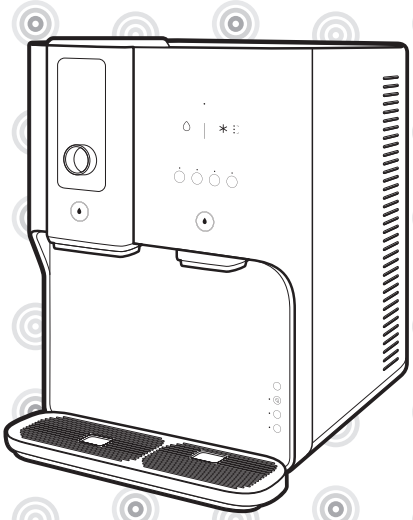
COWAY LOVES THE PLANET
This paper can be recycled.

coway

Water Filtration Device CHP-7310R

- This product can not be used if the voltage is different from that mentioned in the rating plate.
- For your safety and proper use of the product, please read this User's Manual before use.

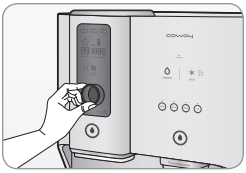


FEATURES

1

Hot water temperature control capability

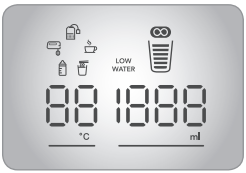
You can select the temperature for hot water through the multi-level hot water temperature dial according to purpose of use.



2

Precise extraction capability

You can extract the precise amount of water according to purpose of use through the cold/hot/ambient water precision extraction function.



3

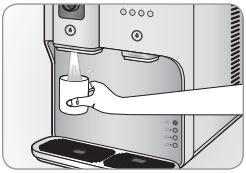
Hygiene improvement for water purifier through utilization of UV LED technology

UV LED is activated when extracting cold/ambient water to improve hygiene within faucet.

4

Application of high capacity tank

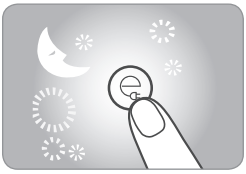
You can extract even more water with the larger high capacity tank.



5

Power saving mode through light detecting sensor

You can save power with the power saving mode configuration to automatically reduce the operation of LED indicators and heater throughout the night.



DEAR CUSTOMERS

Thank you for using **Coway water filtration device.**
Please read this User Manual to learn about proper usage and maintenance of the product.
When a problem occurs while using the product, it can be solved by referring to the instructions in this manual.

CONTENTS

- Please keep the user manual in easily accessible areas. -

SAFETY INFORMATION

Please follow all instructions for your safety!

These instructions are for keeping you safe and to prevent property damage.
Please use the product correctly after reading the precaution.

Danger When mortality or fatal injury is predicted for not following instruction

Warning When severe bodily harm or property damage is predicted for not following instruction

Caution When minor bodily harm or property damage is predicted for not following instruction

Regarding Power Supply

⚠ Do not use damaged power plug or loose fitting outlet.

There is risk of electrocution and fire.

⚠ Do not pull on the power cord.

There is risk of electrocution and fire.

⚠ Do not pull on the power cord to move the product.

There is risk of electrocution and fire.

⚠ Do not touch the power plug with wet hand.

There is risk of electrocution and fire.

⚠ Do not bend the power cord excessively or press it with a heavy object.

There is risk of electrocution and fire.

⚠ Do not plug and unplug the power plug repetitively.

There is risk of electrocution and fire.

⚠ When the power supply comes in contact with water, unplug the power plug and completely dry it prior to use.

There is risk of electrocution and fire.

⚠ You must disconnect the power plug for product repair, inspection, or component replacement.

There is risk of electrocution and fire.

⚠ **Please disconnect power, wipe clean, and dry prior to use when there is dust, water, etc. present on the pin and connector of the power plug.**
There is risk of electrocution and fire.

⚠ **Do not connect multiple products to one power outlet. Always use a separate socket for the product.**
There is risk of fire.

⚠ **Lock the tap water valve and disconnect power when not using the product for an extended period of time.**
There is risk of electrocution and fire.

⚠ **Do not modify the power cord arbitrarily.**
There is risk of electrocution and fire.

⚠ **Do not arbitrarily replace the damaged power cord and contact the service center to replace the power cord.**
There is risk of electrocution and fire.

Regarding Installation

⚠ **Do not install near electric heating device.**
There is risk of fire.

⚠ **Do not install it in a location with too much humidity or dust or in a location that is exposed to water or rain.**
There is risk of electrocution and fire.

⚠ **Do not store or use flammable gases or materials near the product.**
There is risk of electrocution and fire.

⚠ **Do not install it on a tilted surface.**
There is risk of bodily harm and product damage.

⚠ **Install it in a location that is at least 2m away from electronic appliances such as an induction range and an electronic pressurized rice cooker. Otherwise, electromagnetic interference may occur.**

SAFETY INFORMATION

Danger When mortality or fatal injury is predicted for not following instruction

Warning When severe bodily harm or property damage is predicted for not following instruction

Caution When minor bodily harm or property damage is predicted for not following instruction

During Use

⚠ Please lock the tap water valve and disconnect the power plug and contact the service center if there is water leak from inside the product or if water is puddling around the product.

There is risk of electrocution.

⚠ Immediately disconnect the power plug and contact the service center if there is any burning smell or smoke or strange noise from the product.

There is risk of electrocution and fire.

⚠ Do not place candles or cigarettes on top of the product.

There is risk of fire.

⚠ Do not place bowl filled with water, chemicals, food, small metals, or flammable substances on top of the product.

There is risk of electrocution, fire, and product damage if product is exposed to them.

⚠ Please be careful not to come in direct contact with hot water and warm water as they are hot.

There is risk of burns.

⚠ Use after completely closing the water tank cover inside the product.

Bugs and debris may enter the product.

⚠ Please replace the filter according to the filter replacement cycle to drink clean water.

Using expired filter decreases water purification performance.

⚠ Completely drain the stored water as well as newly filtered water one more time prior to use when using the product after an extended period of time.

The stored water may be contaminated.

Others

⚠ Disconnect the power plug prior to cleaning.
There is risk of electrocution and fire.

⚠ Do not directly spray water on product for cleaning or use benzene or thinner to wipe the product.
There is risk of electrocution and fire.

⚠ Do not arbitrarily open, repair, or remodel the product.
There is risk of electrocution and product damage.

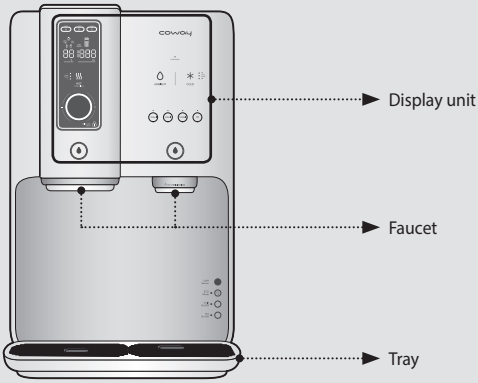
⚠ Do not use the filtered water for replacing water in fish tanks and aquariums.
Water filtered through membrane does not contain ion substances which may be inappropriate for living environment of fish. There is risk of fish mortality depending on the circumstances.

⚠ There may be residual fine black powder at the bottom of the internal water tank after moving the product or replacing the Plus Inno-sense filter.
This is fine powder from the activated carbon used in the Plus Inno-sense filter for better taste in filtered water which is harmless to human body.

