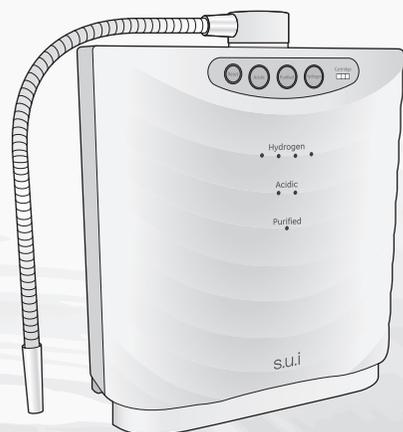


Continuously Generated Electrolytic
Hydrogen Water Purifier

s.u.i



s.u.i

Instruction
Manual

Thank you for purchasing the s.u.i.
Please read this instruction manual carefully
and use the unit as indicated.
After reading this manual, be sure to store it in
a place where users can access it at any time.

About s.u.i Water Purification Cartridge

- How to replace the water purification cartridge . . . page 29
- Specifications of water purification cartridge . . . page 37

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Safety precautions

Be sure to observe the “⚠ Warnings” and “⚠ Cautions” shown here as they contain important information to prevent harm to people and property.

About display marks

● In particular, be sure to observe documents with the following warning marks.

- Classifies and describes the degree of harm and damage caused by mishandling.

	Warning	Items that may cause death or serious injury
	Caution	Items that may cause injury or property damage

● Display

- The types of items that must be observed are explained with the following display marks.
(The following is an example of a display mark)

	Indicates prohibition.
	Content that gives an instruction for an action.

Safety precautions -Be sure to observe-

 Warning	
 Prohibited	<ul style="list-style-type: none"> ● Do not damage the power cord. <ul style="list-style-type: none"> • Do not secure it with staples, process it, bend it forcibly, pull it, twist it, bundle it, place heavy objects on it, or pinch it. ● Do not connect many electrical power cords to a single outlet. ● Do not use the unit with a voltage other than the specified power supply voltage (200 to 240 VAC). <ul style="list-style-type: none"> • Do not use the unit in locations with a substandard power supply. ● Do not connect or disconnect the power plug with wet hands. ● Do not allow individuals requiring assistance (including children) to use this unit alone. <ul style="list-style-type: none"> • When using this unit, do so under the supervision and instruction of a person responsible for safety. • Make sure that children do not play with the unit.
 Prohibited	<ul style="list-style-type: none"> ● Do not try to modify, disassemble, or repair the unit yourself. <ul style="list-style-type: none"> • If the unit has any abnormalities or is malfunctioning, contact your dealer for repair services.
 Instructions	<ul style="list-style-type: none"> ● Make sure that the power plug is fully inserted into the outlet. ● Do not use outlets with loose insertion holes. ● Wipe off any dust from the power plug regularly with a dry cloth. ● When disconnecting the power cord, be sure to hold the power plug. <ul style="list-style-type: none"> • If the power cord is damaged, contact your dealer for repair services.
 Instructions	<ul style="list-style-type: none"> ● If the unit is accidentally dropped into the water, unplug the power plug from the outlet and pull the unit out of the water. Then, contact your dealer for repair services. ● If an error or failure occurs in the unit, stop using it immediately and remove the power plug. <ul style="list-style-type: none"> • Contact your dealer if you require an inspection or repair services.

Safety precautions -Be sure to observe-



Caution

 Prohibited	<ul style="list-style-type: none"> ● Do not take medicines with hydrogen water. ● If you have kidney disease such as renal failure or potassium excretion disorder, do not drink hydrogen water. ● If you have achlorhydria, do not drink hydrogen water. ● Do not drink water with a pH of 10 or higher. *The pH should be measured regularly. (P25) ● Use only water that is suitable for drinking (such as tap water). ● Do not pass hot water exceeding 35 °C through the unit. (P35) ● Do not drink the following types of water. <ul style="list-style-type: none"> • Acidic water • Water from the drainage hose • Water containing pH measurement solution. ● Do not use alkali-sensitive aluminum containers or acid-sensitive copper containers. ● Do not use hydrogen water for breeding water for goldfish or tropical fish. (P35) 														
 Instructions	<ul style="list-style-type: none"> ● The following persons should consult a doctor before drinking hydrogen water. <ul style="list-style-type: none"> • Persons receiving medical treatment • Persons with kidney problems • Persons who feel abnormal in their body <div style="border: 1px solid black; padding: 5px; margin-left: 100px; width: fit-content;"> <p>*Please tell the doctor the following at the time of consultation.</p> <ul style="list-style-type: none"> • Minerals such as calcium, magnesium, sodium and potassium contained in tap water will increase. • The water is about pH9.5. </div> <ul style="list-style-type: none"> ● Stop drinking hydrogen water and consult a doctor if you feel abnormalities in your body after drinking hydrogen water or if you continue to drink hydrogen water and observe no improvement in symptoms. 														
 Instructions	<ul style="list-style-type: none"> ● At the start of daily use and when you will not use the unit for 6 hours or more before going to bed, replace the water remaining inside the unit, press the acidic water switch to switch to acidic water mode level 2 and process water. This will reduce the adhesion of calcium. The guideline for water processing time is as shown in the table on the right. After processing water, close the faucet and press the hydrogen water or purified water switch before drinking. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">(Guide to time to run accumulated water inside the unit)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">When you will not use the unit for 6 hours or more or before going to bed</td> <td style="padding: 5px;">Approx. five seconds (Approx. 250 mL)</td> </tr> <tr> <td style="padding: 5px;">When starting to use everyday</td> <td style="padding: 5px;">Approx. 30 seconds (Approx. 1.5 L)</td> </tr> <tr> <td style="padding: 5px;">When not used for 1 day</td> <td style="padding: 5px;">Approx. one minute (Approx. 3 L)</td> </tr> <tr> <td style="padding: 5px;">When not used for more than 2 days</td> <td style="padding: 5px;">Approx. three minutes (Approx. 9 L)</td> </tr> <tr> <td style="padding: 5px;">When not used for 1 week</td> <td style="padding: 5px;">Approx. five minutes (Approx. 15 L)</td> </tr> <tr> <td style="padding: 5px;">When using the unit for the first time or replacing the water purification cartridge</td> <td style="padding: 5px;">Approx. five minutes (Approx. 15 L)</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">*It is recommended that you replace the water purification cartridge when the unit has not been used for over a month.</p>	(Guide to time to run accumulated water inside the unit)		When you will not use the unit for 6 hours or more or before going to bed	Approx. five seconds (Approx. 250 mL)	When starting to use everyday	Approx. 30 seconds (Approx. 1.5 L)	When not used for 1 day	Approx. one minute (Approx. 3 L)	When not used for more than 2 days	Approx. three minutes (Approx. 9 L)	When not used for 1 week	Approx. five minutes (Approx. 15 L)	When using the unit for the first time or replacing the water purification cartridge	Approx. five minutes (Approx. 15 L)
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When using the unit for the first time or replacing the water purification cartridge	Approx. five minutes (Approx. 15 L)														
 Instructions	<ul style="list-style-type: none"> ● Although pH of approximately 9.5 is suitable for drinking (pH 9.0 to less than pH 10), if you are drinking hydrogen water for the first time, please take a small amount of hydrogen water at level 1. <ul style="list-style-type: none"> • As a guide, pH 9.5 will show a color between 9.0 and 10.0 in the pH color chart. • When using hydrogen water for the first time, and at least once a month thereafter, measure the pH (P25) and check whether the hydrogen water is within the pH standard. ● Drink hydrogen water in the range of 500 ml to 1,000 ml per day. ● Drink generated water as soon as possible after generating it. Also, if you want to store hydrogen water/purified water, store it in the refrigerator in a sealed container such as a clean plastic bottle and drink it within 2 days. <ul style="list-style-type: none"> • Unclean containers or containers that cannot be sealed are not suitable for storing water. 														

Safety precautions -Be sure to observe-



Caution

 Instructions	<ul style="list-style-type: none"> ● The following persons should consult a doctor before using acidic water. <ul style="list-style-type: none"> • Those with sensitive skin • Those with allergic predispositions ● If you feel any abnormalities on your skin when using acidic water, stop using it immediately and consult your doctor.
 Prohibited	<ul style="list-style-type: none"> ● Do not connect to or use with other equipment. ● Do not mount or connect any structural parts other than those permitted for use with this unit. <ul style="list-style-type: none"> • This may cause a damage in this unit, so be sure to use the included branch tap connector to mount. ● Do not connect directly to a water heater. ● Do not use in humid places such as bathrooms. ● Do not block the water outlet, or bend or twist the hose. ● Do not place objects on the unit. ● Do not use the unit while it is lying down.
 Instructions	<ul style="list-style-type: none"> ● Place the unit on a flat surface. <ul style="list-style-type: none"> • Do not place it on an unstable or inclined surface. ● Do not install in the following places. <ul style="list-style-type: none"> • Close to high temperature areas such as a cooker, stove, or water heater (60 °C or higher) • Places exposed to direct sunlight or exposed to rain and wind • Places where freezing is possible • Places lower than the sink (for example, at ground level or in the sink) • Places where oil is likely to adhere to the unit • Altitudes above 2,000 m
 Instructions	<ul style="list-style-type: none"> ● Unplug the power plug when not in use for a long time. <ul style="list-style-type: none"> • When reusing, make sure that all hoses, water purification cartridges, and power cords are connected correctly and securely, and that the switches operate normally and safely. Also, when you start using the unit, process water at acidic water mode level 2. (P3) ● In the event of a power failure, immediately disconnect the power plug from the outlet.
 Instructions	<ul style="list-style-type: none"> ● Note the following when handling the pH measurement solution. <ul style="list-style-type: none"> • Do not allow pH measurement solution to enter your eyes or drink it. If it accidentally enters your eyes or if accidentally swallowed, wash with plenty of water or drink plenty of water and consult your doctor. • Keep away from fire. • Always close the lid and keep out of the reach of children. • Store the pH color chart in a dark place away from direct sunlight. The color may change.

Safety precautions -Be sure to observe-



Caution

 <p>Prohibited</p>	<ul style="list-style-type: none">● Do not splash or wash the unit.<ul style="list-style-type: none">• If you accidentally splash water on the unit, wipe it off with a dry cloth.• Do not use detergents, bleaches, alcohol, benzene, thinners, cleansers or insecticides.• To clean the unit, wipe it with a soft cloth soaked in water and tightly wrung out.● Do not subject the unit or water purification cartridge to impact or drop it.● Do not process water with the water purification cartridge removed.
 <p>Instructions</p>	<ul style="list-style-type: none">● Do not operate the unit with the end of the water production pipe or drainage hose positioned near sources of strong odors, such as drain outlets, or in contact with the water surface. (When the water stops, unpleasant odors, water, or impurities may be sucked up.)● Do not use any accessories other than those specified by NIHON TRIM (such as water purification cartridges).● Do not reuse old hoses.● When disposing of the unit, consumables, and accessories after use, follow the disposal method specified in your area.● Be sure to observe the usage and safety precautions as incorrect handling may cause a malfunction.

■ Terms used in this manual

At NIHON TRIM, we call “alkaline electrolyzed water” — alkaline potable water containing hydrogen generated from the cathode by electrolysis — hydrogen water, and “acidic electrolyzed water” generated from the anode, acidic water.

- The following descriptions are used in this manual.
 - Collective term for hydrogen water, acidic water, and purified water → Processed water

■ Illustrations used in this manual

Please note that the product drawings and illustrations used in this manual may differ slightly from the actual product.

Important Notice

■ Features

This unit can generate three types of processed water: Drinking alkaline electrolyzed water (hydrogen water), purified water and acidic electrolyzed water (acidic water). You can select the type of processed water by pressing the switches.

Purified water can be used for taking medicine and for babies' milk, and acidic water can be used for washing your face and washing dishes.

■ Requests when Using the Unit

- **Use only water that is suitable for drinking (such as tap water).**
 - **Do not process the following types of water with the unit.**
 - Very turbid water
 - Water with high rust content
 - Hot water at 35 °C or above
 - Water with high salt content (such as well water near the coast)
- } Doing so may cause clogging of the water purification cartridge before the normal lifetime.
- } Doing so may cause a malfunction.
- **This unit purifies water suitable for drinking (e.g., tap water) using a water purification cartridge, and then generates electrolyzed water via electrolysis.**
 - **To prevent calcium buildup, use hydrogen water level 1 in areas with high water hardness.**
 - **The free residual chlorine in the hydrogen water and purified water that accumulate inside the unit is removed, so general bacteria may increase easily. When using the unit, please pass acidic water as follows.**
 - **At the start of daily use and when you will not use the unit for 6 hours or more before going to bed, replace the water remaining inside the unit, press the acidic water switch to switch to acidic water mode level 2 and process water. This will reduce the adhesion of calcium.**

The estimated time for water processing is as follows.

