



ChungHo Water Purifier 500 PLUS

User's Manual

CHP-3720S

- Read the user's manual thoroughly before using the unit.
- The rated voltage of this unit is 220-240 V~ / 50 Hz only.
- Unit appearance, specification, etc. are subject to change without prior notice if necessary for improving unit performance.
- Design and color may differ from the picture.



Greetings

We greatly appreciate your purchase of "ChungHo Water Purifier 500 PLUS". This unit is manufactured according to standard specification, and produced with a reliability test on all integrated components. The system is tested thoroughly on strict quality guidelines including temperature, moisture, shock, dust, vibration, drop, etc. We are sure that these various production processes will provide the utmost customer satisfaction in both quality and excellence.

Before installing or using the product, read this user's manual in detail and please keep it for your future reference.

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1. Product features

- 1 24 Hour Natural Water Circulation System (N.W.P.W.)**

ChungHo purification system is designed to allow water to continuously flow for 24 hours within the water purifier by adopting a natural circulation method. This mode, entitled N.W.P.W. applies the natural weight of water pressure in order to always supply clean and fresh water.
(Patent: No.105585)
- 2 Touch sensor button application**

Unlike conventional button application, it has built-in touch sensor buttons.
The easy-to-use sensor application is designed for effortless and enjoyable drinking water.
- 3 Infrared water level sensor**

Differed from existing mechanical types, it is applied an electronic water level sensor that has been developed for stable water level detection. The signal from the sensor is connected to a controller in order to automatically adjust purified water level.
- 4 Hot Water Safety Function (Hot Water Locking Function + Hot Water Automatic Selection/Release Function)**

Setting the hot water locking function using the "LOCK/HOT" touch button prevents hot water from being dispensed from the unit. As a furthered safety procedure, you will find that upon the use of hot water and the releasing of the hot water lock, the system, after a certain period of time, will automatically shut off the hot water even though the hot water dispensing button has been pressed.
- 5 Power Saving Function**

While operating hot water a light detection sensor reacts to the light density and it controls heater operation. If surroundings are getting dark, the heater automatically stops working to reduce power waste.
- 6 Constant water dispensing function**

It enables users to take ambient or cold water constantly by selecting "CONT." touch button (Hot water is not available for constant water dispensing function). This function is convenient for users to continuously take water without having to press and hold the water dispensing button.
- 7 Display of abnormal occurrence and reinforced safety function**

The safety features of the product have been enhanced in order to prevent various problems. The system will inform the user(s) of abnormal occurrences through a flashing display LED and by automatically stopping ambient, cold and hot water functions when an abnormality in the system is detected.
- 8 Automatic Water Dispensing**

This system enables users to obtain hot, cold and ambient water by lightly pushing the dispensing button.
The product is designed to be back to cold water selection, most frequent usage in water, by default function.
- 9 Operation Beep sound**

It indicates the user's selection easily with sound effects(Ding, Dingdong-etc).
- 10 Wire condenser (*Natural Convection)**

This unit has adopted a less noise and natural convection typed wire condenser.
- 11 Diagnostic testing through USB Port**

This product is equipped with a USB port in the front of the unit to connect a diagnostic testing device to obtain accurate reading of malfunction and active state of operation to troubleshoot problems.
- 12 USB Device Charge Function**

USB port can be used to charge electronic devices such as mobile phones, PDAs, MP3 players, digital cameras, and other devices that have 5V USB connections.

 - Use compatible UBS only. It may require other connection adaptors.
 - Please check with your electronic manufacturer before connecting any electronic device to USB Port.
It may cause damage to your electronic device if it is not used properly and/or connected to an electronic device that is not compatible.
 - Any charges must not be exceeded 30 minutes.

2. Safety cautions

Warning are divided into 2 categories: **'Danger'** and **'Caution.'**



Danger

Associated with the possibility for serious injury or death.

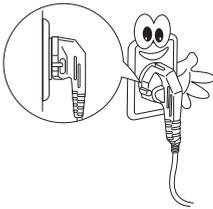
- When the power cord has been damaged, exchange the power cord in order to prevent danger such as electric shock, etc.

(Do not use damaged or loose wall outlets.
An electric shock or fire may occur.)



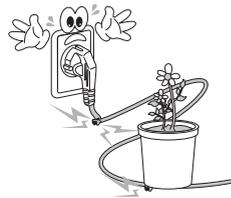
- Do not use several appliances on same multiple outlet.

