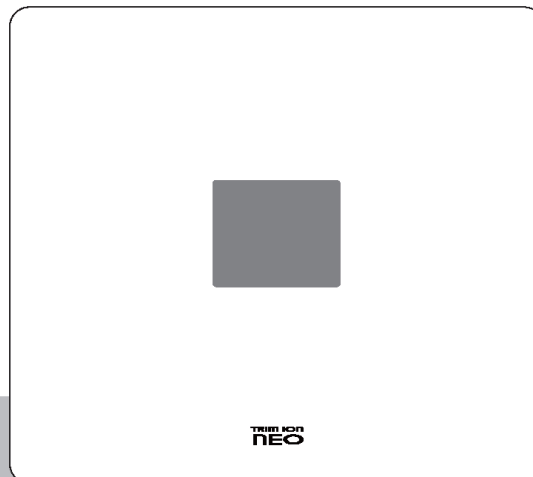


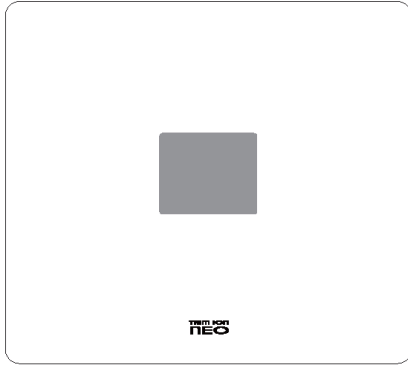
Instruction Manual

TRIM ION NEO

Continuous-Generation Electrolyzed
Hydrogen Water Apparatus

Thank you for purchasing TRIM ION NEO.
Please read this instruction manual
carefully to use the apparatus correctly.





TRIM ION NEO

Continuous-Generation

Instruction Manual

Table of Contents

Safety Precautions	1	Taking in Acidic Water (Intake/Drinking Procedure) ..	20
Important Information	5	Taking in Clean Water (Intake/Drinking Procedure) ..	21
Operational Precautions	5	pH Testing Procedure for Reduced (Electrolyzed Hydrogen) Water	22
Parts Identification (Front/Bottom View)	6	pH Adjustment Procedure for Reduced (Electrolyzed Hydrogen) Water	22
Accessories	7	Replacing the Purification Cartridge ..	
How to Attach Branch Faucet	8		
How to Install the Apparatus		Troubleshooting	26
Connecting hoses to the body	13	FAQ	28
Connecting hoses to the branch faucet	14	Specification 1. Body of Apparatus	29
Identification and Operation of Control and Indication Panels	15	Specification 2. Purification Cartridge	30
Water intake switching buttons	15	Options and Consumables	31
Eco and volume buttons	16	Care	32
Status/error and warning indications	17	After-Sales Service	32
Checks before Water Intake	18	Disposal	32
Branch Faucet	18	Checklist	33
Taking in Reduced (Electrolyzed Hydrogen) Water (Intake/Drinking Procedure)	19		

Spare Cartridge for TRIM ION NEO



- How to Replace Purification Cartridge Page 24
- Specifications of Purification Cartridge Page 30

Safety Precautions

You must follow ⚠️WARNING and ⚠️CAUTION, which describe important information to prevent harm to humans and damage to property.



Symbols

■ You must follow information under the following **WARNING** and **CAUTION** symbols, in particular. These symbols indicate the level of harm and damage in case of misoperation.

 WARNING	May result in death or serious injuries.	 CAUTION	May result in injuries or property damage.
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■ Indications

The following symbols indicate the types of instructions you must follow. (These are only some of the symbols.)

	Indicates a prohibition.		Indicates an instruction for users.
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Safety Precautions —You must observe the following—

WARNING

 Prohibition	<ul style="list-style-type: none"> ● Do not damage or break the power cord. <ul style="list-style-type: none"> • Do not staple, process, forcibly bend, pull, twist, or tie the power cord. Do not put a heavy object on the cord or put it between objects. ● Do not connect multiple power cords of electric products to a single outlet. ● Do not apply voltage other than the indicated power supply voltage (220 VAC). ● Do not connect/disconnect the power plug with wet hands. ● Do not leave a person (including children) alone, who needs an assistant, using the apparatus. <ul style="list-style-type: none"> • Such a person must use the apparatus under supervision and instructions from another one who is responsible for safety. • Be careful that children do not play with the apparatus.
 Prohibition	<ul style="list-style-type: none"> ● Do not modify, disassemble, or repair the apparatus by yourself. <ul style="list-style-type: none"> • When the apparatus has errors or faults, ask the sales agent to repair it.
 Instruction	<ul style="list-style-type: none"> ● Insert the power plug completely into an outlet. ● Do not use an outlet with loose ports. ● Wipe dust from the power plug regularly with a dry cloth. ● When disconnecting the power cord, be sure to hold the power plug to do so. <ul style="list-style-type: none"> • When the power cord is damaged, ask the sales agent to repair it.
 Instruction	<ul style="list-style-type: none"> ● In case of the accidental immersion of the apparatus in water, disconnect the power plug from the outlet and then raise the apparatus from water. <ul style="list-style-type: none"> • Ask the sales to agent repair it. ● When the apparatus has errors or faults, stop using it immediately and disconnect the power plug. <ul style="list-style-type: none"> • Consult the sale agent about servicing or repairs.