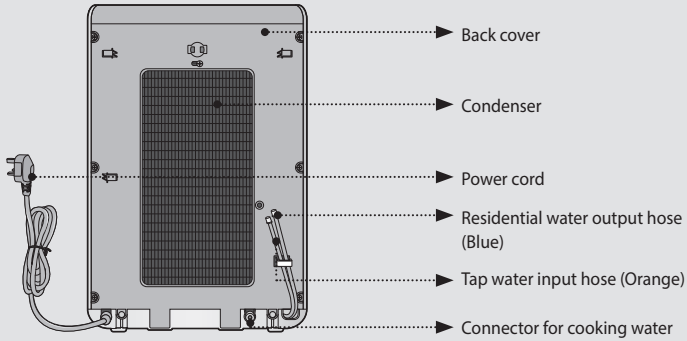
⚠ Do not rotate or lift the product by grabbing on to the filtered water extraction valve.
This causes water leak and product damage.

PARTS NAME

Front



Back



Accessory

User Manual | Drain hose | Antibacterial filter

WATER FILTRATION PROCESS

The essence of the water filtration system lies in the filters.
Using a filter that is not certified or even using a certified filter for too long may reduce the filter performance.

5-step Water Filtration System (CHP-7310R)

Step 1, 2 : Neo-Sense filter

This neo-sense filter has the function of removing particulates, dissolved organic and inorganic impurities. It also has another function to remove chlorine, volatile organic compounds(VOC's).

Step 3 : Membrane filter (RO)

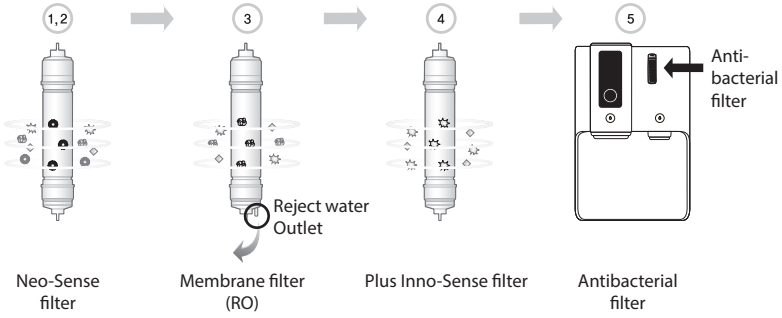
RO Membrane filter has a function to remove water contaminants such as heavy metals, waterborne microorganisms and harmful organic chemicals etc.
This water which contains harmful material is eliminated through the reject water hose as disposed water.

Step 4 : Plus Inno-Sense filter

This Plus Inno-Sense filter has functions to remove smell inducing material and to improve taste of water.

Step 5 : Antibacterial filter

This Antibacterial filter has function to control microorganism propagation in water.



Tips

► **Uses of the disposed water**

- The disposed water should be used only for cleaning house, cloths, or purposes other than drinking.
- Never use the disposed water for drinking or for cooking.

PLEASE CHECK BEFORE USE

Please Check Before Use!

⚠ This product is for 220V - 240 V~, 50 Hz .

Please connect the power plug to grounded 220 V - 240 V~, 50 Hz outlet.
The water filtration device requires power supply to operate.

■ Open the tap water valve.

Tap water must be supplied for operation.

■ When indicator is turned off on display unit

Please check for power failure or power stoppage for other various reasons when indicators of the display unit are turned off.

■ When using after extended period of time

Completely drain the stored water as well as newly filtered water one more time prior to use when using the product after an extended period of time.

■ After installing product

Fill up the tank and drain it completely twice or more before use.

■ Regular filter replacement

Regular filter replacement is crucial for drinking clean water. Using expired filter decreases water filtration device performance so please replace the filter on time.

■ Hot water dispensing instructions

Loosen the two screws by the door on the side to open the door and open the red cap, connect the dispensing hose (Continued extraction hose) to dispense the hot water inside the water tank. (Please be careful to not get burned when dispensing hot or warm water.)

■ Instructions for dispensing filtered water during power failure

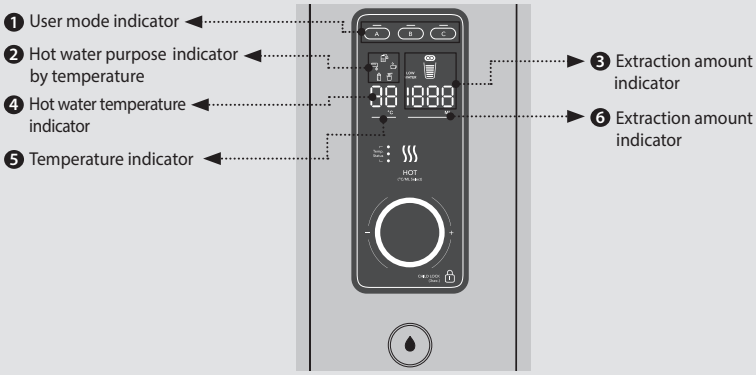
Open the blue cap and connect the dispensing hose(Continued extraction hose) to dispense some of the filtered water. Use during power failure and do not use to dispense hot water.

Tips

- Lock the tap water valve and disconnect power when not using the product for an extended period of time.

BUTTONS AND INDICATORS

Hot Water Indication Part



❶ User mode indicator

It activates the selected user indicator during user mode.

❷ Hot water purpose indicator by temperature

It activates of purpose indicator by appropriate temperature.

* It turns on ideal hot water temperature as an icon (Baby milk, baking, tea, coffee, ramen) by temperature.

❸ Extraction amount indicator

Hot water extraction amount is displayed with image and number.

* 7 Stages(250 ml → 350 ml → 500 ml → 750 ml → 1 000 ml → 1 500 ml → continuous extraction(CON)) Displays temperature of hot water.

❹ Hot water temperature indicator

Indicator turns on by temperature of hot water.

* 6 Levels of hot water temperature are displayed in total. (40 ° → 50 ° → 60 ° → 70 ° → 80 ° → 90 °)

❺ Temperature indicator

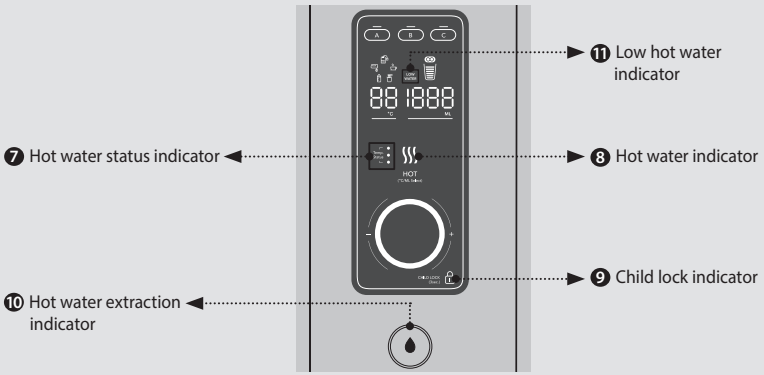
Indicator turns on once hot water is selected.

❻ Extraction amount indicator

Indicator turns on once extraction amount of hot water is selected.

BUTTONS AND INDICATORS

Hot Water Indication Part



⓹ Hot water status indicator

Indicator turns on according to temperature of hot water.

* More lights on display indicates hotter temperature.

⓼ Hot water indicator

Indicator turns on once hot water is selected.

⓽ Child lock indicator

Indicator turns on once child lock function is selected.