(This can cause a fire due to overheating.)



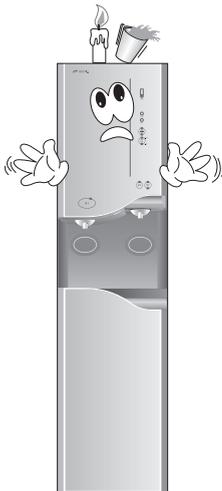
- Insert the power plug in a stable position properly in order to avoid swinging.

(Unstable connection may cause a fire.)



- Do not bend the power cord excessively or put heavy objects over the power cord.

(An electric shock or fire may occur.)



- Do not put candles, lit cigarettes, etc. on the product.

- Do not install the product near a heating appliance.

(There is a danger of fire.)

- Do not put a bowl containing water, chemicals, small metals, etc. on the product.

(If these materials drop into the inside of the product, this may cause an electric shock or fire.)



- If the product is damaged or malfunctioning, do not disassemble, repair, or remodel it on your own.



- Keep USB port away from something sharp such as pin, metal stick.

(An electric shock or malfunction may occur.)

2. Safety cautions



Danger

Associated with injury, property damage, and reduced product performance.



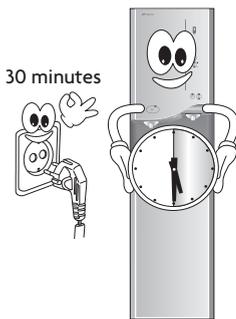
- Do not operate the product at over 15° incline.
(This can cause a malfunction and trouble)
- Do not tilt the product over 45° during transportation.
(Severe inclination can cause a reduced performance.)
- Do not install the product in a sloped or unstable position.
(This can cause a reduced performance, system damaging or overall troubles.)



- To avoid burns from hot water, use containers such as a cup during hot water dispensing.



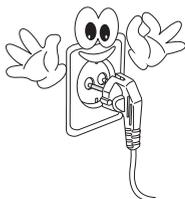
- Do not touch the power plug with wet hands.
(An electric shock or fire may occur.)



- After transporting the product, do not supply the power for at least 30 minutes to stabilize the product.



- Do not install the product in a place where the temperature may drop below 32°F.(0°C)



- Refer to the rated voltage on the front page.



- Unplug the power cord by holding the power plug and slowly pulling it out.
(Damage to the power cord can cause an electric shock.)

2. Safety cautions



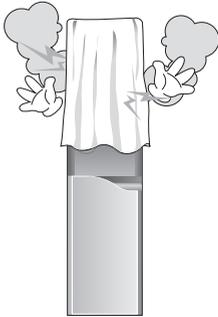
- If there is dust, water or etc on the power plug, wipe it off well.

(There is a danger of an electric shock or fire.)



- Do not install the product in or around largely damp areas, at a place near flammable materials, or at a place exposed to rain or snow.

(There is a danger of an electric shock or fire.)



- Do not put any covering on the rear and side of the product. Blocking ventilation holes may raise inside temperatures and cause system malfunction or even system stoppage.

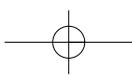
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- The instructions for appliances connected to the water mains by detachable hose-sets shall state that the new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

- Replacement of supply cord is intended to be made by the manufacturer or service agent.
- Children should be supervised to ensure that they do not play with the appliance.

