saved if no operation is employed for 5 seconds.

REFRIGERATION

REFRIGERATION: Lighting icon indicates refrigeration is allowed, flickering icon indicates it is refrigerating, when icon turns off, one press will make refrigeration become allowable, pressing again cancels refrigerating; pressing and holding the "REFRIGERATION" button for 5 seconds will enter cold water "refrigerating temperature" adjustment function; after enter this function, each press will decrease 1 °C, adjustment range is 7°C~15°C. After setting, pressing the "SETTINGS" button can save the refrigeration temperature, the refrigeration temperature will also be automatically saved if no operation is employed for 5 seconds.

SETTINGS

SETTINGS: Pressing and holding the "SETTINGS" button for 5 seconds can switch the type of water supply, the default value is "bucket water"; user can switch between bucket water and tap water by pressing this button; the tap water icon and the bucket water icon on LCD can indicate the current type of water supply.

14. Water outlet settings panel



HOT WATER

The hot water temperature is between 50°C~80°C, combination with child lock function makes it safer.

NORMAL WATER

The water temperature is same as the temperature of water supply, in other words, no heating or refrigeration has been made.

COLD WATER

The water temperature is about 10 °C, detailed temperature varies with seasonal change

1.5 Human Induction device



- It is an energy-saving device that can ensure the machine get enough "rest" and extend its lifespan while does not affect convenient water taking.
- Its mechanism is the implant of the human induction device. When there is no body in the room, or no water taking for up to 1 hour, this device will enter the "standby" energy-saving state; The device will exit the "standby" state and return to normal operating state when it detects someone is walking in the room.

How to Install



- ▶▶ 2.1 Installation precautions
- 2.2 Installation procedure
- 2.3 Correct placement of the acidic water tank
- 2.4 Placement methods of the bucket water
- 2.5 Tape water connection methods
- 2.6 The switch methods of water supply

2.1 Installation precautions

1. Handle with care when in transportation.
2. This machine should be placed in dry, well ventilated, clean area, avoiding extreme temperature, dusts and exposure to direct sun light.
3. This machine must be connected to power socket which is well earthed, and the power socket cannot pass rated value of the socket or connection.
4. This multi-functional water generator uses normal bucket water or tape water as water supply. Please don't connect this machine with heater and avoid hot water above 40℃ from flowing into this machine.
5. Don't disassemble, refit or repair this machine yourself.

2.2 Installation procedures

1. Unpack the packing tape, lift and take out the carton, the foam mattresses on both sides and the top, then take out the machine.
2. Place this water generator to the area which closes to safe, well earthed power supply.
3. Position your water generator on a hard and level surface. If the machine is not positioned in a level surface, adjust the adjustable screws to make it position in horizontal level.

2.3 Correct placement of the acidic water tank

1. Open the lower door of this machine, slightly push the acidic water tank to the back wall and put the acidic water hose into the water tank.
2. Made the back side of the acidic water tank close to the machine, and adjust the acidic water tank to correct position. If the flashing indicator light of the "acidic water level" icon is lit, it indicates the acidic water tank is placed incorrectly.

2.4 Placement methods of bucket water

Open the dustproof cover, plug the outlet of the bucket water into the water inlet on the top of this machine, adjust it to even and firm position till air bubbles come out of the water. Then switch the water supply mode to bucket water.

2.5 Connection methods of tape water

Connect the PE hose exclusive for tape water to the tape water inlet on the backside of the machine, and connect it firmly and properly, then switch the water supply mode to tape water.

2.6 Switch methods of water supply

Please refer to 1.3 section "setting" button function in the "Product Introduction"

How to Use



- ▶▶ 3.1 Operation precautions
- 3.2 Safety precautions during operation
- 3.3 First time use
- 3.4 Replacement of bucket water
- 3.5 Electricity-saving state
- 3.6 Daily use operation
- 3.7 Precautions for users

3.1 Operation precautions

- * When turning on the machine, please check if the water supply mode conforms to the current water supply
- * Allow the water flow for 10 seconds for every first time use in the morning
- * Allow the water flow for 30 seconds for every first time use if the machine has been left idle for 2 days or more.
- * If the machine is left idle for a long time, detach the filter elements, turn it upside down to completely eliminate the water and pack it into poly bag; flux filter element for 30 minutes to get clean water when it is re-used.
- * This water generator use normal bucket water or tape water as water supply. Please don't connect this machine with heater and avoid hot water above 40°C from flowing into this machine.
- * Please don't plug in or unplug the power plug with wet hands, and hold the plastic section.
- * Don't place other objects, especially those containing liquid on the machine to avoid the liquid from flowing into the machine.