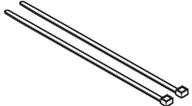
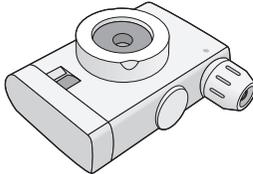
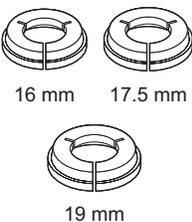
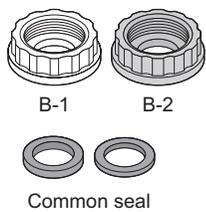
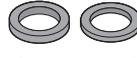
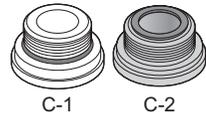
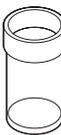
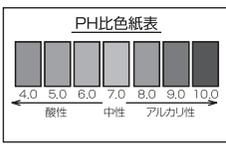
When you will not use the unit for 6 hours or more or before going to bed	Approx. five seconds (Approx. 250 mL)
When starting to use everyday	Approx. 30 seconds (Approx. 1.5 L)
When not used for 1 day	Approx. one minute (Approx. 3 L)
When not used for more than 2 days	Approx. three minutes (Approx. 9 L)
When not used for 1 week	Approx. five minutes (Approx. 15 L)
When using the unit for the first time or replacing the water purification cartridge	Approx. five minutes (Approx. 15 L)

* In areas with high water hardness, in addition to the water processing shown in the table on the left, process in acidic water mode for 30 seconds to 1 minute before going to bed. This will prevent malfunctions caused by calcium clogging.

* It is recommended that you replace the water purification cartridge when the unit has not been used for over a month.

- **Use generated water as soon as possible after generation. Also, if you want to store hydrogen water or purified water, store it in the refrigerator in a sealed container such as a clean plastic bottle and drink it within 2 days.**

Included Parts

Unit 	Water production pipe 	Inlet hose (blue line) (P16) 	Adhesive disk (P17) 	
		Drainage hose (P16) 	Fixing bands (2 pcs) (P17) 	
Branch tap connector (P9, 19) 	Mounting accessories			
	(Set A) (P11) <p>C-ring</p>  <p>16 mm 17.5 mm</p> <p>19 mm</p>	(Set B) (P12) <p>Faucet aerator adapter (For external screws)</p>  <p>B-1 B-2</p> <p>Common seal</p> 	(Set C) (P13) <p>Faucet aerator adapter (For internal screws)</p>  <p>C-1 C-2</p>	(Set D) (P14) <p>Screw-on faucet adapter</p> 
pH measurement kit (P25)    <p>Dedicated cup pH measurement solution</p> <p>PH比色紙表</p> <p>4.0 5.0 6.0 7.0 8.0 9.0 10.0</p> <p>← 酸性 中性 アルカリ性 →</p>		Instruction Manual (this manual) 		

Names of Parts

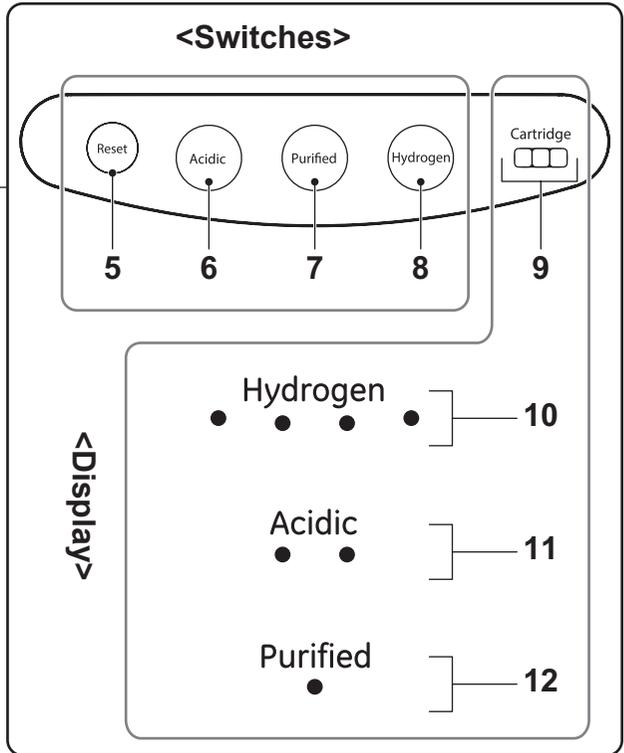
Unit front



- 1 Water production port
- 2 Water production pipe
- 3 Water production pipe attachment section
- 4 Processed water lamp (P20)

<Switches>

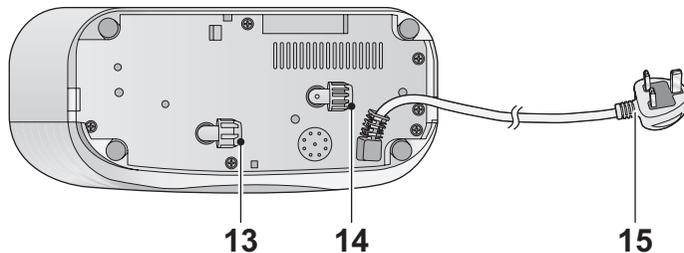
- 5 Reset switch/lamp (P31)
- 6 Acidic water switch/lamp (P20, 22)
- 7 Purified water switch/lamp (P20)
- 8 Hydrogen water switch/lamp (P20, 22)



<Display>

- 9 Cartridge remaining amount display (P21)
- 10 Hydrogen water level display (P20)
- 11 Acidic water level display (P20)
- 12 Purified water display (P20)

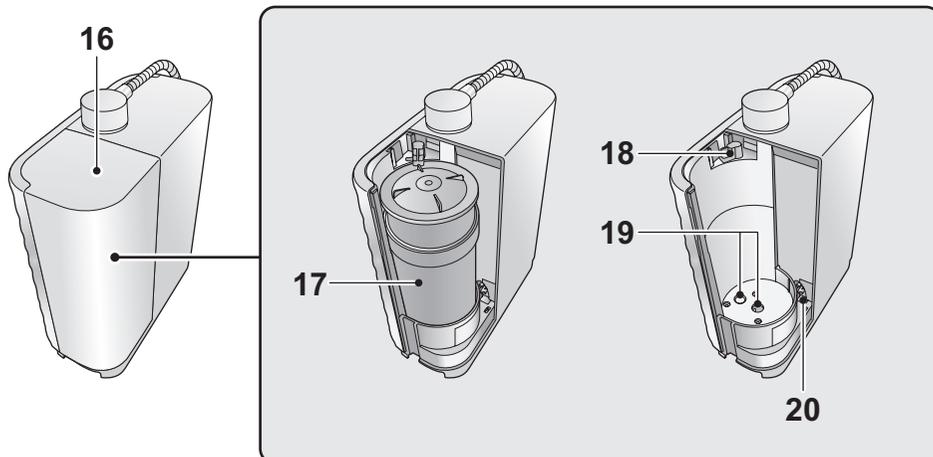
Unit bottom



- 13 Inlet hose port (P15)
- 14 Drainage hose port (P15)

- 15 Power cord (P18)

Unit side



16 Cartridge cover (P30)

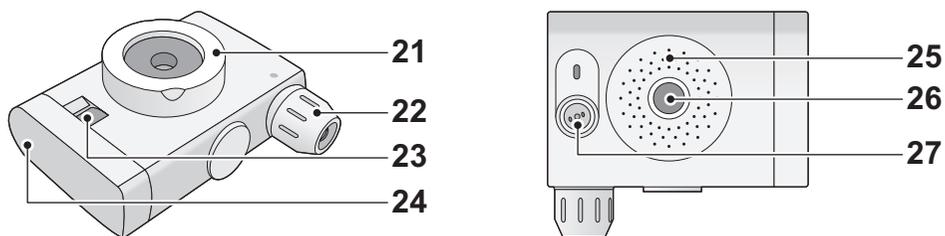
17 Water purification cartridge
(P21, 29, 37, 38)

18 Cartridge lock lever (P30)

19 Cartridge mounting part (P30)

20 Drainage adjustment lever (P26)

Branch tap connector



21 Tightening cap (P11, 27)

22 Inlet hose connection (P17, 28)

23 Switching display (P19)

24 Switching lever (P19)

25 Shower outlet

26 Raw water outlet

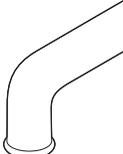
27 Warning valve (P19)

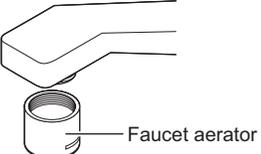
Checking the Faucet Shape

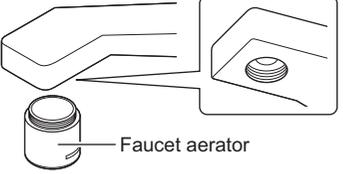
■ Faucets that can be used

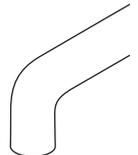
Eight types of adapters are provided with the branch tap connector.

The mounting adapter to use differs depending on the type of faucet you will use, so please check the faucet type.

Faucet A	Flared end type
<ul style="list-style-type: none"> Faucet pipe diameter (16 mm/17.5 mm/19 mm) 	
	
<p>Prepare set A (accessory) and read the installation instructions on page 11.</p>	

Faucet B	Type with external threads, revealed by removing the aerator
<ul style="list-style-type: none"> External screw type 	
	
<p>Prepare set B (accessory) and read the installation instructions on page 12.</p>	

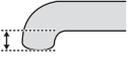
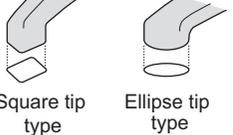
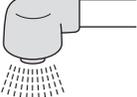
Faucet C	Type with internal threads, revealed by removing the aerator
<ul style="list-style-type: none"> Internal screw type 	
	
<p>Prepare set C (accessory) and read the installation instructions on page 13.</p>	

Faucet D	No flaring on the end
	
<p>Prepare set D (accessory) and read the installation instructions on page 14.</p>	

- If your faucet does not match any of the above types, please contact your dealer.

■ Faucets that cannot be used

The branch tap connector cannot be attached to the following types of faucets. In this case, please contact your dealer.

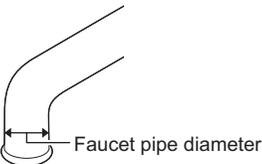
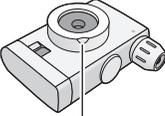
Tip 10 mm or less	Special tip shape	With shower nozzle	With sensor
			

- Please note that there are other faucet shapes, screw diameters (other than 22 mm) and pipe diameters.

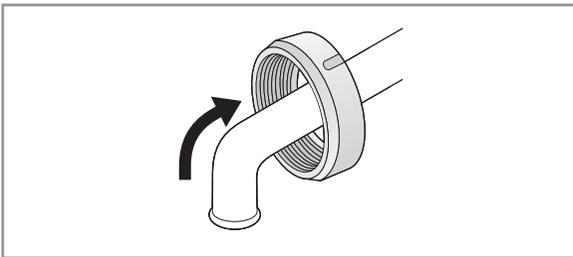
Attaching the Branch Tap Connector

■ Faucet A (flared end type)

- Can be installed on types where the faucet pipe diameter is 16 mm/17.5 mm/19 mm.

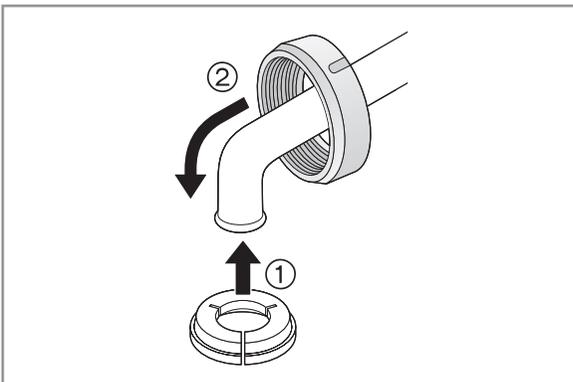
Faucet shape	Items to prepare	
	<ul style="list-style-type: none">• Branch tap connector 	<ul style="list-style-type: none">• Set A <p>C-ring</p>  <p>16 mm 17.5 mm 19 mm</p>

- 1 Remove the tightening cap from the branch tap connector and pass it over the faucet.