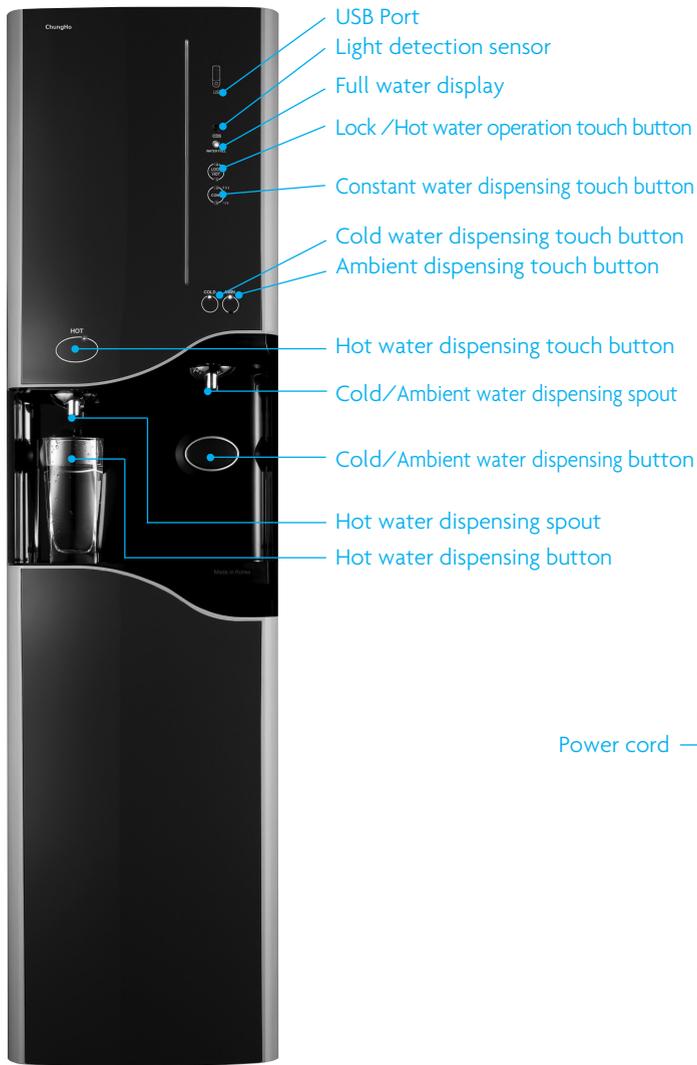
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

- Keep tubes fixed properly so as not to splash around area with water from brine and drain tube.

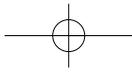
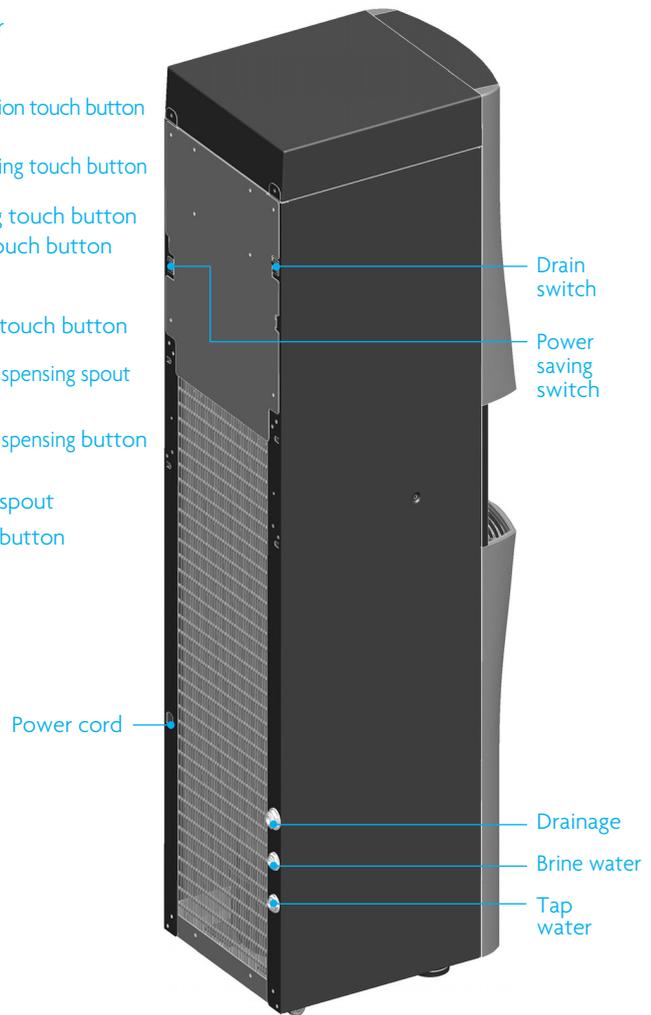


3. Name of each part

3-1. Front side



3-2. Back side



4. Installation cautions

• Service engineer installs the product. You should check if the product is properly installed.

- 1 Do not install the product at the following places.
- Near fire or heater
 - Near flammable material
 - Wet place
 - A place exposed to rain and snow
 - A place exposed to direct sunlight
 - Near chemicals(volatile material, organic solvent, etc.)
 - A place below 32°F(0°C) or a place with the possibility of dropping below 32°F(0°C).
 - A place above 104°F(40°C) or a place with the possibility of climbing above 104°F(40°C).