Safety Precautions —You must read the following—

CAUTION

 Prohibition	<ul style="list-style-type: none"> ● Do not take medicines with reduced (electrolyzed hydrogen) water. ● Those who suffer from renal diseases, such as renal failure and potassium excretion disorder, must not drink reduced (electrolyzed hydrogen) water. ● Those who suffer from achlorhydria must not drink reduced (electrolyzed hydrogen) water. ● Do not drink water with a pH of 10 or more directly. *Test pH regularly. (Page 22) ● Use drinking water only. In addition, do not run hot water at a higher temperature than 35°C through the body. (Page 5) ● Do not drink the following types of water: <ul style="list-style-type: none"> · Acidic water - Water from a drain hose - Water with pH testing liquid included ● Do not use aluminum containers that are vulnerable to alkali and copper containers that are vulnerable to acid. ● Do not use reduced (electrolyzed hydrogen) water for fish tanks of goldfish and tropical fish. (Page 28) 														
 Instruction	<ul style="list-style-type: none"> ● Those to whom some of the following conditions are applicable must consult a doctor before drinking reduced (electrolyzed hydrogen) water: <ul style="list-style-type: none"> · Being treated by a doctor · Suffering from renal diseases · Having physical abnormalities <div style="border: 1px solid black; padding: 5px; margin-left: 20px;"> <p>*When you consult a doctor, inform the doctor of the following:</p> <ul style="list-style-type: none"> · The amounts of calcium, magnesium, sodium, potassium, and other minerals in tap water will increase. · The pH of reduced water will be approximately 9.5. </div> ● If you feel any physical abnormalities after drinking reduced (electrolyzed hydrogen) water or your symptom has not improved though continuously drinking it, stop drinking the water and consult a doctor. ● To replace water remaining in the body and control calcium deposition, press the Acidic Water button to switch to Acidic Level 2 and run water when you start using the apparatus every day, at your bedtime, and if you are not going to use the apparatus for six hours or more. The duration of water running is estimated in the table to the right. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th colspan="2">■ Estimated duration of water running</th> </tr> </thead> <tbody> <tr> <td>At bedtime or when not used for six hours or more</td> <td>About 5 sec</td> </tr> <tr> <td>At start of everyday use</td> <td>About 30 sec</td> </tr> <tr> <td>After not used for a day</td> <td>About 1 min</td> </tr> <tr> <td>After not used for two days or more</td> <td>About 3 min</td> </tr> <tr> <td>After not used for a week</td> <td>About 5 min</td> </tr> <tr> <td>At first use or after purification cartridge replaced</td> <td>About 5 min</td> </tr> </tbody> </table> <p>*If the apparatus has been not used for a month or more, we recommend replacing the purification cartridge.</p> ● We recommend drinking water with a pH of approximately 9.5 (from 9.0 to less than 10.0). If you drink reduced (electrolyzed hydrogen) water for the first time, you should drink a small amount of the water with Hydrogen Water Level 1. <ul style="list-style-type: none"> · A pH of 9.5 is estimated as a color between those of 9.0 and 10.0 on the pH comparison chart. · Test the pH (page 22) at the first use of the apparatus and subsequently once a month or more to check that the pH of reduced (electrolyzed hydrogen) water falls within the target range. ● Drink approximately 500 to 1000 mL of reduced (electrolyzed hydrogen) water per day. ● Use generated water as soon as possible after its generation. To store reduced (electrolyzed hydrogen) water/clean water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days. 	■ Estimated duration of water running		At bedtime or when not used for six hours or more	About 5 sec	At start of everyday use	About 30 sec	After not used for a day	About 1 min	After not used for two days or more	About 3 min	After not used for a week	About 5 min	At first use or after purification cartridge replaced	About 5 min
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After not used for a week	About 5 min														
At first use or after purification cartridge replaced	About 5 min														