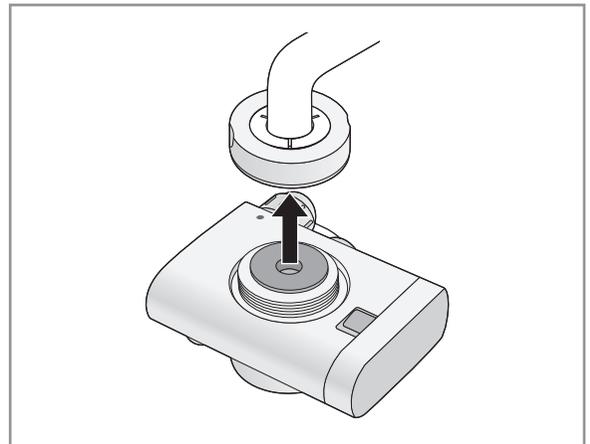
- Carefully note the orientation of the tightening cap to make sure it is correct.

- 2 Attach the C-ring that fits the diameter of the faucet pipe to the tip of the faucet.

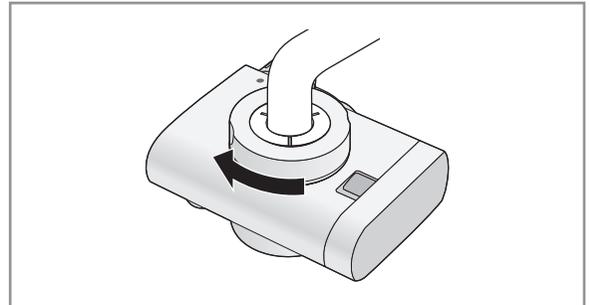


- Spread the notches to make it easier to attach.
- Carefully note the orientation of the C-ring to make sure it is correct.

- 3 Push the branch tap connector up onto the faucet to ensure proper contact with the seal.

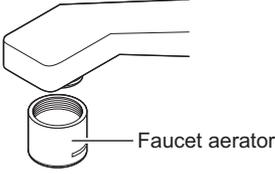
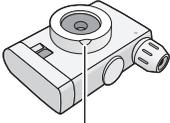
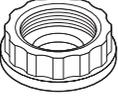
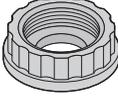
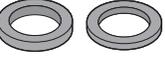


- 4 Firmly tighten the tightening cap.

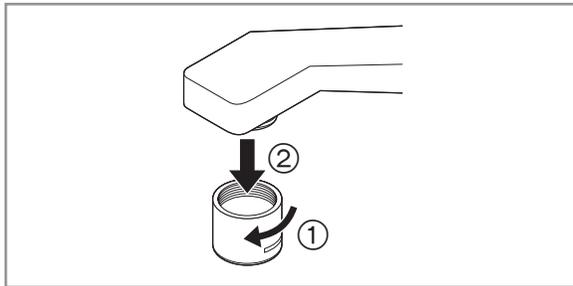


- For the hose mounting method, read "Connect the inlet hose to the branch tap connector" (P17).

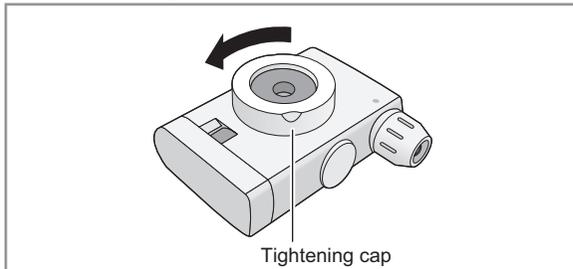
■ Faucet B (Type with external threads, revealed by removing the faucet aerator)

Faucet shape	Items to prepare	
 <p>Faucet aerator</p>	<ul style="list-style-type: none"> • Branch tap connector  <p>Tightening cap</p>	<ul style="list-style-type: none"> • Set B Faucet aerator adapter (For external screws)    <p>B-1 B-2 Common seal</p>

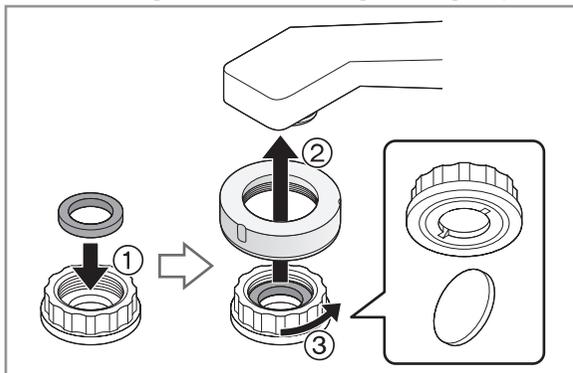
1 Remove the aerator from the end of the faucet.



2 Remove the tightening cap from the branch tap connector.



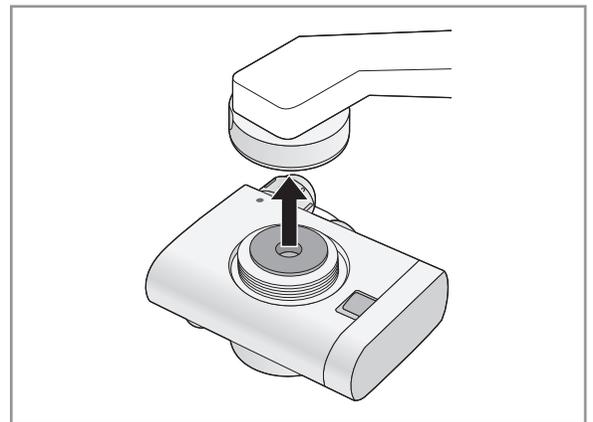
3 Set the common seal on the faucet aerator adapter (B-1) and attach it to the tip of the faucet together with the tightening cap.



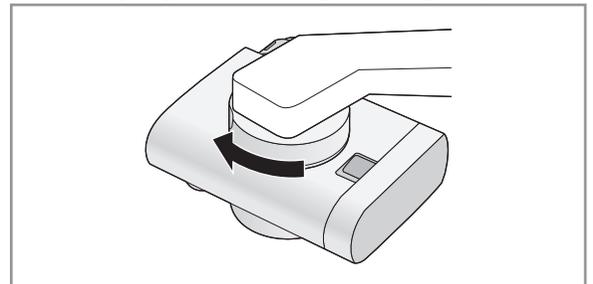
- Carefully note the orientation of the tightening cap to make sure it is correct.

- Tighten the faucet aerator adapter with a coin, etc.
- Use the common seal that fits the faucet.
- Attach with B-2 if you cannot attach with B-1.

4 Push the branch tap connector up onto the faucet to ensure proper contact with the seal.

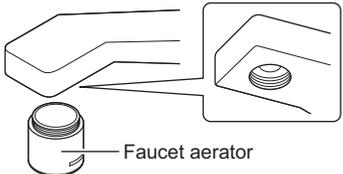
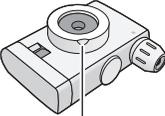
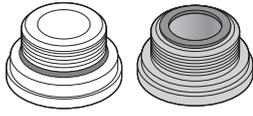


5 Firmly tighten the tightening cap.

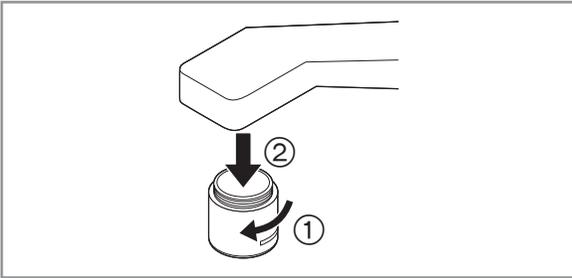


- For the hose mounting method, read “Connect the inlet hose to the branch tap connector” (P17).

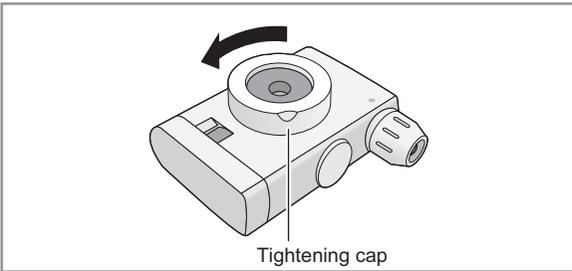
■ Faucet C (Type with internal threads, revealed by removing the faucet aerator)

Faucet shape	Items to prepare	
 <p>Faucet aerator</p>	<ul style="list-style-type: none"> • Branch tap connector  <p>Tightening cap</p>	<ul style="list-style-type: none"> • Set C Faucet aerator adapter (For internal screws)  <p>C-1 C-2</p>

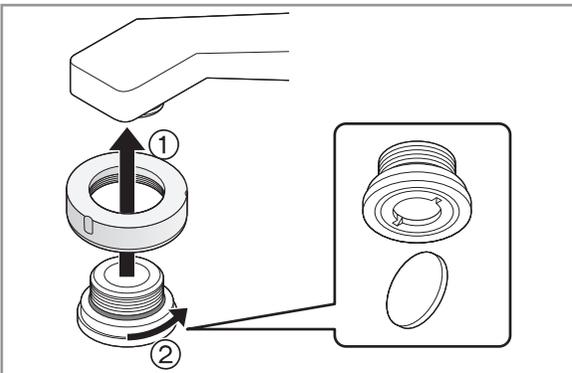
1 Remove the aerator from the end of the faucet.



2 Remove the tightening cap from the branch tap connector.



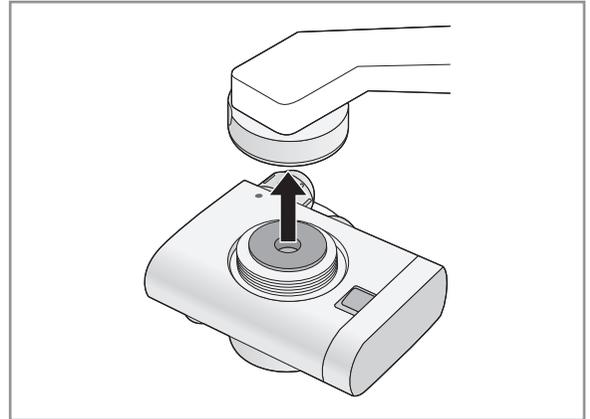
3 Attach the faucet aerator adapter (C-1) to the tip of the faucet together with the tightening cap.



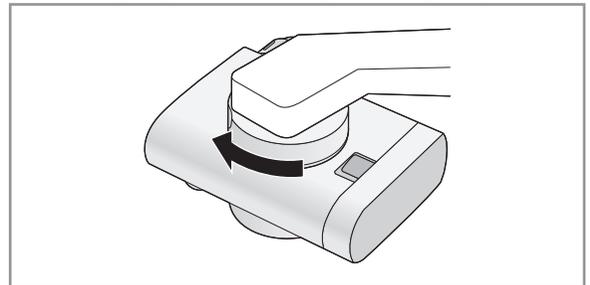
- Carefully note the orientation of the tightening cap to make sure it is correct.

- Tighten the faucet aerator adapter with a coin, etc.
- Attach with C-2 if you cannot attach with C-1.

4 Push the branch tap connector up onto the faucet to ensure proper contact with the seal.

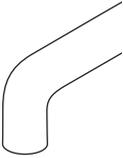
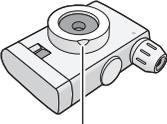
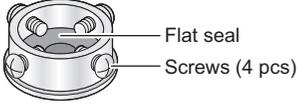


5 Firmly tighten the tightening cap.

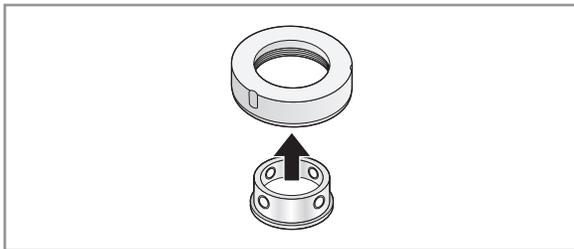


- For the hose mounting method, read "Connect the inlet hose to the branch tap connector" (P17).

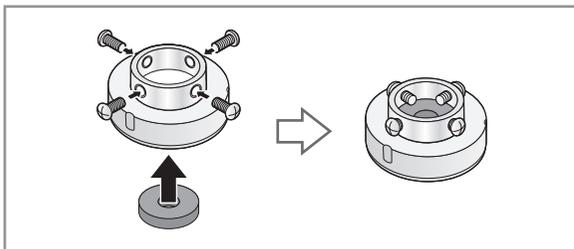
■ Faucet D (No flaring on the end type)

Faucet shape	Items to prepare	
	<ul style="list-style-type: none"> • Branch tap connector  <p>Tightening cap</p>	<ul style="list-style-type: none"> • Set D <ul style="list-style-type: none"> Screw-on faucet adapter  <ul style="list-style-type: none"> • Prepare a Phillips screwdriver.