- 2 Use the product at the following conditions.
- Water pressure : 0.5-7kgf/cm² (50-686 kPa)
 - Water temperature : 39-100°F (4-38°C)
 - pH : 5.8-8.5
 - Water hardness : 300 ppm or less
 - Evaporation residue : 500 ppm or less
 - Water quality : Biologically safe

※ When using the water out of range discuss it with the company. If not, the product can be excluded from the stated warranty.

- 3 When transporting the product, do not tilt it over 45°
- ※ Severe tilting can cause a reduced performance.



- 4 Install the product at a place where the surface is flat, and after installation, always adjust the level of the product using a level gauge.
- ※ Tilting (more than 3°) can cause an overflow.

- 5 Do not connect hot water(over 100°F (38°C)) to the product.
- ※ This can cause a reduced performance or trouble.

- 6 Keep the product approximately 8" (20cm) away from the wall so that ventilation is well performed for safe operation.

- 7 Do not place any electric heater near the rear of the product.
- ※ This can cause a reduced performance.

- 8 When connecting tube, ensure that the tube is not bent or pressed down by heavy objects, etc.
- ※ If tube is bent or pressed, water does not flow well and can cause problems.

- 9 Adjust the tubes so that brine water and drain water may not splash around area.
- ※ Brine water or drain water can easily be used for other purposes, such as bathroom cleaning, house cleaning, laundering, washing, etc. Never use for drinking or cooking.

- 10 A bad wall outlet or plug may cause an electric shock or fire.

- 11 When installing more than one product(water purifier, shower softener, etc.), drain tubes need to be independent for one another.

4. Installation cautions

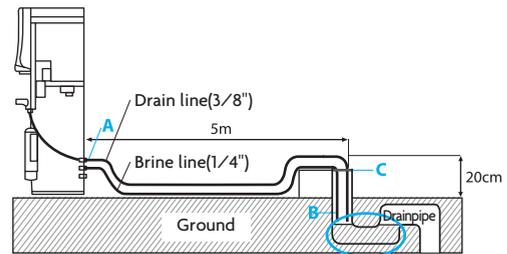


Caution

Notice of Drain tube installation

- Follow the instruction for proper drainage of product.
- ※ Manufacturer is not responsible for any damage or reduced performance from wrong installation.

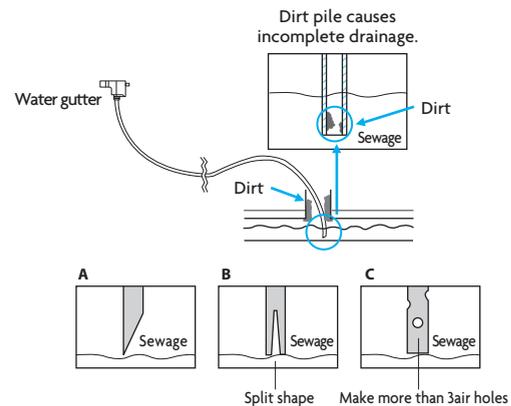
If you put the end of drain tube into remaining water in the U-Trap pipe(D) deeply or in case the hole(C) of drainpipe is sealed, it can hinder water flow. It increases the hydrostatic pressure and this causes water overflowing up to the water gutter.



< Pic 1. Drawing of drain tube installation >

• Instruction of installation

- (1) Use bigger than a size of 3/8" drain tube (O.D.: outer diameter) without connector (ex. Fitting) from A to B. (Refer to the Pic 1.)
 - Avoid using 1/4" drain tube (O.D.) with a reducer (3/8" → 1/4"). You should follow this instruction to prevent the water leakage or overflow from incomplete drainage.
- (2) In case of U-Trap pipe type, change the shape of end of drain tube same as the picture on the right. (Refer to the Pic 2. A, B, C)
 - It prevents the drain tube (3/8") from being clogged with dirt. And it helps drainage well with proper air flow.
- (3) Do not put the end of drain tube into the water. (Refer to the Pic 2)