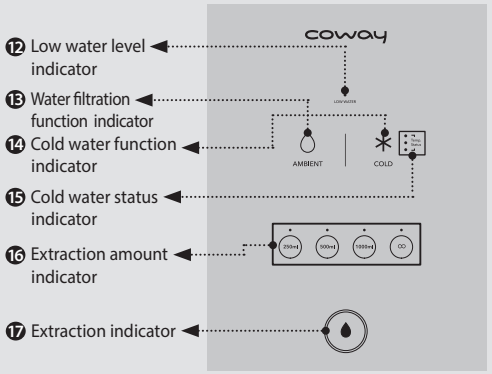
⓾ Hot water extraction indicator

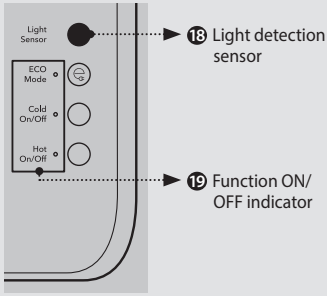
Indicator turns on once hot water is extracted.

⓫ Low hot water indicator

Indicator is turned on when the water level of the hot water tank is below low level.

Indication Part





⑫ Low water level indicator

Indicator is turned on when the water level of the internal tank is below low water level.

⑬ Water filtration function indicator

Indicator is turned on once water filtration function is selected.

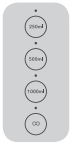
⑭ Cold water function indicator

Indicator is turned on once cold water function is selected.

⑮ Cold water status indicator

Indicator turns on according to temperature of cold water.

* More lights on display indicates cooler temperature.



⑯ Extraction amount indicator

Selected extraction amount is displayed. (250 ml, 500 ml, 1 000 ml, continuous extraction)

⑰ Extraction indicator

It turns on when filtered water/cold water is being extracted.

⑱ Light detection sensor

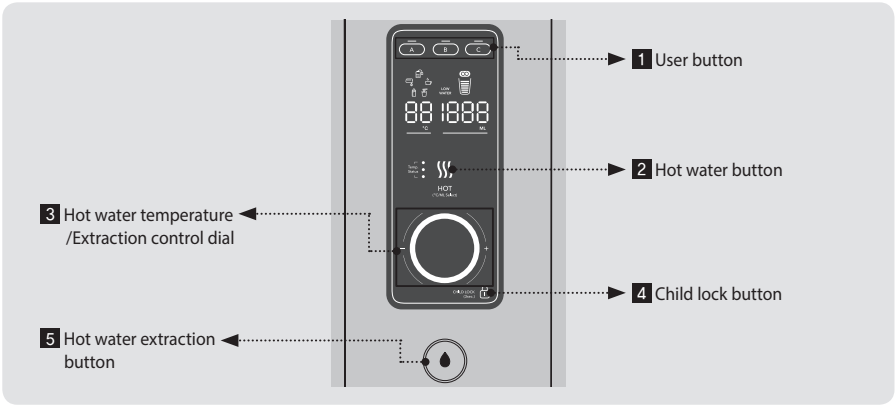
It is a sensor that detects luminosity.

⑲ Function ON/OFF indicator

ECO mode, cold water, hot water, On/Offs are, displayed.

BUTTONS AND INDICATORS

Hot Water Control Part



1 User button

User's water consumption pattern is remembered.

2 Hot water button

Use when you wish to extract hot water.

3 Hot water temperature/ Extraction control dial

Use when you wish to control hot water temperature/extraction amount.
Turn dial to the left to select lower temperature/lesser extraction amountand turn dial to the right to select higher temperature/higher extraction amount.

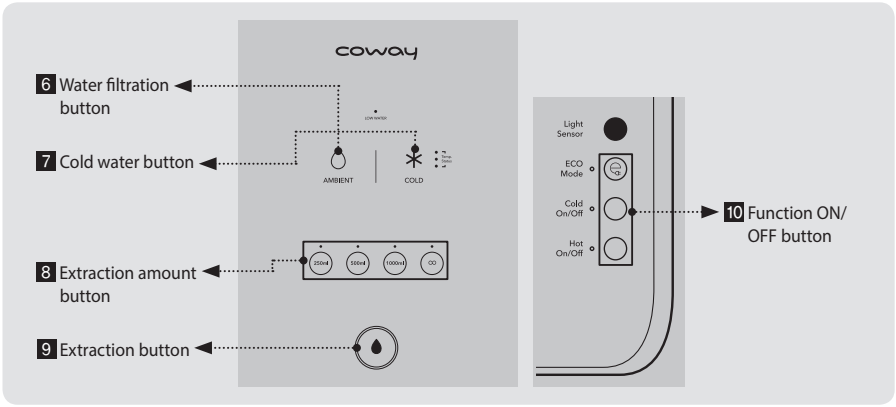
4 Child lock button

Use when you wish to select child lock function. Press for about 3 seconds to turn on/off child lock mode.
(Hot water/Extraction is disabled in child lock mode.)

5 Hot water extraction button

Use when you wish to extract hot water.

Control Part



6 Water filtration button

Use when yoau wish to extract filtered water.

7 Cold water button

Use when you wish to extract cold water.

8 Extraction amount button

Use when you wish to select desired extraction amount.
* Continuous extraction lasts for 3 minutes.

9 Extraction button

Use when you wish to extract filtered water/cold water.

10 Function ON/OFF button

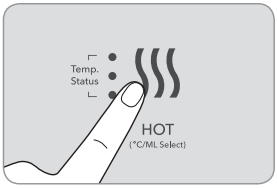
Use when selecting ECO mode, cold water on/off, hot water on/off functions.

BUTTONS AND INDICATORS

■ Using hot water function

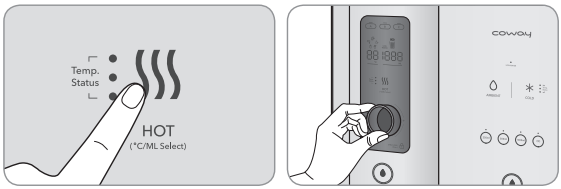
Press hot water button and check that the hot water function indicators are turned on the display unit.

∗ You can drink hot water about 30 minutes after turning on hot water function.

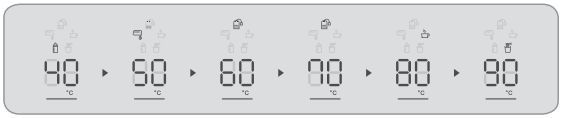


- Configuring temperature for hot water

Press hot water button and turn the dial once the temperature selection indicator blinks on the display unit to select temperature. Hot water temperature can be controlled in 6 levels(40 °→50 °→60 °→70 °→80 °→90 °) and turning the dial to the right increases the temperature and turning the dial to the left decreases the temperature.

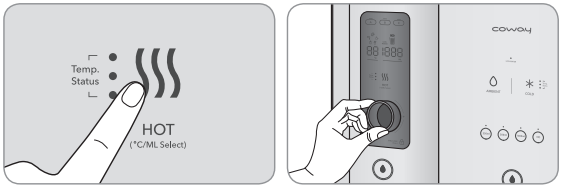


∗ 6 Levels of temperature for hot water



- Configuring extraction amount for hot water

Press hot water button and turn the dial once the hot water extraction amount indicator blinks to select extraction amount of hot water. Hot water extraction amount can be controlled in 7 levels(250 ml → 350 ml → 500 ml → 750 ml → 1 000 ml → 1 500 ml → Continued extraction(CON)) and turning the dial to the right increases extraction amount and turning the dial to the left decreases extraction amount.