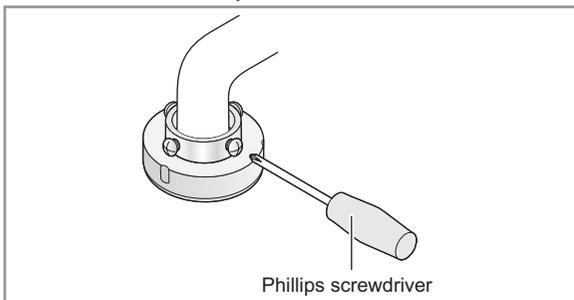
1 Remove the tightening cap from the branch tap connector and insert the screw-on faucet adapter (with the screw removed).



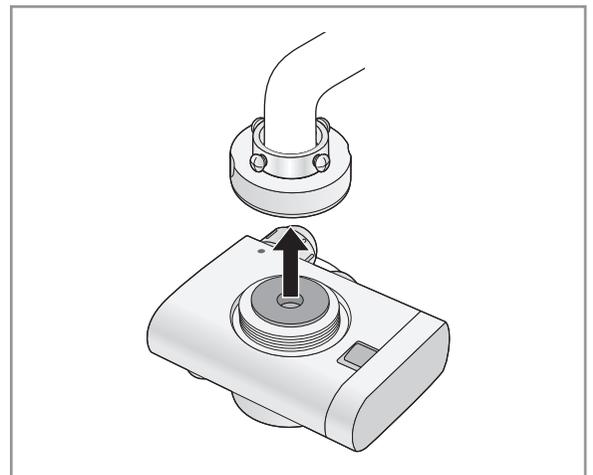
2 Snug tighten the four screws to the screw-on faucet adapter and insert the flat seal.



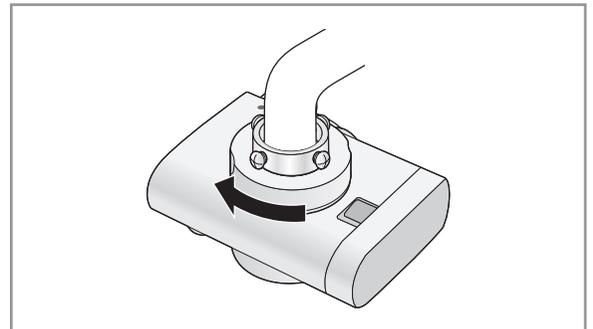
3 Secure with the screws so that the faucet is at the center of the screw-on faucet adapter



4 Push the branch tap connector up onto the faucet to ensure proper contact with the seal.



5 Firmly tighten the tightening cap.



- For the hose mounting method, read “Connect the inlet hose to the branch tap connector” (P17).

Installing the Unit

Check the following before installing.

- Be sure to read “Safety precautions” (P2 to 5) before installing.

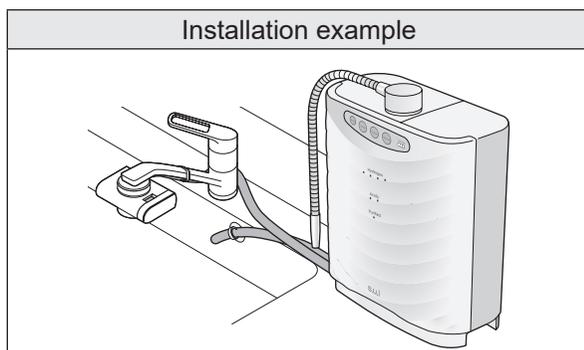
Do not install the unit in the following places.

- Close to flames or other high temperature areas (60 °C or higher)
- Locations with high humidity or dusty locations

Determine the installation location

Consider the installation location for the unit depending on the position of the faucet.

- This unit can be installed on either the left or right side of the faucet.
- Install the unit on a level and stable surface.



Remove the port cap

At the time of shipment, the ends of the water production pipe attachment section, inlet hose port, and drainage hose port of this unit are capped. Please remove them.

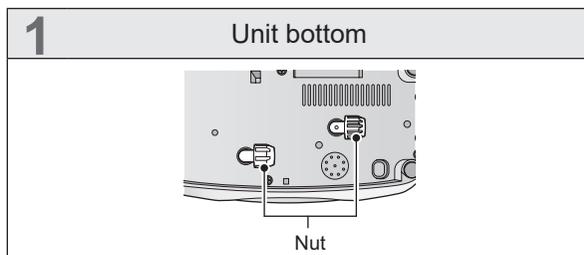
- Keep the removed caps out of the reach of children.

Connect the inlet hose and drainage hose to the unit

Attach the inlet hose and drainage hose to their respective ports at the bottom of this unit.

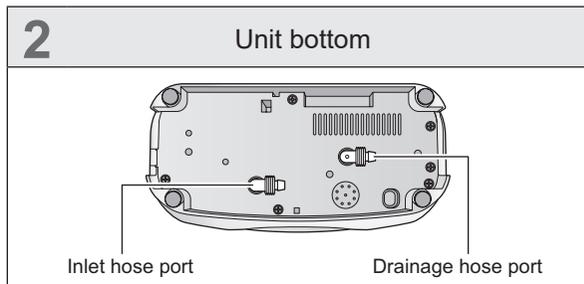
- The illustrations here show the case when the unit is installed on the left side of the faucet.

1 Remove the nuts attached to each hose port.



2 Check the hose port orientation.

- When installing the unit on the right side of the faucet, rotate the hose ports.



(Continued on next page)

3 Pass the nuts removed from the inlet hose port and the drainage hose port of this unit through the inlet hose (blue line) and drainage hose.

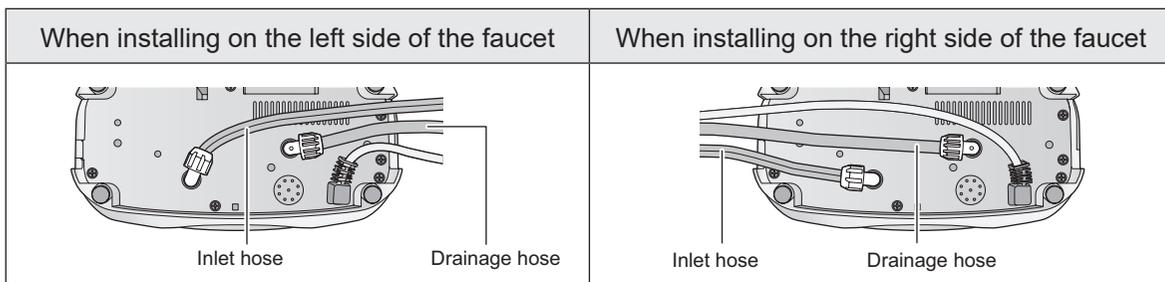
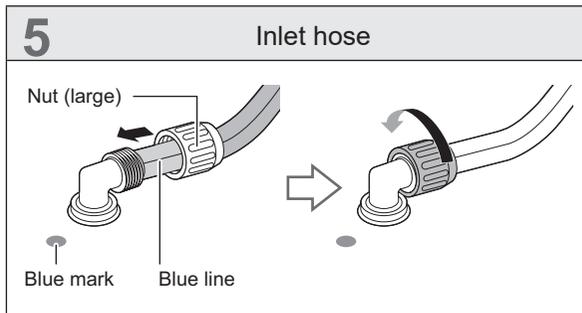
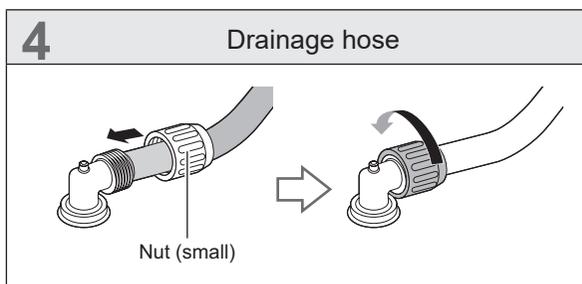
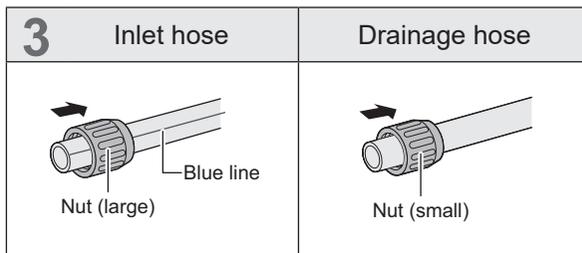
- Pass the nuts over the hoses in the correct orientation.
- There are two nut sizes.
Pass the large nut through the inlet hose (blue line). Pass the small nut through the drainage hose.

4 Securely connect the drainage hose to the drainage hose port and tighten the nut until it can no longer be turned.

- **Loose tightening may cause water leakage.**

5 Securely connect the inlet hose (blue line) to the inlet hose port (blue mark) and tighten the nut until it can no longer be turned.

- **Loose tightening may cause water leakage.**
- **Be sure to connect the inlet hose with the blue line to the inlet hose port with the blue mark on the unit. Connecting the hoses incorrectly may cause a malfunction.**

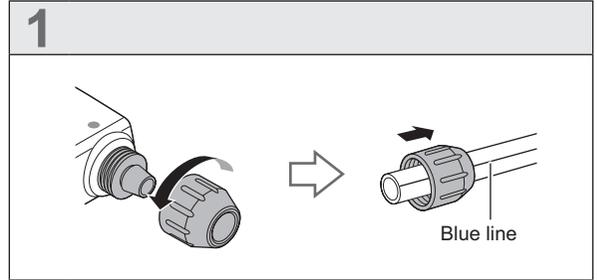


Connect the inlet hose to the branch tap connector

Connect the inlet hose (blue line) connected to this unit to the branch tap connector.

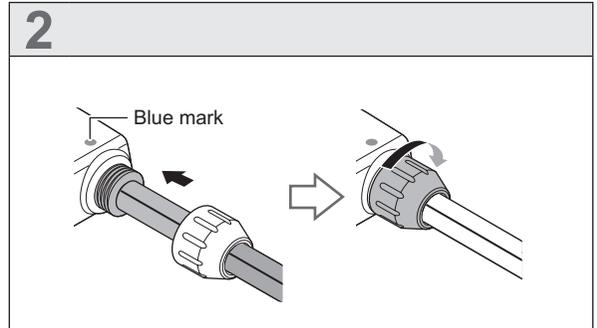
1 Remove the nut on the branch tap connector and pass the nut through the inlet hose.

- Pass the nut over the hose in the correct orientation.



2 Securely connect the inlet hose to the inlet hose connection (blue mark) and tighten the nut until it can no longer be turned.

- **Loose tightening may cause water leakage.**
- If the inlet hose is too long, cut it to the required length before connecting.

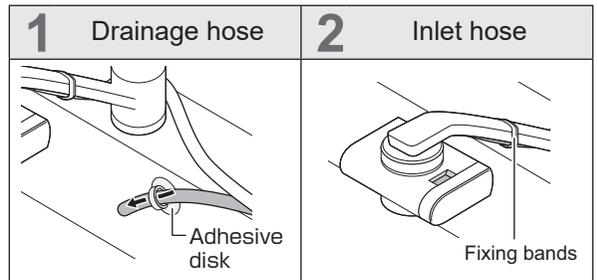


Secure the hoses

1 Pass the drainage hose through the adhesive disk (accessory) to secure it.

- If the drainage hose is too long, cut it to the required length before securing it.

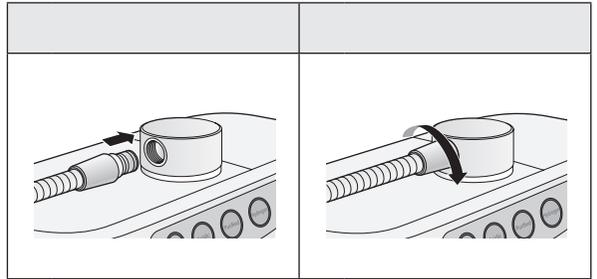
2 Secure the inlet hose and faucet with the fixing bands (accessory).



Install the water production pipe

Insert the water production pipe into the water production pipe attachment section, and screw it in.

- **Loose tightening may cause water leakage.**



Connect the power cord

After connecting the hoses, connect the power cord.

Checks after installation

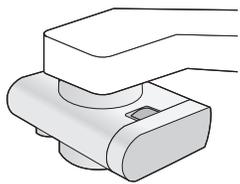
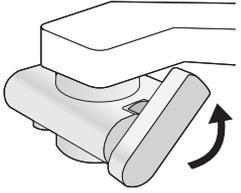
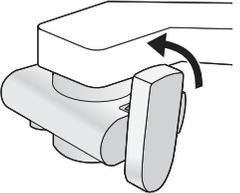
Check the following after installation.