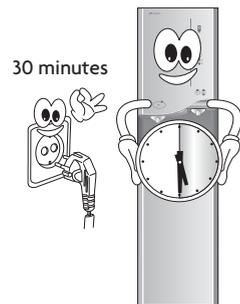
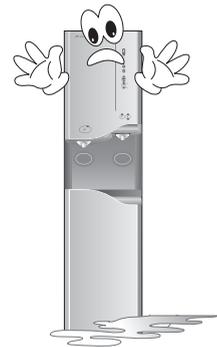
< Pic 2. The shape of end of drain tube (3/8") >

- (4) The highest point of installed drain tube must be less than 8"(20cm) away from the flat floor. (Refer to the Pic 1)
- (5) Total length of drain tube must be less than 197"(5m). In case of longer than the stated length of drain tube, drain pump is necessary to install.
- (6) Black insulation tape is recommended to tie up 3/8" drain tube rather than cable tie. (Tight tying with cable tie can interrupt the drainage.)
- (7) After installation the product, pour the water (about 1ℓ) into the water gutter to remove air inside. And check out water draining properly from the water gutter. If the water is not drained well, reinstallation of drain tube is needed.

5. Installation method

• Service engineer installs the product. You should check if the product is properly installed.

- 1 Install horizontally.
- 2 Shut off water supply valve and separate the connector part of tap water in order to connect an adapter(source water valve). Then, connect the adapter(source water valve).
※ If a sealing rubber(packaging) is missing or the thread of a screw is damaged, it may occur water leakage.
- 3 Connect the adapter(source water valve) and a water inlet on the rear of the product with a tubing.
- 4 Connect tube to drain and brine on the back of the product. And then, connect-tubes to drain hole such as sink, toilet etc.
※ Install the brine water and drain water line separately. If drainage does not function properly due to improper installation, it can cause water overflowing up to the water gutter.
- 5 Fix the tubes not to splash around areas with water.
※ Brine water or drain water can easily be used for other purposes, such as bathroom cleaning, house cleaning, laundering, washing, etc.
- 6 After the installation, put O-rings (2EA / included in user's manual) under each of the wheels to prevent rolling over to the other side.
- 7 Turn on water supply valve connected to the house and position the adapter(source water valve) "OPEN".
- 8 Check every connection part for leaks.
- 9 Do not plug in the power for 30 minutes in order to stabilize the cooling system and safe use of product.
- 10 Check if water is supplied into the product properly and there are any leakages on every connection.
- 11 After 2 hours has passed from supplying the power, check if water is coming out by pressing the water dispensing button.



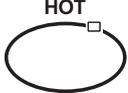
6. Usage

6-1. Display and function setting



 USB	USB port	USB connection can be used to connect diagnostic testing device or to charge USB compatible electronic devices. (Note : Do not charge more than 30 minutes.)
 CDS	Light Detection sensor	This function is automatically set to turn on/off the hot water system in accordance to the brightness around the product.
 WATER FULL	WATER FULL	Lights up when ambient water tank is full. (Yellow green)
	LOCK/HOT	Setting/releasing the hot water lock or hot water operation.
	HOT Water Lock LED	Lights up when setting the hot water locking function. (Red)
	HOT water operation LED	Lights up when setting hot water operation. (Red)
	Constant water dispensing	Setting/releasing the constant water dispensing.
	Constant water LED	Lights up the selected water quantity (0.5liter, 1.0liter) when setting the constant water dispensing .
		

6-2. Operation and water dispensing selection

	Hot water dispensing	Used to dispense hot water.
	Hot water LED	Displays that hot water dispense is set. (Red)
	Cold water dispensing	Used to dispense cold water.
	Cold water LED	Displays that cold water dispense is set (Blue)
	Ambient water dispensing	Used to dispense ambient water.
	Ambient water LED	Displays that ambient water dispense is set. (Yellow green)
	Water dispensing button	Used to dispense water after selecting the desired water temperature among ambient water, cold water, and hot water.