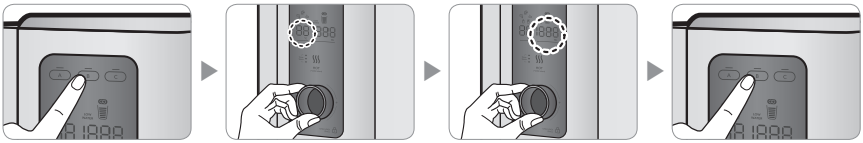
∗ 7 Levels of extraction amount

■ Hot water memory function

This function allows you to set frequently used hot water temperature and amount using the memory function for up to 3 memories.
After that, you only need to press a button to extract the hot water.

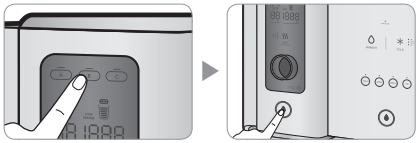
- Configuring temperature for hot water

1. Select one from Memory A, B, and C. The hot water temperature and amount stored in the memory are displayed.
   ＊If there is no button input for a certain duration, the mode changes to the ambient water mode.
2. When hot water temperature indicator is turned on, turn the dial to select the temperature you want.
3. Press hot water button. When extraction amount indicator is displayed, turn the dial again to set the extraction amount you want.
4. Press and hold the memory button you want. The memory indicator blinks a few times and the hot water temperature and amount you set are saved in the memory.
   ＊ The default settings for the memory are 90 ℃, 250 ml.



- Extracting hot water

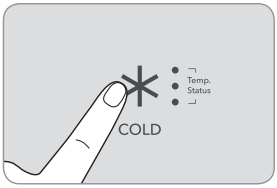
1. Select one from memory A, B, and C. Hot water temperature and amount stored in the memory are displayed.
   ＊ If there is no button input for a certain duration, the mode changes to the ambient water mode.
2. Press the extraction button to extract the water according to the hot water temperature and amount you set in the memory.



BUTTONS AND INDICATORS

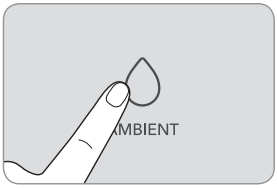
■ Using cold water function

Press cold water button and check that the cold water function indicators are turned on the display unit. Press COLD ON/OFF button of the product for a few seconds to turn off cold water function.



■ Using filtered water function

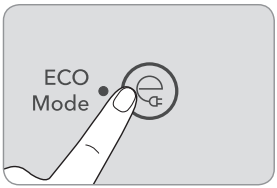
Press water filtration button and check that the water filtration function indicators are turned on the display unit.



■ Using power saving mode

Pressing power saving mode button will turn on power saving mode indicator and the compressor operation will decrease throughout the night to reduce power consumption.

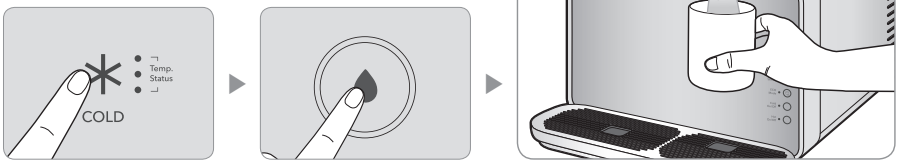
* Cold water is less cold and hot water is less hot during power saving mode.



HOW TO GET THE DESIRED WATER

How to Get Cold Water

Press cold water button, then press the extraction button.

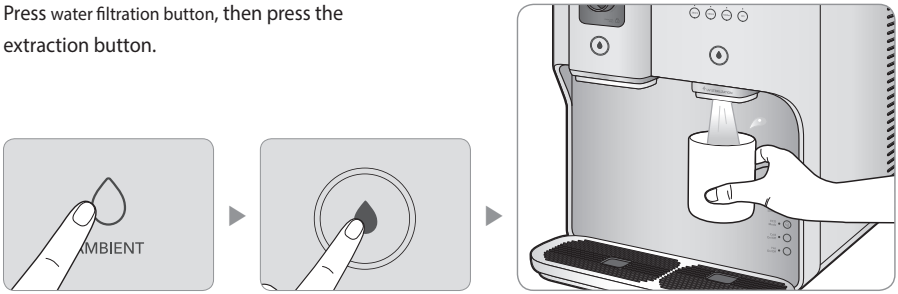


Tips

- If cold water is not being dispensed, please check that cold water indicator is turned on the display unit (Refer to P.13)

How to Get Ambient Water

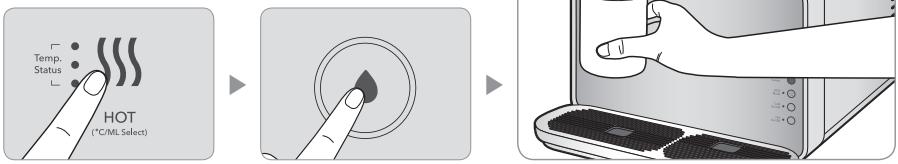
Press water filtration button, then press the extraction button.



HOW TO GET THE DESIRED WATER

How to Get Hot Water

Press hot water button and then press extraction button once temperature selection indicator on the display unit blinks.

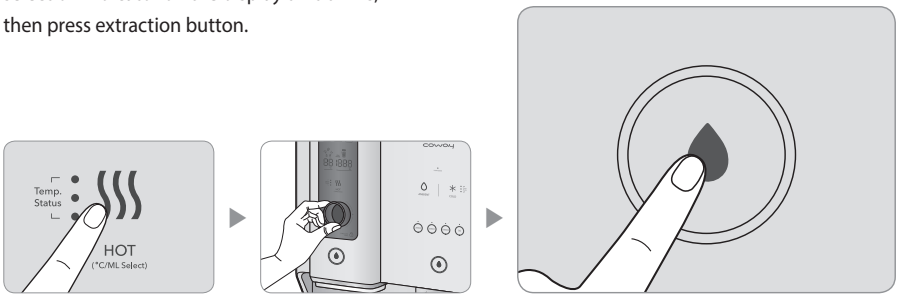


Tips

- If hot water is not being dispensed, please press HOT ON/OFF button at the bottom of the product to check that the indicator is on.
- Please be careful of burns when using hot water.

How to Get Warm Water

Press hot water button and turn the dial to select the temperature of warm water once temperature selection indicator on the display unit blinks, then press extraction button.