- Are the inlet hose and drainage hose connected correctly?
- Are the inlet hose, drainage hose, and power cord securely attached to prevent them from coming loose easily?
- Are any of the hoses bent, crushed, or scratched?
- Does the power cord pass near a hot area such as a stove?
- Do all the switches operate normally? (P19)
- Is the water purification cartridge properly installed and locked? (P30)
- **Check the checklist before using processed water. (P39)**

About the branch tap connector

You can switch between “Raw”, “”, and “On” by turning the switching lever.

- To use tap water, switch to “Raw” or “.
- To use processed water (hydrogen water/purified water/acidic water), switch to “On”.

	When using tap water		When using processed water
Switching lever			
Switching display	Raw		On

Notice

- When using processed water, the warning valve is activated in the following cases, and water comes out of the branch tap connector accompanied by a warning sound.
 - High water pressure is applied to the unit
 - One or more of the hoses is bent
 - One or more of the hoses is not connected properly
 - The water purification cartridge is clogged

Switches and the Display

Switches

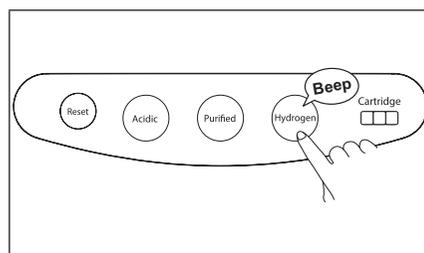
By operating the switch, you can change the processed water mode and level settings, and reset the usage status of the water purification cartridge. Also, the display provides information such as the level of processed water and the remaining amount of the water purification cartridge.

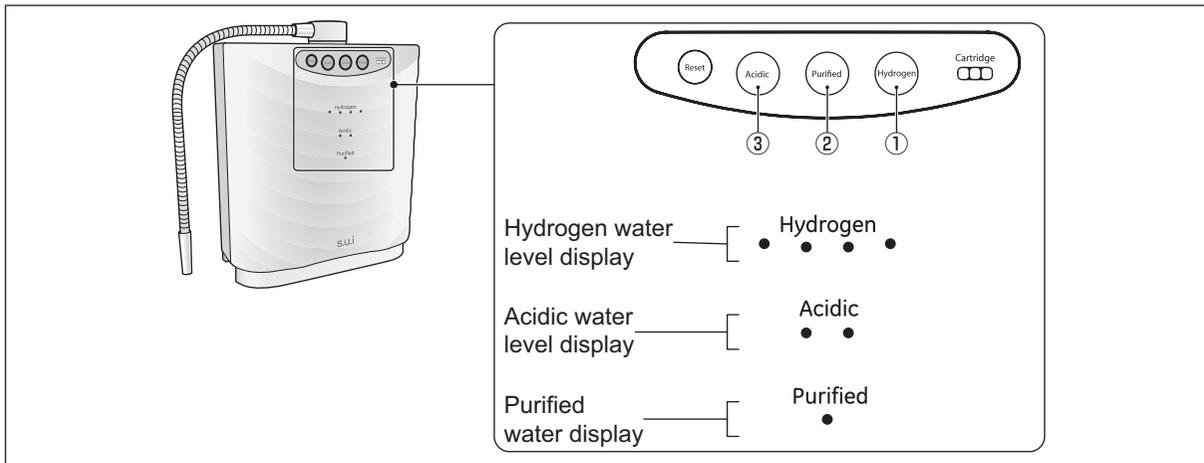
■ Touch

Press and release the switch

- A beep sounds when you touch the switch.
- When in the power saving standby state, if you operate any of the switches, the display lights up and the unit exits the standby state.

After exiting, the unit returns to the same mode and level as when it entered the standby state.





Processed water mode

Switch	Processed water mode	Level	Usage	pH guide*	Level display	
① Hydrogen water switch	Hydrogen water mode	4	Cooking	pH 10.5 ↕ pH 7.5	● ● ● ●	Lights yellow
		3	Drinking		● ● ● ○	Lights blue
		2	Drinking		● ● ○ ○	
		1	Drinking		● ○ ○ ○	
② Purified water switch	Purified water mode		Drinking	No electrolysis	●	Lights green
③ Acidic water switch	Acidic water mode	1	Washing your face	● ○	Lights orange	
		2	Washing	● ●		

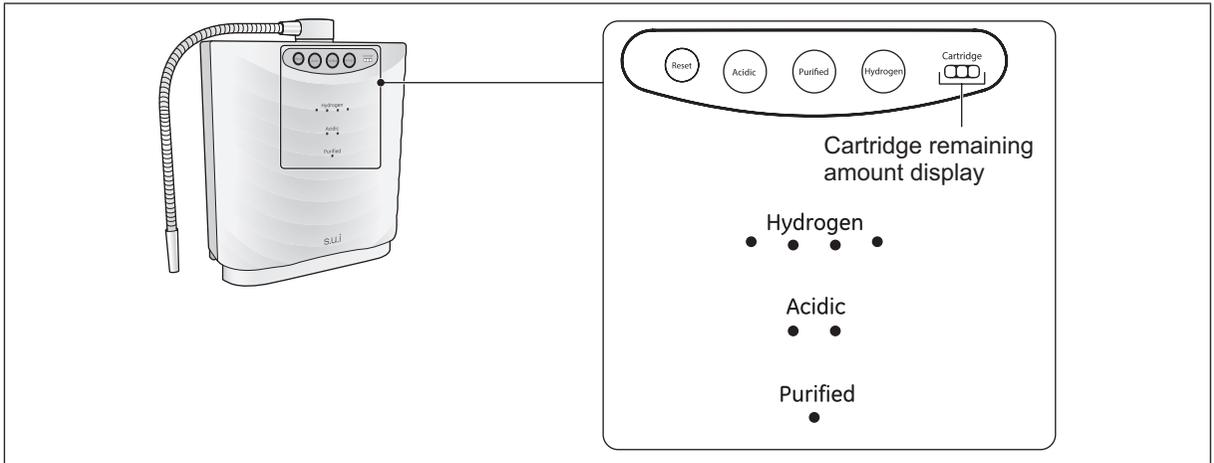
Hydrogen water mode	Purified water mode	Acidic water mode
<p>Processed water lamp (Lights blue)</p>	<p>Processed water lamp (Lights green)</p>	<p>Processed water lamp (Lights orange)</p>

* The pH value is only an estimate and varies depending on the water quality (region, season, water temperature) and the amount of water processed by the unit.

pH 7 is neutral, values greater than pH 7 are alkaline, and values smaller than pH 7 are acidic.

Notice

- The range for drinking water is hydrogen water with a level not exceeding pH 10 in hydrogen water mode and purified water.
- Measure the pH at least once a month (P25) to check whether the hydrogen water is within the pH standard.
- Drink hydrogen water in the range of 500 ml to 1,000 ml per day at level 3.
- The processed water mode cannot be switched while water is flowing through the unit.



Cartridge remaining amount display

The cartridge remaining amount display displays the amount of processed water used or the time since the start of use, whichever comes first.

The cartridge remaining amount display will notify you when it is nearly time to replace the water purification cartridge.

- “Processed water” is a general term for electrolyzed hydrogen water, acidic water, and purified water, which is water that has passed through a water purification cartridge.
- Estimated periods for replacing the water purification cartridge (P29)
- Specifications of water purification cartridge (P37)

Display that appears until the water purification cartridge is replaced

Cartridge remaining amount display	Usage amount of processed water* ¹	Cartridge usage period
(white)	Less than 5,000 liters	Less than 6 months
(white)	5,000 liters or more	6 months or more
(white)	7,500 liters or more	9 months or more
(yellow) ^{*2}	Less than 400 liters remaining	Less than 14 days remaining
(red) ^{*3}	10,000 liters or more	12 months or more

*1 The usage amount of processed water is the sum of the amount of water taken from the water production pipe and the amount of water discharged from the drainage hose.

*2 It is almost time to replace the water purification cartridge. Please prepare a replacement water purification cartridge (sold separately). (P38)

*3 Replace the water purification cartridge with a new one.

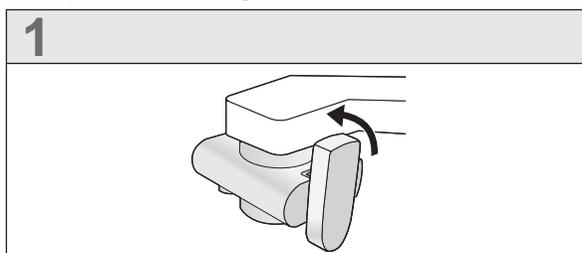
Using Processed Water

Using hydrogen water/purified water/acidic water

Check the following before use.

- Be sure to read “Safety precautions” (P2 to 5) and “Important Notice” (P6).
- When using processed water for the first time, process water through the unit at acidic water mode level 2 for about 5 minutes. (P24)
- When starting to use hydrogen water/purified water every day, process water through the unit at acidic water mode level 2 to replace the water remaining inside the unit. This will reduce the adhesion of calcium. (P24)
- When using hydrogen water for the first time, measure the pH with the included pH measurement kit before drinking. Continue to measure the pH regularly after that. (At least once a month) (P25)
- Do not drink acidic water or hydrogen water with a pH of 10 or higher.

- 1 Turn the branch tap connector switching lever to switch to “On” (P19)



- 2 Touch the switch to switch the processed water mode according to the usage. (P20)

- 3 Switch the level.

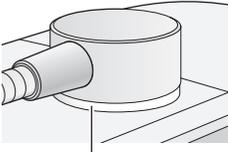
(When switching to hydrogen water mode/acidic water mode)

The level changes each time the switch of the selected processed water mode is touched.

	Level	Level display	Usage example	pH guide	Operation of processed water lamp (When water is flowing)
Hydrogen water mode	4	● ● ● ●	Cooking, boiling food, soaking food to remove astringency, etc.	pH 10.5 ↑ ↓ pH 7.5	Fast ↑ ↓ Slow
	3	● ● ● ○	Drinking, coffee, tea, green tea, hot pots, soup, etc.		
	2	● ● ○ ○	Drinking, when cooking rice		
	1	● ○ ○ ○	Drinking, when drinking for the first time		
Acidic water mode	1	● ○	Washing your face (slightly acidic close to the skin's pH value)		Lights orange
	2	● ●	Water for washing dishes, etc.		

4 Open the faucet to allow water to come out.

- Processed water comes out of the water production pipe.



Processed water lamp

Hydrogen water mode	Purified water mode	Acidic water mode
<ul style="list-style-type: none">● When stable electrolyzed hydrogen water starts to come out, the processed water lamp rotates.● The higher the hydrogen concentration, the faster the processed water lamp rotates.● The buzzer is not activated.	<ul style="list-style-type: none">● Stable purified water comes out after 2 to 3 seconds.● The buzzer is not activated.	<ul style="list-style-type: none">● When stable acidic water begins to come out, the buzzer sounds (two short beeps repeatedly).

- Hydrogen water and acidic water are only generated when the amount of water flowing to the unit is 1 liter per minute or more.
- If water flows through the unit continuously for 8 minutes or more, the level display blinks and the level may drop. Stop the water and wait for a few minutes. The unit will return to its previous state.
- If you continue to run water in the electrolyzed hydrogen water mode and acidic water mode for 20 minutes, the processed water lamp flashes alternately yellow and blue to notify you of the state. When you stop the water, the valve rotates to clean the electrolytic cell. You can then continue using it.

5 Close the faucet to stop the water.

- The buzzer stops.
- After about 5 seconds, all displays turn off and the unit enters the power saving standby state.
- You may hear the sound of the valve turning when the water is stopped.

Notice

Hydrogen water mode

- Drink hydrogen water in the range of 500 ml to 1,000 ml per day.
- Drink generated water as soon as possible after generating it. Also, if you want to store hydrogen water, store it in the refrigerator in a sealed container such as a clean plastic bottle and drink it within 2 days.
- The hydrogen contained in hydrogen water will gradually decrease over time, so please use it as quickly as possible.
- When using hydrogen water to make ice, follow the instruction manual for your refrigerator or ice maker.
- Use purified water not hydrogen water for the water when taking medicine or for infants' milk.

Purified water mode

- Purified water is filtered water that contains fewer impurities. This water is not electrolyzed.
- Drink generated water as soon as possible after generating it. Also, if you want to store purified water, store it in the refrigerator in a sealed container such as a clean plastic bottle and drink it within 2 days.

Acidic water mode

- When storing acidic water, store it in a closed container such as a clean plastic bottle and use it within 2 days.
Acidic water cannot be drunk. So, affix a label when storing it so that it is not drunk by mistake.
- At the start of daily use and when you will not use the unit for 6 hours or more before going to bed, replace the water remaining inside the unit, press the acidic water switch to switch to acidic water mode level 2 and process water. This will reduce the adhesion of calcium.
The estimated time for water processing is as follows.