6. Usage

6-3. Operation beep sound

※ A beep sound following operation of the 500 PLUS

	Division	BEEP	Remarks /occurrence
1	Power ON	Ding dong dang-	once
2	Touch Button	Ding-	once
3	Lock or power saving function setting ON	Ding-ding-ding-	once
4	Water Dispensing Start	Ding-	once
5	Water Dispensing Ending	Dong-	once
6	CONT. Water Dispensing Start	Ding dong-	once
7	CONT. Water Dispensing Ending	Ding dong-Ding dong-	once
8	Drain/Water level Sensor Error	Ding-ding-ding-ding-	One second interval
9	Beep sound Setting/Releasing	Ding-ding-ding-ding-ding-	once

6-4. Function setting and releasing method

(1) Lock(Hot water selection) function setting

- ① Touch "LOCK/HOT" touch button softly for over 3 seconds. (While 'LOCK' is being released.)
 - ② "LOCK" LED (Red) is turned on and the lock function is set. (setting sound : Ding-ding-ding-)
 - ③ After "LOCK" is set, it does not work even though, hot water selection button is touched.
- ※ "LOCK" is designed to avoid any accidental burns or spout of ice cube due to carelessness.

(2) Lock(hot water selection) function releasing

- ① Touch "LOCK/HOT" touch sensor softly for over 3 seconds.
- ② "LOCK" LED (Red) is turned off and the lock function is released. (releasing sound : Ding-ding-ding-)
- ③ After "LOCK" is released, it is available to use hot water selection button.

(3) Hot water operation setting

- ① Touch "LOCK/HOT" touch button softly for over 10 seconds. (While 'Hot water operation' is being released.)
- ② " LOCK/HOT" LED (Red) is turned on and the hot water operation is set. (setting sound : Ding-ding-ding-)

(4) Hot water operation releasing

- ① Touch "LOCK/HOT" touch button softly for over 10 seconds. (While 'Hot water operation' is being set.)
 - ② " LOCK/HOT" LED (Red) is turned off and the hot water operation is released. (setting sound : Ding-ding-ding-)
- ※ While setting/releasing "LOCK/HOT"(Hot water operation) , status of "LOCK" is changed. Reset "LOCK".



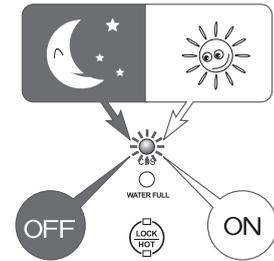
6. Usage

(5) Power saving function setting

If the power saving function switch at the rear side of product is turned on, power saving function is setting with Ding-Ding-Ding beep sound.

※ Power saving function is automatically set to turn on/off the hot water system through operation of CDS (Light Detection Sensor) in accordance to the brightness around the product while hot water function is set.

If the around of product is getting dark after turning off the light or closing the office, restaurant, home, this function makes automatically power saving with turning off a hot water system.



(6) Power saving function releasing

If the power saving function switch at the rear side of product is turned off, power saving function is released with Ding-Ding-Ding beep sound.

※ Cautions for use of power saving function

If power saving function is selected, the hot water system is automatically turned on/off according to brightness around the product, so hot water can not be immediately used after it becomes bright again around the product. Therefore, do not use the power saving function in order to use hot water all the time.

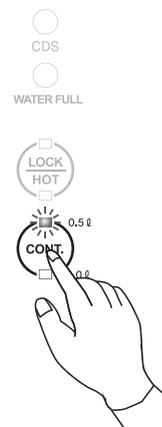
(7) Constant water dispensing function setting

① This function is for dispensing Cold and Ambient water continuously. Touch the "CONT." button for 2 seconds, then the LED(Red) is turned on and select the the quantity of water (0.5ℓ or 1.0 ℓ).

② Touch the "COLD" or "AMBI" button and press the water dispensing button. Then the constant water dispensing function is set with the beep sound "Ding-Dong". (while constant water dispensing, the LED of selected water is blinking)

※ This mode is automatically released after 10 seconds if you do not take water.

※ Hot water is not available and it may be different between the quantity of real dispensing water and selected quantity of water.



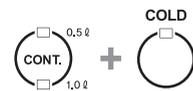
(8) Constant Water dispensing function releasing

While dispensing Ambient or Cold water continuously, the function is released by touching either "COLD" (cold water selection) or "AMBI" (ambient water selection) with the beep sound "Ding-Dong" "Ding-Dong". (As constant water dispensing function is released, the LED is turned off)

(9) Beep sound off

① Press the "CONT." and "COLD"(cold water selection) touch buttons at the same time over 3 seconds. Then the beep sound is off.

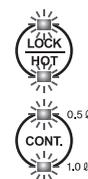
② When it is released, the LED of "LOCK/HOT" and "CONT." is blinking 5 times by one second interval with the beep sound "Ding-Ding-Ding-Ding-Ding".