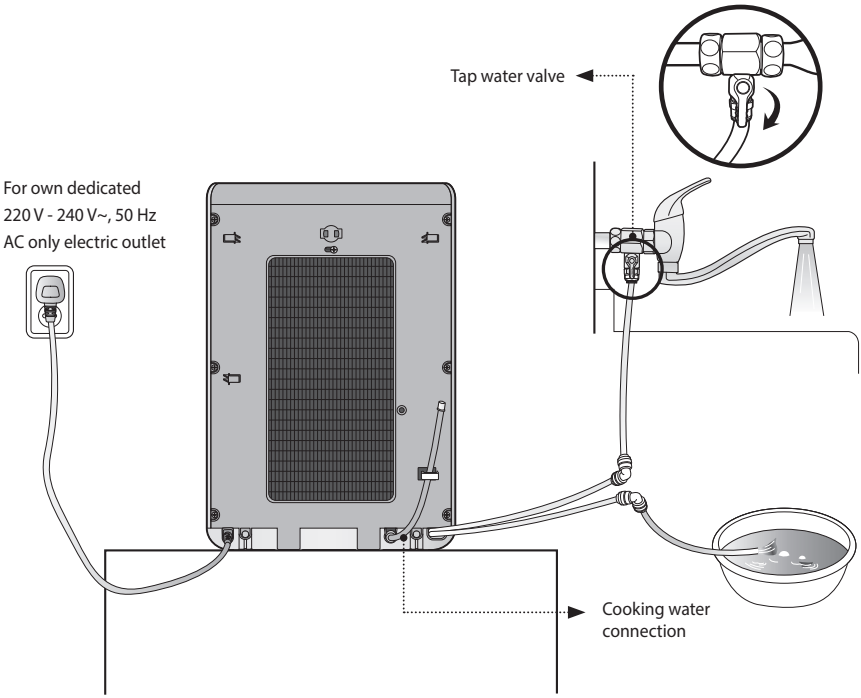


Tips

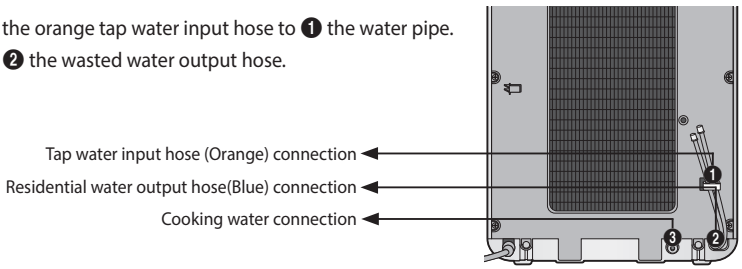
- Warm water is a function that mixes certain amount of hot water and cold water.
  This product has been configured to produce warm water when the indicators of hot water and cold water temperature are turned on to the maximum level.
  Therefore, the water may be hotter or colder than usual if temperatures of hot and cold water are not equivalent.
  Also, the water may be hotter than usual when low water level indicator is on.
- Please be careful of burns when using warm water as it may be hot.

HOW TO INSTALL

Installation Guide



Connect the orange tap water input hose to ❶ the water pipe.
Connect ❷ the wasted water output hose.



HOW TO INSTALL

Be Careful!

■ Where to install the water filtration unit I

Install the product in a cool part of the room, on an even surface, out of direct sunlight and away from humidity, dust, and dripping water.

■ Water filtration installation location II

Allow a clearance of 10 cm or more behind the product, and level the water filtration unit.

■ After installing the water filtration unit

Filter the water for more than 50 minutes or fill and drain once before using the unit.
(Drain the filtered water more than twice.)

■ Relocation and installation

If the unit is relocated, do not plug in the power cord until 30 minutes after the unit has been installed.

■ Cold water tubing

Make sure the unit is connected to the cold water supply line.
(If connected to the hot water supply line, the filtration unit may be damaged.)

Tips

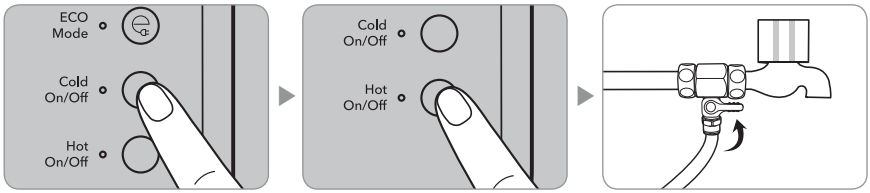
⚠ Some residual water used in the product inspection may be present within the filter. Do not be alarmed as it is not a used product.

⚠ Do not reuse the tap water valve and hose used before the product installation.

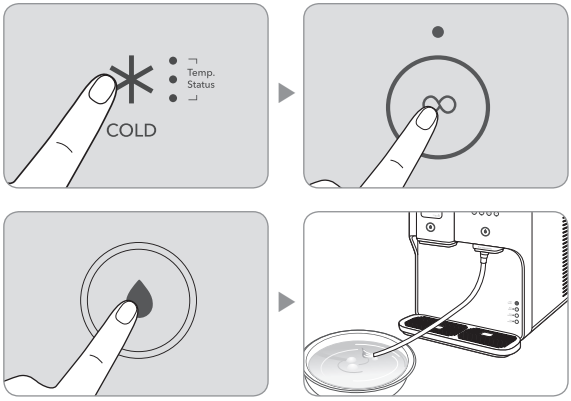
HOW TO CLEAN

How to Clean the Internal Water Tank

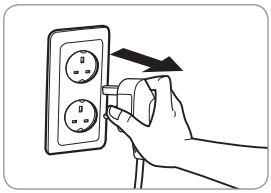
1. Press COLD ON/OFF and HOT ON/OFF buttons at the bottom of the product to turn off the LED. Please lock the tap water valve.



2. Press cold water button (1), continuous extraction amount button (2), and extraction button(3) to completely discharge the water inside the water filtration device through the draining hose.

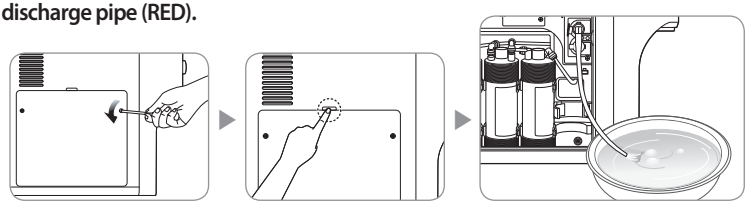


3. Disconnect the power plug.

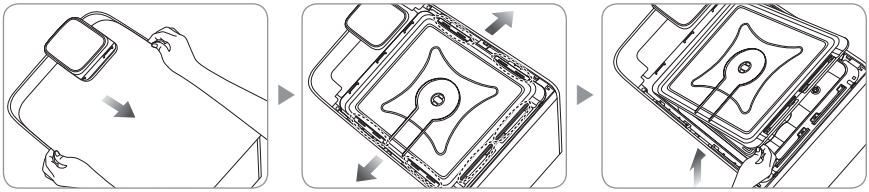


HOW TO CLEAN

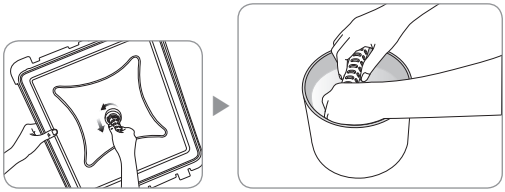
4. Use a screw driver (+) to loosen the two screws on the door side cover and discharge through the hot water discharge pipe (RED).



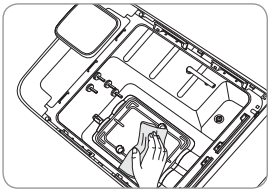
5. Push upper cover of the product to open, open the fixture clips(6) on the internal water tank, and lift up the internal water tank cover to open.



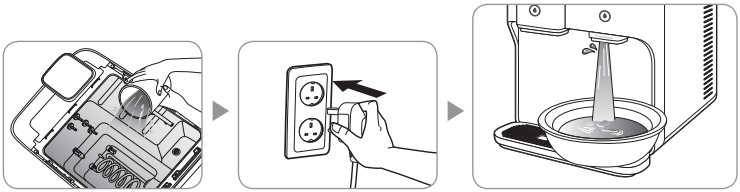
6. Rotate antibacterial filter on the internal water tank cover to remove it and wash using prepared water.



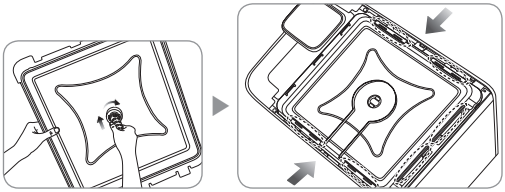
7. Wipe the surface of the internal water tank with soft cloth.