3.2 Safety precautions during operation

- * In case water has penetrated into the machine, unplug the power plug instantly and contact the local dealer for reparation;
- * When the machine fails to operate, please consult the local dealer, don't refit, disassemble, and repair the machine yourself;
- * If the machine is left idle for a prolonged period, all filter elements should be taken out and cleared, dried off and packed into the food-grade poly bag, then store it in well ventilated area.
- * The first time reuse after being idle for a prolonged period need to allow the water flowing for 15~30 minutes in electrolyzing state, then generate the water you needed.

This machine must not be employed under the following conditions

- ▶ High temperature, damp, dusty and exposure to direct sun light
- ▶ Thundering weather
- ▶ Failure state
- ▶ The earth connection on the power connection does not connect to the earth wire

WARNING!

3.3 First time use

After you purchase this machine, our after sale service personnel provide home visit, test and instruction services

- * Lift and take out the carton, the foam mattresses on both sides and the top and take out the water generator;
- * Place this machine to proper position, plug into the well earthed power connection. If you use bucket water as water supply, take out the dustproof cover above the water inlet, connect the bucket water; if water supply is tape water, please use the special water hose accessories, connect the tape water hose to the tape water inlet on the back side of the water generator; after connecting the water supply, please select the relevant water supply mode accordingly.
- * Press the power button on the back of the machine, LCD indicator lamps will light, the water pump will start operating (if the water supply is tape water, the water pump will not operate), soon, "electrolyzing" indicator lamp lights up, water generating icons light gradually from left to right, continuously repeat till the "drinking water" level appears as full, then water generating stops; (remarks: this process will be somehow longer in the first time use)

3.4 Replacement of bucket water

Under the operating mode of “bucket water”, after switching to new bucket water, the water generator will automatically refill water.

3.5 Electricity-saving state

1. Under the energy-saving state, all main power consumption loads shut off;

2. Under the following conditions, the machine will enter electricity-saving state;

* No water taking for 1 hour (pressing any water taking button) or setting operation (pressing any one of 4 settings buttons), and no human induction is detected for over 1 hour.

3. Under the following conditions, the electricity-saving state will automatically exit:

- * First time electrified;
- * Body movement detected;
- * Pressing any water-taking button or settings button.

3.6 Daily use operations

Water-generating Button Operations

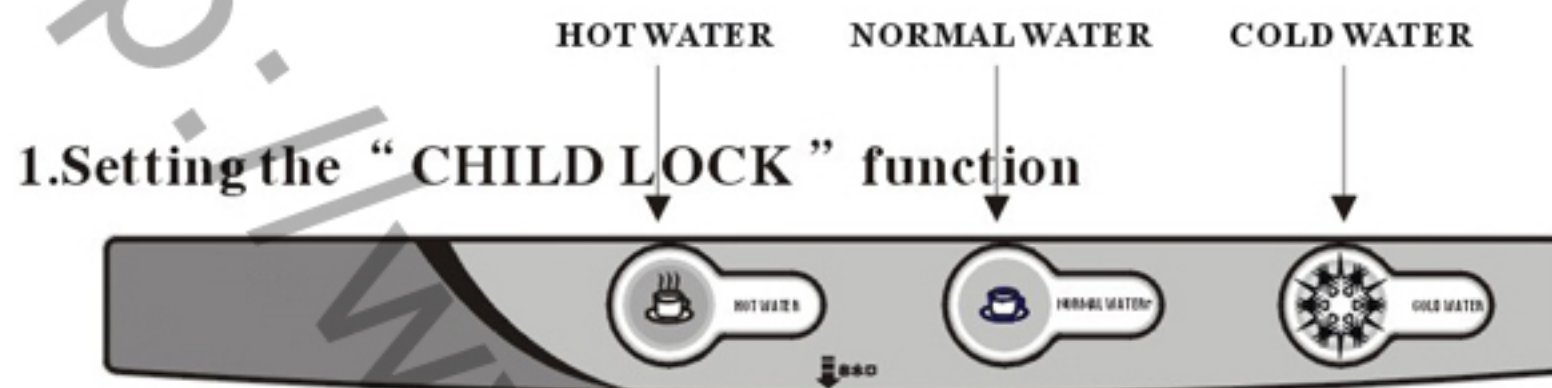


1. The first time users need to set water supply in correct mode according to the actual water supply. Please refer to the setting methods in section 1.2 “settings” button function introduction.