(10) Beep sound on

① Press the "CONT." and "COLD"(cold water selection) buttons at the same time over 3 seconds. Then the beep sound is on.

② When it is reset, the LED of "LOCK/HOT" and "CONT." is blinking 5 times by one second interval with the beep sound "Ding-Ding-Ding-Ding-Ding".



6. Usage

6-5. Water dispensing method

(1) Hot water dispensing mode

If "HOT"(hot water selection) touch button is selected and the water dispensing button is pressed, hot water is served.

※ Please be careful to avoid burns and use cups during hot water dispensing.

※ If hot water operation LED is turned off, hot water is not dispensed, because the heater does not work.

(2) Cold water dispensing mode

If "COLD"(cold water selection) touch button is selected and water dispensing button is pressed, cold water is served.

※ At initial stage of power on, cold water is only available when "WATER FULL" LED lights up.

(3) Ambient water dispensing mode

If "AMBI"(ambient water selection) touch button is selected and water dispensing button is pressed, ambient water is served.

※ If hot water or ambient water is selected and it is not used for a given time period(Ambient : 10 seconds, Hot water 5 seconds) the system will automatically switch into cold water dispensing mode. (Default function)

※ There is not a separate setting and release method for the use of ambient water and cold water. They operate automatically as designated by the program when the power is supplied.



6-6. ACS smart cleaning function

Empty the inside of the cold water tank automatically at the time of low frequency every day. It is a smart pollution prevention function that replenishes the water.

- It operates same time every day, as it is set the standard time which is 12 hours later after connection of power. e.g.) When the power is connected at 2 P.M, it is operated at 2 A.M every 4 days. If users want to change the operation time, turn off the power at desired time and turn on.

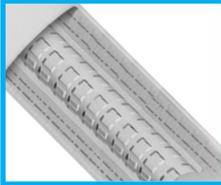
- ① "LOCK/HOT/CONT." LED blinks around 5 minutes and users cannot use the unit at this time.
- ② Use the unit when the ACS operation is finished and cold/ambient water tanks are filled again. (Around 20 minutes until water full.)

7. Safety in use

- 1 Refer to the voltage on the front page. Connect to the proper power source.
- 2 Be careful of the burn from unexpected hot water(over 176°F (80°C)) flow. Use a container like cups.
- 3 Do not use several appliances on same multiple outlet.
- 4 Never move the product while in operation. (This can cause a malfunction)
- 5 Do not touch the wire condenser on the rear side of product. It is hot while the product is in operation.
- 6 Avoid the use of chemicals(volatile material, organic solvent, etc.) around the product and do not place chemicals near the product.
- 7 Do not put away foreign substance into the water gutter.
(It can cause a reduced performance and malfunction of the product if it is clogged.)
- 8 Water storage tank can be contaminated with microbe from outside. Cleaning is recommended once a month. Cleaning procedure is as below.
(Open drain valve → Drain water completely → Open the lid of storage tank → Brush up with soft cloth)
- 9 After cleaning, assemble the parts in a reverse way.
- 10 Plug out the power prior to cleaning inside and do not apply the water to the product directly.
(An electric shock and fire may occur.)
- 11 The brine water can be used for other purposes. (e.g. cleaning the house, washing clothes, etc.)
(Do not use the brine water for drinking or cooking.)
- 12 If the product does not respond to the touch buttons, check if the lock function is set, and if the problem still occurs, broaden the contact area of which the touch sensor button is pressed.
- 13 The time required for the water to reach a set temperature may vary depending on the ambient temperature.
- 14 In case the product is not used for long period time(e.g. holidays, vacations, out of down. etc.), shut off the adapter(source water valve) and pull out the power plug.
- 15 If an abnormal sound, smell, or smoke appears from the product, then plug out the power immediately, shut off tap water adapter(source water valve) valve and call for A/S.
(An electric shock and fire may occur.)

8. Filters

8-1. Filter Functions



Sediment filter

It removes particles and pollutants that are over 5 μm from the water. It helps to extend the life of the membrane filter.



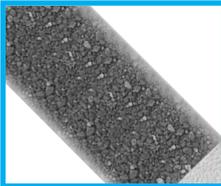
Pre-carbon filter

It is made from high temperature processed carbon. It absorbs and eliminates dissolved pollutants (such as chlorine, THMs and organic chemical contaminants), so it protects the membrane filter and helps it function properly.