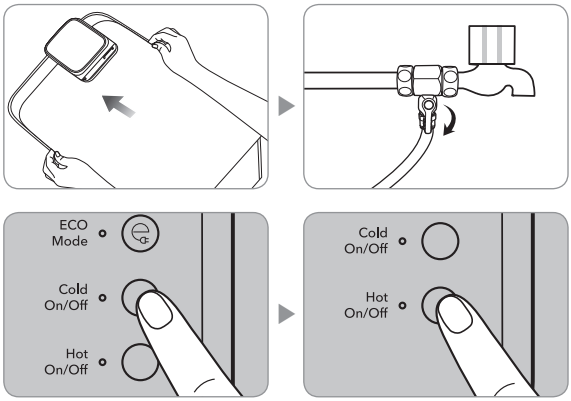
8. Use prepared water to wash out the internal water tank and connect the power plug.
   Use the discharge hose to completely discharge all water as well as initially filtered water before use.



9. Rotate antibacterial filter into the internal water tank cover, close the internal water tank cover, and close fixture clips(6) of the internal water tank.



10. Close the door side cover of the upper cover, and open the tap water valve.
    Check that water is being dispensed from the cold water/filtered water and hot water extraction faucets and press the COLD ON/OFF and HOT ON/OFF buttons at the bottom of the product to turn on the LED. Press the cold water button to reactivate the water filtration device.

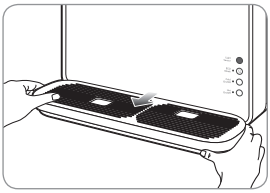


HOW TO CLEAN

How to Clean the Tray

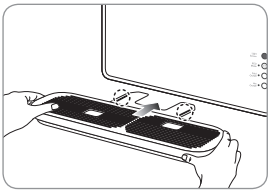
1. Instructions for the tray Disassembly

Pull on the front of the tray for easy disassembly.



2. Instructions for the tray assembly

Attach the tray hook to product and push gently.



Tips

⚠ Please shut the internal water tank cover completely.
Bugs and debris may enter the product.

⚠ Do not use chemicals or detergents when cleaning internal water tank.
Residual chemicals and detergents may be harmful to the body.

- Please maintain a clean surrounding and clean the internal water tank once every two months.

FILTER REPLACEMENT

■ Filter Replacement Cycle

If the filter is not regularly replaced, it may degrade the water quality from the product.
The filter change cycle may vary within the range of expected replacement cycle depending on the feed water quality.

Tips

The period for filter change is calculated based on 10 L water usage per day for a household of 4 members.

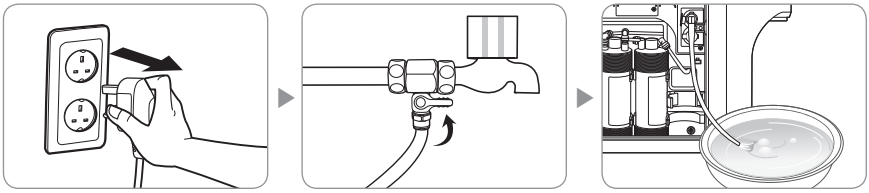
CHP-7310R

Filter Name	Expected Replacement Cycle
	Reverse Osmosis
Neo sense filter	6 months
Membrane filter (RO)	24 months
Plus Inno-sense filter	18 months
Antibacterial filter	12 months

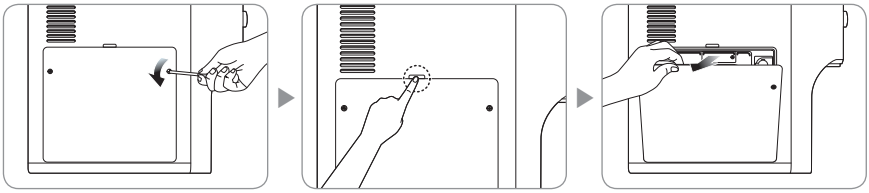
HOW TO REPLACE THE FILTER

Replace the Filter!

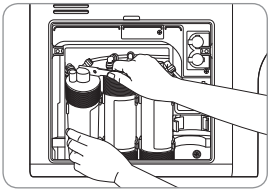
1. Disconnect the power plug, lock the tap water valve, and discharge all water inside the water filtration device. (Refer to P.21)



2. Use a screw driver (+) to loosen the two screws on the door side cover.



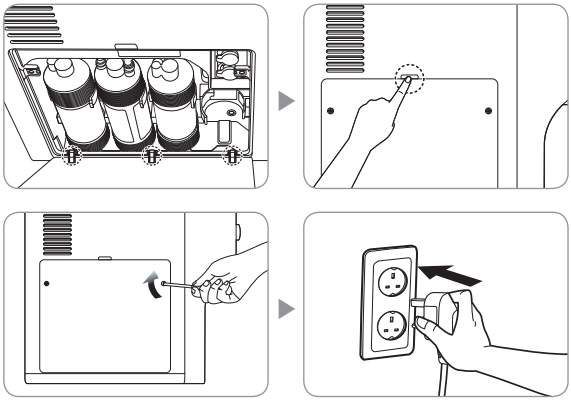
3. Please disconnect the fitting connected to the filter you wish to replace and replace the filter. (Use appropriate tool to disconnect the fitting.)



Tips

⚠ After replacing the filter, connect the fitting and the hose accurately to ensure that there is no leak and dispose the initially filtered water.

4. Please tighten the two separated door side screws and close. Connect the power plug.



Tips

⚠ Please be sure to use the new filter after cleansing.

- Neo-sense filter : Please assemble after cleansing with Neo-sense filter for about 1 minute.
- Membrane filter (RO) : After cleansing with the main water passed Neo- sense filter for about 5 minutes, please assemble it.
- Plus Inno-sense filter : Please use the filter without flushing.
- Antibacterial filter : Please use the filter without flushing.

TROUBLESHOOTING

The water filtration device may operate abnormally due to minor causes not because of the product malfunction but because of the fact that the user is not familiar with the product use. In such a case, problems can be solved easily even without the help from the Service Center by checking the following tems. If you can't solve the problem after checking the following items, please call the Service Center.

Symptom	Check	Measures to take
Water tastes weird.	• Did you clean the internal water tank?	Please clean the internal water tank.
	• I haven't used the water filtration device for a very long time.	Please dispose the stored water and clean the internal water tank.
	• Isn't it time for filter replacement?	Please request for filter replacement.
Water is not being dispensed.	• Is the device disconnected from the water supply or is the tap water valve locked?	Please open the tap water valve.
	• Did you miss the filter replacement period?	Please request for filter replacement.
The filtration amount has suddenly decreased.	• Isn't it time for filter replacement?	Please request for filter replacement.
	• Is the power connected?	Please check that the power cord is connected to 220 V - 240 V~, 50 Hz outlet.
	• Is the tap water valve locked?	Please open the tap water valve.
	• Is the temperature of tap water declining rapidly?	Filtration amount decreases as water temperature decreases.
Cold water is not being dispensed.	• Is cold water indicator on?	Please press the cold water button.
	• Is the tap water valve locked?	Water cooling function is not activated when water level is low to protect the motor. Please open the tap water valve.
	• Is the water filtration device too close to the wall?	Please maintain distance of at least 10cm from the wall.
Hot water is not being dispensed.	• Is hot water indicator on?	Please press the hot water button.
	• Is the power saving mode indicator turned on?	The water may be less hot in power saving mode.
	• Is the tap water valve locked?	Heater function does not activate when water level is low to prevent overheating of the heater. Please open the tap water valve.
	• Is the hot water-warm water temperature control dial turned to warm water?	Warm water is dispensed if the hot water-warm water temperature control dial is turned to warm water. Turn the control dial all the way to the right.