2. When it is the first time use, please shut off the “heating”, “refrigeration” function, then continuously take out hot water and cold water for 5 minutes to allow the hot water tank and cold water tank to fill up, thus avoid burning out due to no or low water level.

3. The “heating” icon will flicker during the heating process, the “heating” icon will keep lighting during the hot water temperature-keeping process. The “refrigeration” icon will flicker during the refrigeration process; the “refrigeration” icon will keep lighting during the cold water temperature-keeping process.

Water-taking Button Operations



1. Setting the “CHILD LOCK” function

Press and hold the “child lock” button on the back of the machine, then press the “settings” button, the “child lock” icon on the LCD will light, indicate the “child lock” function has been successfully turned on. Under the child lock state, press the “child lock” and “settings” buttons at the same time will shut off the child lock icon, indicate the child lock function has been canceled. Users are recommended to turn on this function when water temperature is between 50°C~80°C, to protect children from getting burned.

2. “HOT WATER” button

Under child lock off state, pressing this button will get hot water in the water outlet. Pressing again can stop hot water taking. Under child lock on state, you have to press the “hot water” and “setting” button at the same time to get hot water, pressing again the “hot water” button during water taking process will stop hot water taking. The heating range of this water generator is 50°C~80°C, the current hot water temperature displays on the lower right corner of the LCD, if you want to adjust the hot water temperature, please refer to the function introduction in 1.2 section “hot water” button.

3. “NORMAL WATER” button

Pressing this button will get normal water in the water outlet, loosening this button will stop normal water taking.

4. “COLD WATER” button

Pressing this button can take cold water in the water outlet. Temperature of cold water is between 7°C~15°C, the current cold temperature shows on the lower right corner of the LCD, if you need to adjust the refrigeration temperature, please refer to the function introduction in 1.3 section “cold water” button.

3.7 Precautions for users

1. When the drinking water level is below 3, the water generator will automatically shut off the “heating” and “refrigeration” function;
2. When the acidic water level reaches 8, the drinking water tank will not refill automatically;
3. When no acidic water tank exists, the drinking water tank will not refill automatically.

After sale service



- ▶▶ 4.1 Maintenance
- 4.2 After-sale service clauses
- 4.3 Product technical specifications

4.1 Maintenance

1. Avoid high temperature, damp, dusts and exposure to direct sun light;
2. Use dry, soft cloth to clean this machine, don't use organic solvents;
3. Don't disassemble and assemble this machine for maintenance;
4. Don't push over or impact this machine;
5. Plug out the power supply cord, completely eliminate the water and take out the filter elements if this machine is left idle for a prolonged period;
6. Keep the acidic water tank clean, please don't mix it with normal water for use;
7. Don't randomly take out the water level detector in the acidic water tank, otherwise, the water generator will not operate.

Replacement methods of the filter elements

1. When filter element indicator lamp on the LCD flicker, it indicates its filter element life is expired and need to be replaced;
2. Shut off the power before replacement, disassemble the old filter element and replace it with a new one. After turning on the machine, press and hold the "strength" button for 10 seconds to reset the filter element life. Then the indicator of filter element life on the LCD will become in full state.

4.2 After-sale service clauses

1. Please keep the qualified certificate, warranty card etc.
2. One year warranty (from the date of purchase), permanent repair service.
3. Under anyone of the following conditions is subjected to paid repair:
 - * Damage due to improper uses, maintenance;
 - * Damage due to disassemble and assemble the machine yourself;
 - * Tear the seal of the machine yourself;
 - * After the Warranty expiry date;
 - * The voucher or warranty card has been altered;
 - * Without warranty card or qualified certificate;
 - * Did not use the standard parts and spare materials;
 - * Filter elements etc are outside the warranty range.

4.3 Product technical specifications

Overall dimensions	1150*355*380mm
Input voltage	AC220V±10V/50Hz
LCD	Display of Electrolysis, pH, ORP, water temperature, life, water level
Electrolysis strength	Grade 0~8, adjustable
Water supply mode	Direct connection to tap water or bucket water
Applicable water in-flow pressure	70~350Kpa (0.07~0.35Mpa)
Power consumption	Maximum power consumption 700W, standby 12W

MIRACLE CO.,LTD

Address: Room B601 Hengsheng Building B , No. 205 Huanshi Zhong Road Guangzhou China /POST NO.:510010

TEL:86-20-86673107 FAX:86-20-86672750

Email: admin@miracle-china.com

Skype: miracle-china

MSN:china.miracle@hotmail.com QQ:286372662

<http://www.miracle-china.cn>

www.miracle-china.cn