When you will not use the unit for 6 hours or more or before going to bed	Approx. five seconds (Approx. 250 mL)
When starting to use everyday	Approx. 30 seconds (Approx. 1.5 L)
When not used for 1 day	Approx. one minute (Approx. 3 L)
When not used for more than 2 days	Approx. three minutes (Approx. 9 L)
When not used for 1 week	Approx. five minutes (Approx. 15 L)
When using the unit for the first time or replacing the water purification cartridge	Approx. five minutes (Approx. 15 L)

* In areas with high water hardness, in addition to the water processing shown in the table on the left, process in acidic water mode for 30 seconds to 1 minute before going to bed. This will prevent malfunctions caused by calcium clogging.

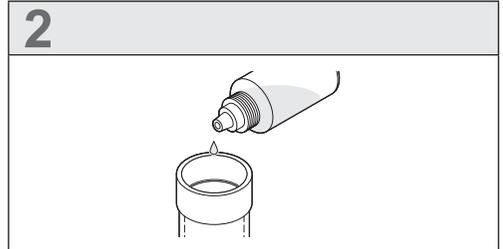
* It is recommended that you replace the water purification cartridge when the unit has not been used for over a month.

Measuring and adjusting the pH of hydrogen water

■ Measuring the pH concentration of hydrogen water

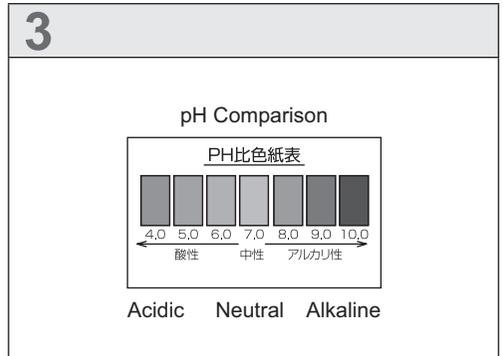
pH varies depending on the area where you live. So, when using hydrogen water for the first time, measure the pH with the included pH measurement kit before drinking. Continue to measure the pH regularly after that. (At least once a month)

- 1 Place hydrogen water in the dedicated cup up to 80% full.
- 2 Drop one drop of pH measurement solution into the dedicated cup.



- 3 Compare the discolored hydrogen water with the PH color chart.

- The pH color chart is a measure of pH.
- Check that the pH color chart shows the color between 9.0 and 10.0. If it is out of this range, adjust it referring to the procedure “Adjusting the pH of hydrogen water” (P26).
- If you are drinking hydrogen water for the first time, drink a small amount at hydrogen water level 1.



Notice

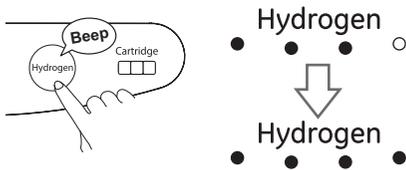
	<p>Do not drink water with a pH of 10 or higher.</p> <ul style="list-style-type: none">• The pH value varies depending on the water quality (region, season, water temperature) and the amount of water processed by the unit. <p>When drinking hydrogen water, measure the pH at the start of use and at least once a month, and make sure that the measurement results are within the recommended range.</p>
	<p>Do not put the pH measurement solution in your eyes or drink it. (P4)</p> <p>Always close the lid of the pH measurement solution and keep out of the reach of children. Also, keep away from fire.</p>
	<p>Do not drink the hydrogen water used for pH measurement.</p>
	<p>When the water purification cartridge is new, the pH concentration may temporarily be higher, but this is not a fault. Check the pH again after about one week.</p>

(Continued on next page)

■ Adjusting the pH of hydrogen water

If the pH value is too low.

Raise the hydrogen water mode level.



Touch the hydrogen water switch.

Touch to switch in the order of 1 → 2 → 3 → 4 → 1.



Still too low

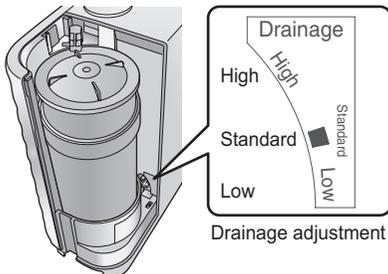
Turn the faucet to reduce the water flow.



Still too low

Raise the drainage adjustment lever to increase the drainage volume.

The drainage adjustment lever is located in the cartridge housing of the unit. (See the figure below)



Drainage adjustment lever

Adjust the drainage volume.

Raising the lever increases the drainage volume, lowering the lever decreases it.

*This will already have been adjusted at the time of shipment. Do not move it unless necessary.

*Reducing the drainage volume from the standard may affect the taste of the electrolyzed hydrogen water.

Cross-line

When hydrogen water/acidic water is generated, electrolysis is performed and minerals contained in the water adhere to the electrodes. This reduces the electrolytic capacity.

In order to enable hydrogen water/acidic water with stable water quality to be used for a long period of time, this unit adopts the "Double auto-change cross-line system". Under this system, the electrode polarity and the water channel valve are periodically switched to maintain electrolytic capacity.

Valve operating conditions	Valve operating time
After passing water 3 times in hydrogen water mode/acidic water mode	About 5 seconds or
After passing water continuously for 20 minutes in hydrogen water mode/acidic water mode	about 12 seconds
When switching to purified water mode from hydrogen water mode/acidic water mode	About 3 seconds
When switching to hydrogen water mode/acidic water mode from purified water mode	

Notice

- If water is passed through the unit while the valve is operating, the processed water lamp may flash alternately yellow and blue. (P32)

About maintenance

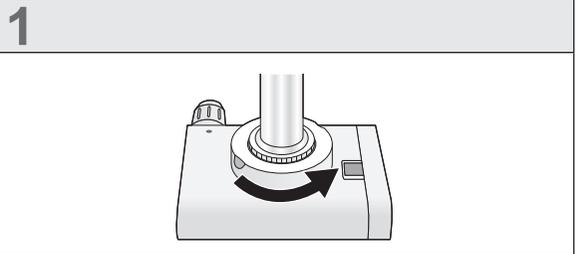
- To clean the unit, wipe it with a soft dry cloth. Do not splash water on the unit or wash it.
- Do not use detergents, bleaches, alcohol, cleansers, benzene, thinners or insecticides.
- The branch tap connector and hoses are consumable items. It is recommended to replace them approximately every 3 years. (P38)

Cleaning the branch tap connector

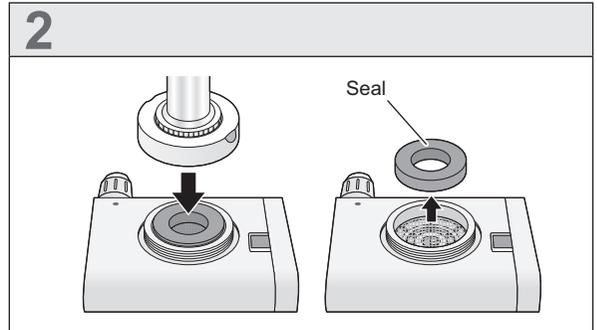
Please clean the branch tap connector on a regular basis. (About once every 3 months)

1 Loosen the tightening cap.

- Hold the branch tap connector so that it does not move.

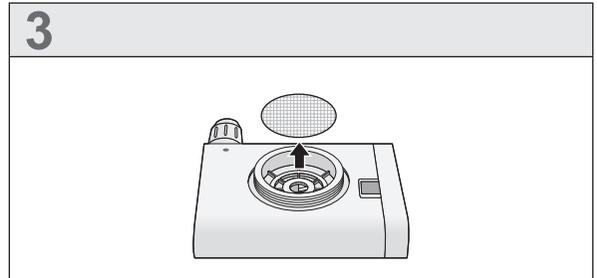


2 Remove the branch tap connector and seal from the faucet.



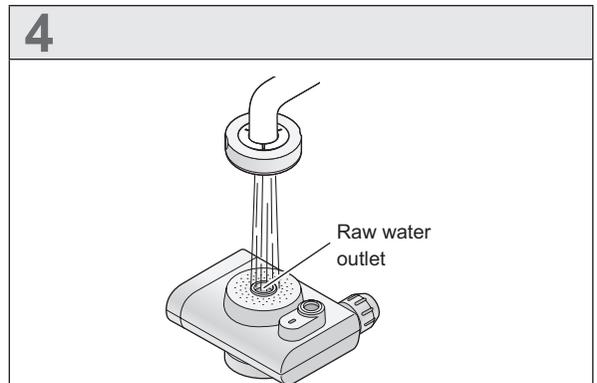
3 Remove the mesh part (metal mesh) and clean it with a brush, etc.

- Be careful not to drop it in the sink as you may misplace it.



4 Turn the branch tap connector upside down and run water through the raw water outlet to wash off dirt, etc.

- After cleaning the branch tap connector, reattach the mesh and seal and attach it to the faucet.



Replacing the hoses

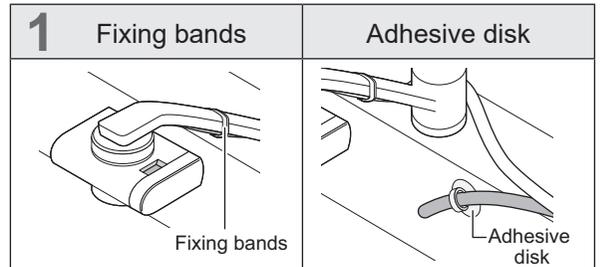
If the inlet hose or drainage hose is worn out, replace it.

- Please prepare a replacement hose set (sold separately). (P38)

■ Remove the hose

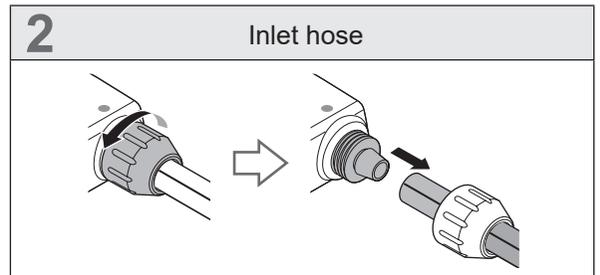
1 Remove the fixing bands and adhesive disk.

- Cut the fixing bands with scissors, etc.



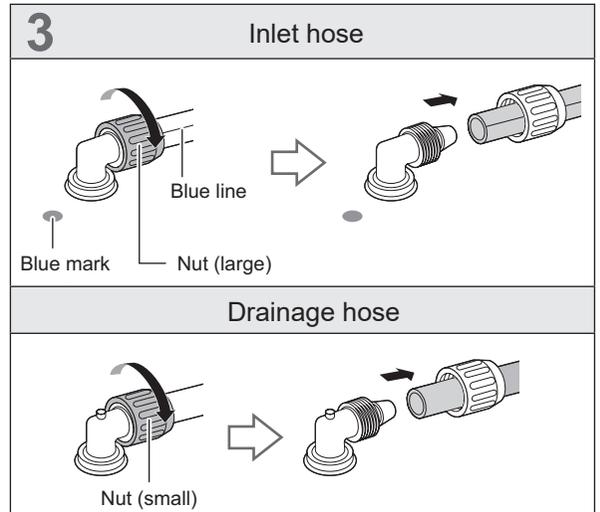
2 Pull out the inlet hose from the branch tap connector.

- Loosen the nut on the branch tap connector and remove the inlet hose.



3 Remove the inlet hose and drainage hose from the unit.

- Loosen the nuts on the inlet hose port and drainage hose port on the bottom of the unit, and remove the hose.
- There are two nut sizes.
- It is easier to pull out the hoses if you bend and pull the hose connections.



■ Attach new hoses to the unit

Attach the inlet hose and drainage hose to their respective ports at the bottom of this unit.

1 Connect the inlet hose and drainage hose to the unit. (P15)

2 Connect the inlet hose to the branch tap connector and secure the hose. (P17)

- Use the fixing bands and adhesive disk included with the replacement hoses accessory.

Notice

- If you have any problems when replacing the hose, please contact your dealer.

Replacing the Water Purification Cartridge

- The name of the water purification cartridge used for replacement is Premium Micro Carbon IMA Cartridge. (P38)

The estimated periods for replacing the water purification cartridge are as follows. If any of the following periods apply, replace the water purification cartridge.

① Usage period: approx. 12 months (When using 27 liters per day)	② Usage amount of processed water 10,000 liters* ¹	③ The water flow rate of the processed water is extremely low.* ²	④ Has not been used for more than one month.* ³
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- “Processed water” is a general term for electrolyzed hydrogen water, acidic water, and purified water, which is water that has passed through a water purification cartridge.