Symptom	Check	Measures to take
Warm water is not being dispensed.	• Is the hot water or cold water indicator turned on?	Please press the hot/cold water button to turn on hot/cold water function. Temperature of warm water may vary depending on temperature of hot/cold water.
	• Is the low water level indicator turned on?	The water may be hotter or colder than usual when low water level indicator is on. Please check again after low water level indicator is off.
	• Is the power saving mode indicator turned on ?	The water may be less hot than usual when power saving mode is on.
	• Is the tap water valve locked?	Heater function does not activate when water level is low to prevent overheating of the heater. Please open the tap water valve.
The device stopped suddenly during operation.	• Is the water supply intact?	Please check the tap water valve.
	• Is the power connected?	Please check that the power cord is connected to 220 V - 240 V~, 50 Hz outlet.
	• Is there leak or flooding of filtered water?	Please request for repair service.

PRODUCT SPECIFICATIONS

Product Name		Coway Water Filtration Device
Mode		CHP-7310R
Filtration Method		Reverse osmosis type
Standard Power Voltage		220 V - 240 V~, 50 Hz
Rated Power Input		Cool : 0.6 A, Heat : 800 W
Display Unit Details		Cold water temperature, (Warm)Hot water temperature, (Warm)Hot water extraction amount selection, Filtered/Cold water extraction selection, Power saving mode, Low water indicator, Mode light indicator, Cold water function, Hot water function
Major Features		Water filtration,. Cold water, Hot water, Overheating prevention, Subcooling prevention, Extraction faucet sterilization
Water tank Capacity	Ambient water	7.8 L
	Cold water	2.3 L
	Hot water	3.4 L
	Total	13.5 L
Filter Material	Neo-sense filter	Activated carbon block
	Membrane filter (RO)	Reverse osmosis
	Plus Inno-sense filter	Activated carbon block, non-woven fabric
	Antibacterial filter	Ceramic filter
Size (W × D × H)		340 mm (width) × 523 mm (depth) × 518 mm (height)
Water Temperature		5 °C - 35 °C
Working Temperature		5 °C - 35 °C
Working Pressure		0.07 MPa – 0.83 MPa
Weight		21.9 kg

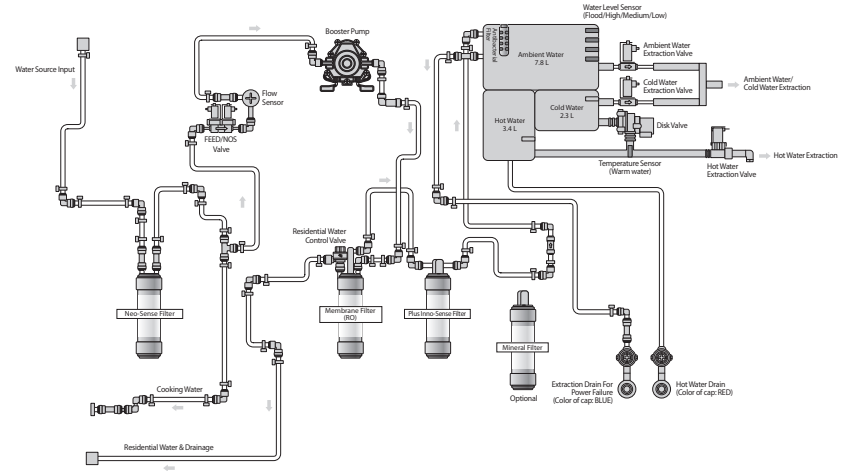
- **Amount of filtered water may vary depending on water pressure and temperature.**
- **Water tank capacity reflects the size of the water tank, and may be different from what is dispensed from the filtration unit.**
- **For product improvement purposes, product specifications are subject to slight changes without prior notice.**

MALAYSIA

Add: COWAY (M) SDN. BHD
Level 20, Ilham Tower, No. 8, Jalan Binjai,
50450 Kuala Lumpur.
Careline : 1800-888-111

WATER FLOW DIAGRAM

CHP-7310R



Water Filtration System Performance Data Sheet

Model: CHP-7310R

This system has been tested and certified by the Water Quality Association according to NSF/ANSI 42, 53, 58, and 401 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53, 58, and 401.

Substance	Influent Challenge Concentration (mg/L unless specified)	Maximum Allowable Product Water Concentration (mg/L unless specified)	Percent Reduction (%)
Arsenic (Pentavalent)	0.050 ± 10%	0.01	97.8
Barium	10.0 ± 10%	2	97.2
Cadmium	0.03 ± 10%	0.005	98.2
Chromium (Hexavalent)	0.3 ± 10%	0.1	98.6
Chromium (Trivalent)	0.3 ± 10%	0.1	99.4
Copper	3.0 ± 10%	1.3	98.1
Lead	0.15 ± 10%	0.01	99.1
Selenium	0.10 ± 10%	0.05	98.3
TDS	750 ± 40	187	95.3
Aesthetic Chlorine	2.0 ± 10%	≥ 50% Reduction	79.2
VOC*	0.300 ± 10%	≥ 95% Reduction	99.7
Meprobamate**	0.0004 ± 20 %	0.00006	95.1
Phenytoin**	0.0002 ± 20 %	0.00003	96.5
Atenolol**	0.0002 ± 20 %	0.00003	95
Carbamazepine**	0.0014 ± 20 %	0.0002	98.8
TCEP**	0.005 ± 20 %	0.0007	97.9
TCPP**	0.005 ± 20 %	0.0007	97.8
DEET**	0.0014 ± 20 %	0.0002	98.7
Metolachlor**	0.0014 ± 20 %	0.0002	98.7
Trimethoprim**	0.00014 ± 20 %	0.00002	96.8
Ibuprofen**	0.0004 ± 40 %	0.00006	96.2
Naproxen**	0.00014 ± 20 %	0.00002	97.5
Estrone**	0.00014 ± 20 %	0.00002	96.8
Bisphenol A**	0.002 ± 20 %	0.0003	99.4
Linuron**	0.00014 ± 20 %	0.00002	96.6
Nonyl phenol**	0.0014 ± 20 %	0.0002	97.8

**Reduction of substance certified according to NSF/ANSI 401.
While testing was performed under laboratory conditions, actual performance may vary.

General Operating Information:

Daily production Rate	40.2 GPD
Rated Capacity	180 gallons (for VOC, reduction of substances certified to NSF/ANSI 401) 3 000 gallons (for Aesthetic Chlorine)
Min-Max operating pressure:	10 ~ 120 psi (0.07MPa- 0.83 MPa)
Min-Max operating temperature:	41 °F ~ 95 °F (5 °C ~ 35 °C)
Rated Service Flow	0.07 gpm
Electrical Requirement	220 V - 240 V

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- The estimated replacement time of filter, which is a consumable part, is not an indication of quality guarantee period, but it means the ideal time of filter replacement. Accordingly, the estimated time of filter replacement may be shortened in case it is used in an area of poor water quality.
- The filtration device installation shall comply with applicable state and local regulations.
- The reverse osmosis system contains a replaceable treatment component, critical for the effective reduction of total dissolved solids and that product water shall be tested periodically to verify that the system is performing properly
- The influent water to the system shall include the following characteristics:
  o No organic solvents
  o Chlorine: < 2 ppm
  o pH: 7 - 8
  o Temperature: 41 °F ~ 95 °F (5 °C ~ 35 °C)
  o Iron: < 2 mg/L
  o Turbidity: < 1 NTU
  o Hardness: < 1 000 mg/L
- This system has been tested for the treatment of water containing pentavalent arsenic (also know as As(V), As(+5), or arsenate) at concentrations of 0.050 mg/L or less. This system reduces pentavalent arsenic, but may not remove other forms of arsenic. This system is to be used on water supplies containing a detectable free chlorine residual at the system inlet or on water supplies that have been demonstrated to contain only pentavalent arsenic. Treatment with chloramines (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic. Please see the Arsenic Facts section of this Performance Data Sheet for further information.
- The compounds certified under NSF/ANSI 401 have been deemed as "incidental contaminants/emerging compounds". Incidental contaminants are those compounds that have been detected in drinking water supplies at trace levels. While occurring at only trace levels, these compounds can affect the public acceptance/perception of drinking water quality.
- Refer to the owner's manual for specific installation instructions, manufacturer's limited warranty, user responsibility, and parts and service availability.
- For parts and service availability, please contact your local dealer or Coway.