Membrane filter

It removes dissolved pollutants (a molecular weight over 200, such as heavy metals, bacteria and organic chemical contaminants) through RO filtration using a semi-permeable membrane (0.0001 μm pore size, 1/1,000,000 of hair) and the dissolved pollutants are discharged through drainage tubing.



Post-carbon filter

It removes dissolved gases and odors to improve water taste.

8-2. Filter service life

Filter	Service life
Sediment filter	About 6 months
Pre-carbon filter	12 months
Membrane filter	24 months
Post-carbon filter	6 months

※ Filter service life is varied depending on environment such as location, water conditions (quality, temperature), amount of water used and seasons (summer, winter).

※ You can take clean water by replacing filters according to the recommended filter service life.

9. Specification

Product name		ChungHo Water Purifier 500 PLUS	Weather class	N class(90°F ±1°F) (32°C ±1°C)
Model name		CHP-3720S	Compressor	Reciprocating type
Power consumption	Max	660 W	Heat radiation type	Wire condenser type
	Hot water	550 W	Cold water temp. regulation	Thermistor
	Cold water	0.72 A	Hot water temp. regulation	Bimetal(Automatic)
Product weight		30.4 kg	Overheating prevention	Bimetal(Manual)
Reservoir capacity	Hot water	0.39 Gal. (1.5 ℓ)	Safety system	Overheating prevention, Water level detecting
	Cold water	0.79 Gal. (3.0 ℓ)		
	Ambient water	1.85 Gal. (7.0 ℓ)	Power cord	1.4 m
Dimension		295Wx384Dx1170H(mm)	Place of installation	Indoor, House, Office, Store, etc
IP class		IPX1		

- ※ "N class" indicates temperate climate.
- ※ Product specification is subject to change for improving performance.
- ※ "IP class" stands for "International Protection" against water.

10. Troubleshooting

※ In order to make hot, cold and ambient water tank fully filled, it takes approximately 15 mins, 40 mins and 90 mins respectively. (Water temperature: 77°F(25°C))

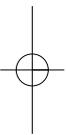
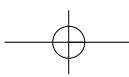
※ Ambient water takes about 20 mins to be hot water and about 60 mins to be cold water.

Symptoms	Checking items	No	Yes
When the display is not turned on and not operated	Is the power plug inserted properly?	Insert the power plug into wall outlet properly.	Request A/S when you still have problem as the power plug is inserted properly.
When warning alarm keeps beeping or When more than one LEDs are flickering	Drain switch (on the rear side) is on?	Request A/S.	Set the drain switch off.
When hot water is not dispensed even though the "HOT" touch button has been selected	Is the "LOCK/HOT" (hot water lock) function set?	Request A/S.	Release "LOCK/HOT" function by pressing the button over 3 seconds.
When ambient water is not served	Is tap water being supplied?	Wait until the tap water works as keeping the power unplugged.	If ambient is not served after enough time for filling the tank, then request A/S.
When cold water is not cold enough (When dispensing cold water)	Have you taken cold water more than 1.5 ℓ at a time?	Check below	It takes about 1 hour to reproduce cold water. Wait until cold water is made.
	Is it over 2 hours since the product has been operated?	Cold water is being produced.	Request A/S.
When hot water is not hot enough (When dispensing hot water)	Is "HOT" (hot water selection) LED off?	Check below	Set hot water operation on by touching "LOCK/HOT" button.
	Is the "Power Saving Switch" on in a dark?	Check below	Turn off the "Power Saving Switch".
	Have you taken hot water more than 1ℓ at a time?	Check below	It takes about 20 mins to reproduce hot water. Wait until hot water is made.
	Is it less than 2 hours since the product has been operated?	Request A/S.	It takes around 2 hours to make hot water after it is turned on.

10. Troubleshooting

Symptoms	Checking items	No	Yes
When the water from the water gutter is not well drained	Open the water gutter cover and then check if there are any foreign materials in the drain hole.	Request A/S.	Remove foreign materials from water gutter holes.
	Is the drainage line on the rear side of product, bent or blocked by heavy objects?		Install drainage line properly.
	If the drain line is over 0.65 ft(20cm) long or placed over 16.4 ft(5m) above installation surface?		Install separate drainage pump by requesting A/S.

※ If you still have problems even though you check the all symptoms, please call A/S.



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