*1 The usage amount of processed water is the sum of the amount of water taken from the water production pipe and the amount of water discharged from the drainage hose.

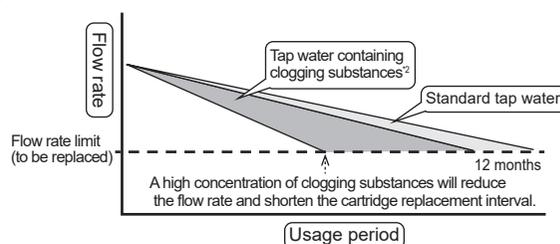
When it is nearly time to replace the water purification cartridge, whichever is earlier, the estimated value of ① or ②, it will be shown on the cartridge remaining amount display. Please prepare a replacement water purification cartridge (sold separately). (P38)

After that, if 12 months have passed or usage exceeds 10,000 liters, the cartridge remaining amount display will light up red and a buzzer will activate to notify you. Replace the cartridge promptly within two weeks.

(For the cartridge remaining amount display, see P21)

*2 Depending on the water quality, the water flow rate may decrease to the limit value significantly sooner, which may make replacement necessary.

(Right table) If the tap water contains a high concentration of clogging substances (such as turbidity or iron rust), the water flow may be significantly reduced. In such cases, the warning valve of the branch tap connector may activate, causing water to discharge along with a warning sound. (P19)



*3 If the processed water has not been used for more than a month, the free residual chlorine in the electrolyzed hydrogen water and purified water remaining in the main body will have been removed, which may cause the water in the water purification cartridge to deteriorate, for example, making it easier for general bacteria to grow, so we recommend that you replace the water purification cartridge with a new one.

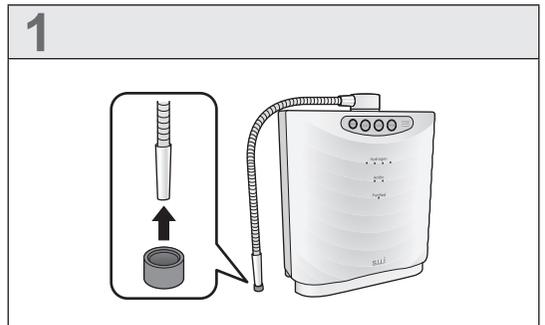
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■ Replacing the Water Purification Cartridge

- When replacing the water purification cartridge, do not unplug the power plug from the outlet. (The system is not reset even after the replacement, and the new water purification cartridge may not be usable.)

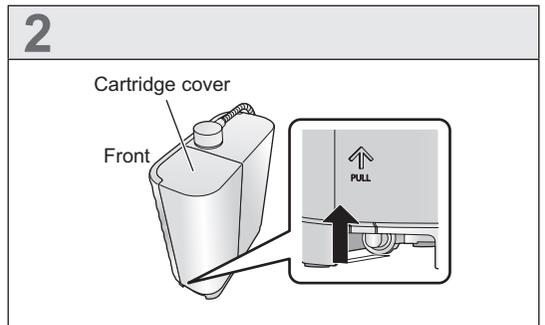
1 Close the faucet and attach the cap to the water production pipe.

- Attach the cap included with the water purification cartridge (sold separately) to the water production pipe.
- Do not pass water during water purification cartridge replacement.



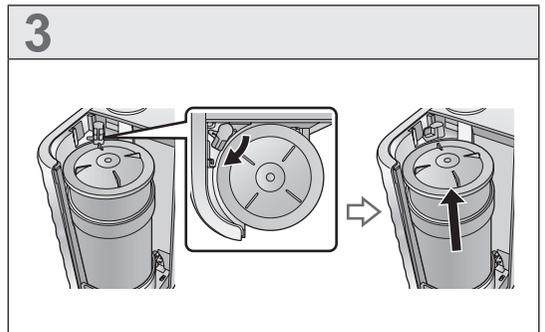
2 Remove the cartridge cover.

- Before replacing the water purification cartridge, please read the precautions in P31 "Notice".
- Insert your hand under the cartridge cover and hook your finger inside. Then, pull it toward you, creating a space between the main body.



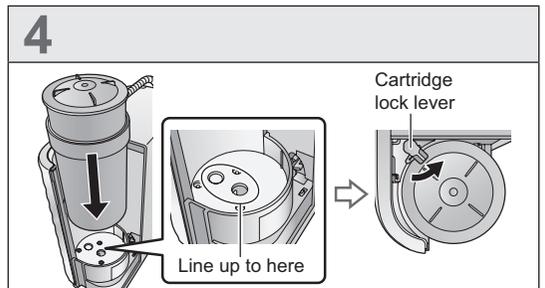
3 Turn the cartridge lock lever to unlock it and remove the water purification cartridge.

- Remove the water purification cartridge while holding the unit so that it does not fall over.
- Water will come out when you remove the water purification cartridge, so wipe it with a dry cloth, etc.



4 Install a new water purification cartridge and turn the cartridge lock lever to lock it.

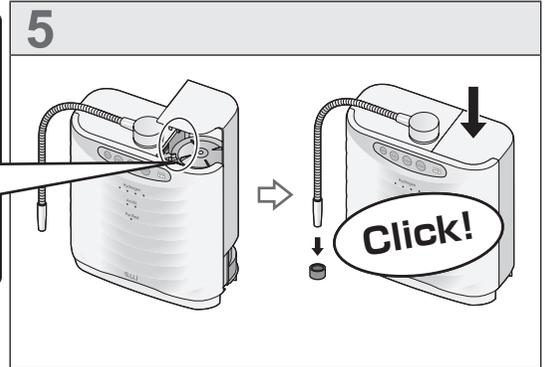
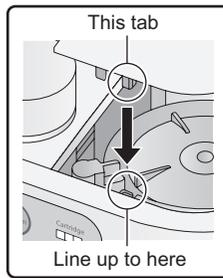
- Align the water purification cartridge with the hole in the cartridge mounting part to install it.
- The cartridge cover cannot be installed properly unless the cartridge lock lever is fully locked.



5 Install the cartridge cover and remove the cap from the water production pipe.

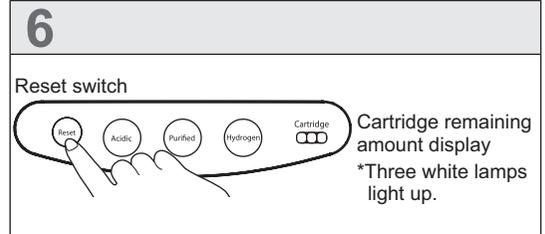
- Push the cartridge cover in until you hear a “click!” sound.

* If it is difficult to install it, check that the cartridge cover tab is correctly fitted to the main body.



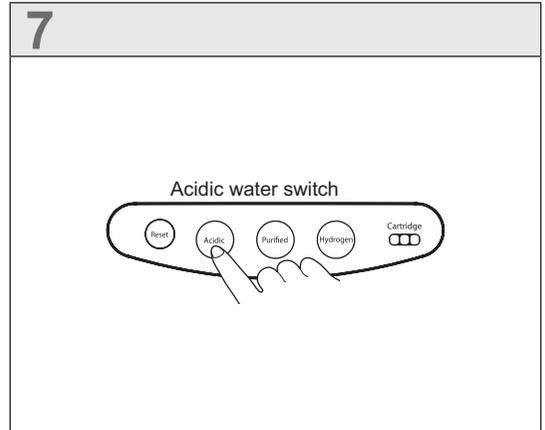
6 Press and hold the Reset switch.

- Press and hold the Reset switch (for about four seconds).
- After you press and hold the Reset switch, three white lamps light up on the cartridge remaining amount display.



7 Touch the Acidic water switch to switch the acidic water mode to level 2, then open the faucet and let the water flow

- Pass water through the unit for about 5 minutes to complete the replacement.
- * A beep sound will be emitted when acidic water is flowing. There is no indicator to signal the completion of acidic water flow. After five minutes, stop the water flow and switch the mode to your preferred processed water mode before use.



Notice

	Do not run the water through the unit or unplug the power cord from the outlet while replacing the water purification cartridge. Doing so may cause a malfunction.
	Precautions when removing the water purification cartridge
	<ul style="list-style-type: none"> • Note that water will come out when you remove the water purification cartridge. If the unit gets wet, it may cause a short circuit, electric shock, or malfunction. If you accidentally splash water on the unit, wipe it off quickly with a dry cloth.
	<p>Insufficient locking of the cartridge lock lever may cause water leakage.</p> <p>Do not disassemble the water purification cartridge. Doing so may cause water leakage.</p>

* After replacing the water purification cartridge, measure the pH concentration before use. (P25)

* When the water purification cartridge is new, the pH concentration may temporarily be higher, but this is not a fault. Check the pH again after about one week.

About notifications

Users are notified by the beeping sound emitted by the buzzer and the processed water lamps.

Processed water lamp	Items to check	Frequency of notifications
Blinking yellow	<ul style="list-style-type: none"> The last indicator of the cartridge remaining amount display lights up yellow. (P21) Please prepare a replacement water purification cartridge (sold separately). (P38) 	Two notifications are given when water is passed through the unit. (Only once a day)
	<ul style="list-style-type: none"> The last indicator of the cartridge remaining amount display lights up red. (P21) The cartridge is exhausted. Please replace the water purification cartridge. (P29) 	
	<ul style="list-style-type: none"> Reduce the inflow volume to 5 liters or less per minute. 	
Alternate flashing yellow and blue	<ul style="list-style-type: none"> A notification is given after continuous use for about 20 minutes. In this case, close the faucet completely before using the unit again. 	When the inflow volume into the unit is too high, repeated notifications are given until the inflow volume is reduced.
	<ul style="list-style-type: none"> If water is passed through the unit while the valve is operating, the processed water lamp may flash alternately yellow and blue. 	
Alternate flashing yellow and green	<ul style="list-style-type: none"> The temperature inside the unit has risen and the overheat prevention device was activated. Please wait for approximately 5 minutes until the temperature drops. Purified water can be used. 	Two notifications are given when the safety device is activated.
Flashing red	<ul style="list-style-type: none"> The electrolysis time has reached about 2,000 hours, which is the limit for the electrode. Stop using the unit and consult your dealer. 	Two notifications are given when water is passed through the unit. (Only once a day)
	<ul style="list-style-type: none"> The unit may be defective. Stop using the unit and consult your dealer. Unplug the power plug. 	When an error occurs, repeated notifications are given until you unplug the power plug.

Troubleshooting

When the solution does not improve the problem

Unplug the power plug from the outlet, and plug it in again after 15 seconds.
If the same symptoms occur, contact your dealer.

If you believe the unit has malfunctioned, check the following before requesting service.
Do not try to disassemble or repair yourself.

	Problem	Items to check
Lamps	The processed water lamp does not light up.	<ul style="list-style-type: none"> Does it fail to light up even if you touch the switch? <ul style="list-style-type: none"> To save power, the display automatically turns off when not in use. (P23 power saving standby state) If hydrogen water or acidic water is produced continuously for 2 hours without operation, electrolysis is automatically stopped and the display turns off. Is the power plug unplugged? <ul style="list-style-type: none"> Plug the power plug into an outlet.
	The cartridge remaining amount display lights up red even after the water purification cartridge has been replaced.	<ul style="list-style-type: none"> Did you press and hold the Reset switch? (P31) <ul style="list-style-type: none"> After replacing the water purification cartridge, press and hold the Reset switch.
	The processed water lamp rotates and stops repeatedly while hydrogen water is being used.	<ul style="list-style-type: none"> Open the faucet and increase the inflow to the unit. (1 liter or more per minute) <ul style="list-style-type: none"> The processed water lamp may stop rotating if the water faucet is turned too hard or the flow rate decreases due to changes in water pressure.
	The processed water lamp flashes yellow while water is flowing through the unit.	<ul style="list-style-type: none"> The cartridge must be replaced soon. Check the cartridge remaining amount display. (P21)
	The processed water lamp lights up or the level changes automatically.	<ul style="list-style-type: none"> Due to the nature of the touch switch, it may react when water is applied to the touch switch.
Processed water	Water won't flow, or the water flow is weak.	<ul style="list-style-type: none"> Is the faucet closed too much? <ul style="list-style-type: none"> Open the faucet and increase the inflow to the unit. Are any of the hoses bent or crushed? <ul style="list-style-type: none"> Straighten the hose. Are the hoses connected correctly? <ul style="list-style-type: none"> Check the connection. (P15 to 18) Is the branch tap connector clogged? <ul style="list-style-type: none"> Clean the branch tap connector. (P27) Has the water supply been stopped or is it frozen? <ul style="list-style-type: none"> Wait until water becomes available. <p>If the above measures do not improve the problem, the water clogged with calcium. Please consult your dealer.</p>