Model of Filter	Type	Usable period (months)
CNFN8S	NEO-SENSE FILTER	6
CRMFN8S-20	RO MEMBRANE FILTER	20
CIFN8S-PLUS	PLUS INNOSENSE FILTER	18
CAF-03	ANTIBACTERIAL FILTER	12

ARSENIC FACTS

Arsenic (abbreviated As) is found naturally in some well water. Arsenic in water has no color, taste or odor. It must be measured by a lab test. Public water utilities must have their water tested for arsenic. You can get the results from your water utility. If you have your own well, you can have the water tested. The local health department or the state environmental health agency can provide a list of certified labs. The cost is typically $15 to $30. Information about arsenic in water can be found on the Internet at the US Environmental Protection Agency website:
www.epa.gov/safewater/arsenic.html
There are two forms of arsenic: pentavalent arsenic (also called As(V), As(+5), and arsenate) and trivalent arsenic (also called As(III), As(+3), and arsenite). In well water, arsenic may be pentavalent, trivalent, or a combination of both. Special sampling procedures are needed for a lab to determine what type and how much of each type of arsenic is in the water. Check with the labs in your area to see if they can provide this type of service.
Reverse osmosis (RO) water treatment systems do not remove trivalent arsenic from water very well. RO systems are very effective at removing pentavalent arsenic. A free chlorine residual will rapidly convert trivalent arsenic to pentavalent arsenic. Other water treatment chemicals such as ozone and potassium permanganate will also change trivalent arsenic to pentavalent arsenic. A combined chlorine residual (also called chloramine) may not convert all the trivalent arsenic. If you get your water from a public water utility, contact the utility to find out if free chlorine or combined chlorine is used in the water system.

The CHP-7310R system is designed to remove pentavalent arsenic. It will not convert trivalent arsenic to pentavalent arsenic. The system was tested in a lab. Under those conditions, the system reduced 0.050 mg/L pentavalent arsenic to 0.010 mg/L (ppm) (the USEPA standard for drinking water) or less. The performance of the system may be different at your installation. Have the treated water tested for arsenic to check if the system is working properly. The RO component of the CHP-7310R system must be replaced every 20 months to ensure the system will continue to remove pentavalent arsenic. The component identification and locations where you can purchase the component are listed in the installation/operation manual.

* VOC Surrogate Claims

Chemical	Drinking water regulatory level[1] (MCL/MAC) mg/L	Influent challenge concentration[2] mg/L	Chemical reduction percent	Maximum product water concentration mg/L
alachlor	0.002	0.050	> 98	0.001[3]
atrazine	0.003	0.100	> 97	0.003[3]
benzene	0.005	0.081	> 99	0.001[3]
carbofuran	0.04	0.190	> 99	0.001[3]
carbon tetrachloride	0.005	0.078	98	0.0018[4]
chlorobenzene	0.1	0.077	> 99	0.001[3]
chloropicrin	-	0.015	99	0.0002[3]
2,4-D	0.07	0.110	98	0.0017[4]
dibromochloropropane(DBCP)	0.0002	0.052	> 99	0.00002[3]
o-dichlorobenzene	0.6	0.080	> 99	0.001[3]
p-dichlorobenzene	0.075	0.040	> 98	0.001[3]
1,2-dichloroethane	0.005	0.088	95[5]	0.0048[5]
cis-1,3-dichloropropylene	-	0.079	> 99	0.001[3]
dinoseb	0.007	0.170	99	0.0002[4]
endrin	0.002	0.053	99	0.00059[4]
ethylbenzene	0.7	0.088	> 99	0.001[3]
ethylene dilbromide (EDB)	0.00005	0.044	> 99	0.00002[3]
haloacetonitriles (HAN) bromochloroacetonitrile dibromoacetonitrile dichloroacetonitrile trichloroacetoritrile	 - - - -	 0.022 0.024 0.0096 0.015	 98 98 98 98	 0.0005[3] 0.0006[3] 0.0002[3] 0.0003[3]
haloketones (HK): 1,1-dichloro-2-propanone 1,1,1-trichloro-2-propanone	 - -	 0.0072 0.0082	 99 96	 0.0001[3] 0.0003[3]
heptachlor (H-34,Heptox)	0.0004	0.08	> 99	0.0004
heptachlor epoxide	0.0002	0.0107[6]	98	0.0002[6]
hexachlorobutadiene	-	0.044	> 98	0.001[3]
hexachlorocyclopentadiene	0.05	0.060	> 99	0.000002[3]
lindane	0.0002	0.055	> 99	0.00001[3]
methoxychlor	0.04	0.050	> 99	0.0001[3]
pentachlorophenol	0.001	0.096	> 99	0.001[3]
simazine	0.004	0.120	> 97	0.004[3]
styrene	0.1	0.150	> 99	0.0005[3]
1,1,2,2-tetrachloroethane	-	0.081	> 99	0.001[3]
tetrachloroethylene	0.005	0.081	> 99	0.001[3]
toluene	1	0.078	> 99	0.001[3]
2,4,5-TP (silvex)	0.05	0.270	99	0.0016[4]
tribromoacetic acid	-	0.042	> 98	0.001[3]
1,2,4-trichlorobenzene	0.07	0.160	> 99	0.0005[3]
1,1,1-trichloroethane	0.2	0.084	95	0.0046[4]
1,1,2-trichloroethane	0.005	0.150	> 99	0.0005[3]
trichloroethylene	0.005	0.180	> 99	0.0010[3]
trihalomethanes (includes):				
chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.080	0.300	95	0.015
xylenes (total)	10	0.070	> 99	0.001[3]

[1] These harmonized values were agreed upon by representatives of USEPA and Health Canada for the purpose of evaluating products to the requirements of this Standard.
[2] Influent challenge levels are average influent concentrations determined in surrogate qualification testing.
[3] Maximum product water level was not observed but was set at the detection limit of the analysis.
[4] maximum product water level is set at a value determined in surrogate qualification testing.
[5] Chemical reduction percent and maximum product water level calculated at chloroform 95% breakthrough point as determined in surrogate qualification testing.
[6] The surrogate test results for heptachlor epoxide demonstrated a 98% reduction. These data were used to calculate an upper occurrence concentration which would produce a maximum product water level at the MCL.

Coway Co.,Ltd.
136-23, Yugumagoksa-Ro, Yugu Eub, Gongju-Si, Choongchungnam-Do, Korea
Tel.: 82-41-850-7879 Fax.: 82-41-841-7816

MEMO

MEMO

MEMO

001

9232463

coway

www.coway.com