(Continued on next page)

		Problem	Items to check
Processed water		The hydrogen water pH is low.	<ul style="list-style-type: none"> • Is the drainage hose bent or crushed? <ul style="list-style-type: none"> • Straighten the hose. • Is the drainage hose positioned higher than the unit? <ul style="list-style-type: none"> • Secure it with the adhesive disk at a position lower than the unit. • Is the hydrogen water level low? <ul style="list-style-type: none"> • Adjust the pH of the hydrogen water. (P26) * Depending on the water quality, it may not be possible to adjust the pH. Please consult your dealer.
		The water has an unpleasant taste or smell	<ul style="list-style-type: none"> • Did you remove the water remaining in the unit before using it? <ul style="list-style-type: none"> • Process water in acidic water mode. (P6) • Are the hoses connected correctly? <ul style="list-style-type: none"> • Check the connection. (P15 to 18) • The pH of the hydrogen water may be too high. <ul style="list-style-type: none"> • Measure the pH and adjust it. (P25) • The purification capacity of the water purification cartridge has decreased. <ul style="list-style-type: none"> • Please replace the water purification cartridge. (P29) * When you replace the water purification cartridge with a new one, the taste may change. Be sure to process water for 5 minutes in acidic water mode. (P24) • Have you lowered the drainage adjustment lever to reduce the drainage volume? <ul style="list-style-type: none"> • Set the drainage adjustment lever to the standard position. (P26)
		White matter may float in the hydrogen water or white deposits may be attached to pots, etc. containing hydrogen water	<ul style="list-style-type: none"> • This is the calcium contained in the hydrogen water. There is no problem with drinking this water, but if you are worried, please lower the level. (P26)
		There are white foam in the hydrogen water	<ul style="list-style-type: none"> • This is hydrogen generated by electrolysis. These bubbles will disappear if left for a while, but they are harmless and the water can be used as it is.
Others		Water leaks from the unit.	<ul style="list-style-type: none"> • Are any of the hose connections to the unit loose? <ul style="list-style-type: none"> • Check the connection. (P15) • Is the branch tap connector clogged? <ul style="list-style-type: none"> • Clean the branch tap connector. (P27) • Is the water purification cartridge properly installed? <ul style="list-style-type: none"> • Check the installation condition. (P30)
		Water comes out from the branch tap connector with an abnormal noise	<ul style="list-style-type: none"> • If high water pressure is applied to the unit, the branch tap connector warning valve is activated. (P19)
		Water leaks from around the branch tap connector.	<ul style="list-style-type: none"> • Is the connection to the branch tap connector loose? <ul style="list-style-type: none"> • Check the installation condition. (P11 to 14,17) • Is the branch tap connector clogged? <ul style="list-style-type: none"> • Clean the branch tap connector. (P27)
		When the water purification cartridge is replaced, water comes out of the unit.	<ul style="list-style-type: none"> • Water remaining in the unit will come out. <ul style="list-style-type: none"> • This is not a fault. Wipe off with a dry cloth.
		Water comes out from the drainage hose even after stopping the water.	<ul style="list-style-type: none"> • Water remaining in the unit will come out. <ul style="list-style-type: none"> • This is not a fault.
		The unit makes a noise when the water flow to it is stopped.	<ul style="list-style-type: none"> • The valve makes a noise when it turns to clean the electrolyzer. (P26) <ul style="list-style-type: none"> • This is not a fault.
		The unit makes a noise when switching the processed water mode.	<ul style="list-style-type: none"> • The valve makes a noise when it turns to switch the internal water channel. (P26) <ul style="list-style-type: none"> • This is not a fault.

■ Frequently Asked Questions (FAQ)

Q (Question)	A (Answer)
Why does the hydrogen water pH not increase even on level 4?	If the inflow volume to the unit is reduced by closing the faucet a little, the pH of the hydrogen water will increase. (P26)
The branch tap connector has been set to “On” and water is routed into the unit, however, no processed water is discharged.	Electrolysis will not be performed and no processed water will be generated if there is too little inflow through the unit. Open the faucet and increase the inflow to the unit.
Can I use hot water?	Use water at a temperature below 35 °C for processed water (electrolyzed hydrogen water, acidic water, purified water). Use water at a temperature below 60 °C for raw water and showers.
Does the hydrogen disappear if I boil hydrogen water?	Since hydrogen is no longer in contact with air, it is greatly reduced.
Which water should I use to make ice?	When making ice with an automatic ice machine, follow the instruction manual for your refrigerator.
Which processed water should I use when taking supplements?	Since the supplement is not a medicine, it can be taken with hydrogen water or purified water. However, follow the supplement precautions.
Can I use hydrogen water for pet drinking water or fish tank water?	Hydrogen water is intended for people and cannot be used for pets or fish tank water. Please use purified water from which impurities have been removed.
Estimated period for replacing the water purification cartridge?	The cartridge remaining amount display lights up red and the buzzer is activated when the usage amount of processed water has reached 10,000 liters or when the cartridge has been used for approximately 12 months, whichever comes earlier. However, depending on the water quality, replacement may be necessary even when the usage amount of processed water is less than 10,000 liters. (P29)
How should I dispose of the water purification cartridge as garbage?	Follow the waste classification in your area. The outside is plastic, and the inside is activated carbon.
Can I use groundwater?	It may not be possible to use it. Please ask a water quality analysis organization such as a health center to check the water quality before use.
The unit interferes with my radio signal.	You may hear interference on a radio while using the unit. Use the radio away from the unit.
How should I clean the inside of the unit?	There is no need to regularly clean the inside of the unit. In order to enable hydrogen water/acidic water with stable water quality to be used for a long period of time, this unit adopts the “Double auto-change cross-line system”. Under this system, the electrode polarity and the water channel valve are periodically switched to maintain electrolytic capacity. (P26)
Can I use the unit immediately after a water outage?	After a water outage, cloudy water may come out for two or three days. To prevent the cartridge from becoming clogged, wait until cloudy water stops coming out before using the unit.

Specifications 1: Water processor body

Sales name:	s.u.i
Rated voltage:	200 to 240 VAC
Rated frequencies:	50 to 60 Hz
Rated current:	AC 2.2 A
Standby power:	About 2 W
Power consumption:	About 220 W
Membrane electrolyzer	
electrolysis voltage:	39 V (max.)
Membrane electrolyzer:	4 tanks (8 cells)

Electrode (number):

Platinum coated electrodes (5)

Electrode life: 2,000 hours as electrolysis time
(Varies depending on usage conditions such as usage amount and water quality.)

Water production volume (at dynamic water pressure of 100 kPa):

Hydrogen water	2.5 liters/minute
Acidic water	2.5 liters/minute
Purified water	3.0 liters/minute

Production/drainage ratio (when dynamic water pressure is 100 kPa):

Approx. 5:1

Usable pipe water pressure (hydrostatic pressure):

50 kPa (minimum operating water pressure) to 700 kPa

Allowable water temperature: Less than 35 °C

Body weight: Approximately 3.3 kg

Power cord length: Approximately 2.7 m

Body dimensions:

254.4 (W)×308.7 (H)×126.0 (D) mm

Maximum water resistance:

About 5.0 liters/minute

Cleaning system for electrolyzing tank:

Double auto-change cross-line system

Electronic circuitry:

Switching regulator control system

Unit protection function:

Branch tap connector constant flow valve

Branch tap connector warning valve
(prevents excessive water pressure)

Constant current control circuit

Overheating prevention mechanism

Note that these specifications are subject to change without notice to allow product improvements. The specifications for the actual product may differ.

Manufacturer

Trim Electric Machinery Co.,Ltd.

〒 783-0060

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Specifications 2: Water purification cartridge

Product name	Premium Micro Carbon IMα Cartridge
Material type	ABS resin
Filter type	Non-woven fabric, activated carbon, polyethylene, polypropylene
Filtration flow rate (at dynamic water pressure of 100 kPa)	3.0 liters/minute
Minimum available dynamic water pressure	50 kPa
Purification capacity	See the table below “ Purification capacity ”.
Estimated period for replacing the water purification cartridge	Approximately 12 months (The replacement period is notified based on approximately 27 liters of water per day.)* ¹ The total usage is approximately 10,000 liters. Notification by cartridge remaining amount display (P21)
Precautions for use	See “Safety precautions and Important Notice” in this manual. (P2 to 6)
Water temperature used	Less than 35 °C
Substances that cannot be removed	Heavy metals (silver, copper, etc.) and salt (seawater) not listed in the table below “Purification capacity”

- *1 The replacement time may be significantly shorter depending on the amount of water used, water quality, and water pressure. (P29)
Even if the total usage amount is less than 10,000 liters, you will be notified to replace the cartridge after 12 months.

Purification capacity

Free residual chlorine	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Turbidity	(Total filtered water volume: 10,000 liters, 50% of filtration flow rate, JIS S 3201 test results)
Chloroform	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Bromodichloromethane	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Dibromochloromethane	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Bromoform	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Tetrachloroethylene	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Trichloroethylene	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Trihalomethane* ²	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
CAT (pesticides)* ³	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
2-MIB (musty odor)* ⁴	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Soluble lead	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
1,2-DCE* ⁵	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Benzene	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Geosmin (mold smell)	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Anionic surfactant	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
Phenols	(Total filtered water volume: 10,000 liters, removal rate 80%, JIS S 3201 test results)
PFOS and PFOA* ^{6,7}	(Total filtered water volume: 10,000 liters, removal rate 80%, JWPAS B. 210 test results)
Iron (soluble)* ⁷	(Removal rate 80%, JWPAS B. 210 test results)
Iron (fine particles)* ⁷	(Removal rate 80%, JWPAS B. 210 test results)
Soluble manganese* ⁷	(Removal rate 80%, JWPAS B. 210 test results)
Aluminum (neutral)* ⁷	(Removal rate 80%, JWPAS B. 210 test results)

- *2 This is a general term for these four compounds: chloroform, bromodichloromethane, dibromochloromethane, and bromoform.
*3 This is another name for 2-chloro-4,6-bisethylamino-1,3,5-triazine, a kind of pesticide.
*4 This is an abbreviated name for 2-methylisoborneol, one of the compounds that cause a mold-like odor in tap water.
*5 This is an abbreviated name for cis-1,2-dichloroethylene and trans-1,2-dichloroethylene.
*6 This is a type of organic fluorine compound (PFAS).
*7 This is a substance defined by the Japan Water Purifier Association (JWPA) under its JWPAS B Standard.

Introduction of optional products

- **Branch tap connector mounting adapter set D:** Used when mounting to faucet D. (P14)

(Consumables)

- **Water purification cartridge (Product name: Premium Micro Carbon IMα Cartridge)**
- **Hose set (inlet hose, drainage hose, adhesive disk, fixing bands)**
- **Branch tap connector**
- **pH measurement kit**

■ Purchase of optional accessories and consumables

When purchasing optional items or consumables, please contact your dealer.

About aftersales service

- Water purification cartridges must be replaced regularly to ensure the best water quality at all times. When one lamp lights up red on the cartridge remaining amount display, please contact your dealer.
- Before use, check carefully with your dealer or other appropriate company about how to use it and use it in the correct way.
- The product inspection is performed thoroughly, however, in the unlikely event of a breakdown, please contact your dealer without disassembling or repairing the product.
- The holding period of performance parts for repair is 6 years after production is discontinued. (Performance parts are parts necessary to maintain the functions of the product.)
- Contact your dealer for other after-sales services.

About disposal

■ Unit/consumables

When disposing of used units, and consumables and accessories such as hoses, follow the disposal method specified in your region.

Checklist

Check the following again after installation.

- Have you read the instruction manual?
- Have you checked to confirm that you are using tap water suitable for use with this unit? (P6)
- Are the tightening nuts of the inlet hose and drainage hose attached to this unit loose? (P15)
- Are the tightening nut of the inlet hose attached to the branch tap connector loose? (P17)
- Is the power plug plugged in correctly? (P2)
- Are you using the indicated power supply voltage (200 to 240 VAC)? (P2)
- Is the power cord bent or damaged? (P2)
- Have you connected multiple electrical power cords to a single outlet? (P2)
- Are you using an outlet that is loose? (P2)
- Have you fixed the power cord in place with staples or by similar means? (P2)
- Is the unit set up in a suitable location? (P4)
- Are any of the hoses bent or twisted? (P4)
- Do you know what to do if the unit is accidentally dropped in water? (P2)
- Have you carefully read the precautions about drinking hydrogen water? (P3, 22, 24)
- Have you carefully read the precautions for the use of acidic water? (P3, 4, 24)
- Do you know how to store hydrogen water? (P24)
- Have you measured the pH of the hydrogen water properly? (P25)



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