Safety Precautions —You must read the following—



 Instruction	<ul style="list-style-type: none"> ● Those to whom some of the following conditions are applicable must consult a doctor before using acidic water: <ul style="list-style-type: none"> · Having sensitive skin · Having an allergy ● If you feel any skin abnormalities after using acidic water, stop using the water immediately and consult a doctor.
 Prohibition	<ul style="list-style-type: none"> ● Do not connect and use the apparatus with other devices. ● Do not attach or connect structural parts other than those permitted for the apparatus. ● Do not connect the apparatus to water heaters and other similar devices directly. ● Do not use the apparatus in a humid place, such as bathrooms. ● Do not block the water outlet. Do not bend or twist the hoses. ● Do not put any objects on the apparatus. ● Do not use the apparatus with its body laid down.
 Instruction	<ul style="list-style-type: none"> ● Install the apparatus on a flat place. <ul style="list-style-type: none"> · Do not install it on an unstable or tilted place. ● Do not install the apparatus in the following places: <ul style="list-style-type: none"> · Near high temperature equipment (60°C or more) · Where the apparatus is exposed to direct sunlight or the elements · Where the apparatus is possibly frozen · At a lower height than the sink (such as on a floor and in the sink) · Where oil is likely to be attached to the apparatus
 Instruction	<ul style="list-style-type: none"> ● Disconnect the power plug when not using the apparatus for a long time. <ul style="list-style-type: none"> · When you use the apparatus again, check that all hoses, the purification cartridge, and the power cord are connected correctly and securely and that all the buttons operate correctly and safely. In addition, switch to Acidic Level 2 at the start of use and then run water. (Page 2) ● In case of a power failure, disconnect the power plug immediately from the outlet.
 Instruction	<ul style="list-style-type: none"> ● When you use pH testing liquid, pay attention to the following: <ul style="list-style-type: none"> · Do not put the liquid into the eyes nor swallow it. In case of accidental swallowing or application to the eyes, drink a large amount of water or wash the eyes sufficiently. Then, consult a doctor. · Do not use the liquid near fire. · Be sure to replace the cap and store the liquid in a place unreachable by infants. ● Store the pH comparison chart in a place that is not exposed to direct sunlight and is dark. (Otherwise, the chart may be discolored.)

Safety Precautions —You must read the following—



 Prohibition	<ul style="list-style-type: none"> ● Do not pour water on the apparatus or wash it in water. <ul style="list-style-type: none"> · If water is poured accidentally, wipe it with a dry cloth. · Do not use cleaning agents, bleaching agents, alcohol, benzene, thinner, cleansers, insecticides, and other chemicals. · For care, dampen a soft cloth and wring it before wiping the apparatus. · For care, be sure to disconnect the power plug from the outlet. ● Do not impact or drop the apparatus or the purification cartridge. ● Do not run water through the apparatus without the purification cartridge.
 Instruction	<ul style="list-style-type: none"> ● Do not use the apparatus while the end of the drain hose is in contact with odorous places, such as overflows, or the surface of water. (Otherwise, the drain hose may draw in odors, water, or impurities when water running is stopped.) ● Use our original accessories (such as purification cartridges) only. ● Dispose of a used body, consumables, and accessories according to locally specified disposal procedures. ● Be sure to follow the operating procedures and safety precautions. In case of misoperation, faults will result.
 Instruction	<ul style="list-style-type: none"> ● Install the apparatus on a flat and stable place. ● Do not install the apparatus in the following places: <ul style="list-style-type: none"> · Near high temperature equipment (60°C or more) · Where the apparatus is exposed to direct sunlight or the elements · Where the apparatus is possibly frozen · At a lower height than the sink (such as on a floor and in the sink) · Where oil is likely to be attached to the apparatus ● Connect the power cord to an outlet (220 VAC). ● Be sure to read the “Safety Precautions” (page 1) before installing the apparatus.

■ Designations in this manual

In our custom dictionary, “electrolyzed hydrogen water” means alkaline electrolyzed water, a type of alkaline drinking water that is generated from electrolysis on the cathode and contains hydrogen, while “acidic water” means acidic electrolyzed water generated on the anode.

- These types of water are designated as follows in this manual:
 - “Purified water” is a general term for reduced (electrolyzed hydrogen) water, acidic water, and clean water.

■ Illustrations in this manual



The sketches and illustrations of the product in this manual may differ from the actual one.

Important Information

This apparatus is capable of generating three types of purified water, alkaline electrolyzed drinking water (electrolyzed hydrogen water), as well as clean water and acidic electrolyzed water (acidic water) and switching these types of purified water with buttons.

Clean water can be used for taking medicines and formula for babies while acidic water can be used for facial cleansing and washing dishes.

Operational Precautions

- **Use drinking water only.**
- **To prevent faults, do not run the following types of water through the apparatus:**
 - Muddy water
 - Water with red rust  Will clog the purification cartridge earlier.
 - Hot water at a temperature of 35°C or more
 - Salty water (such as well water near the seashore)  May cause faults.
- **This apparatus is capable of purifying drinking water through the purification cartridge and then generating electrolyzed water by electrolysis. Such electrolyzed water will have properties according to those specified in JIS T 2004 (Water Electrolyzer for Home Use).**
- **Since residual free chlorine was removed from reduced (electrolyzed hydrogen) water and the clean water remaining in the body, these types of water may tend to contain many bacteria. At the use of the apparatus, run acidic water through it in the following way:**
- To replace water remaining in the body and control calcium deposition, press the Acidic Water button to switch to Level 2 of the Acidic Water mode and run water when you start using the apparatus every day, at bedtime, and if you are not going to use the apparatus for six hours or more.
The duration of water running is estimated as shown in the table below.

■ Estimated duration of water running

At bedtime or when not used for six hours or more	About 5 sec
At start of everyday use	About 30 sec
After not used for a day	About 1 min
After not used for two days or more	About 3 min
After not used for a week	About 5 min
At first use or after purification cartridge replaced	About 5 min

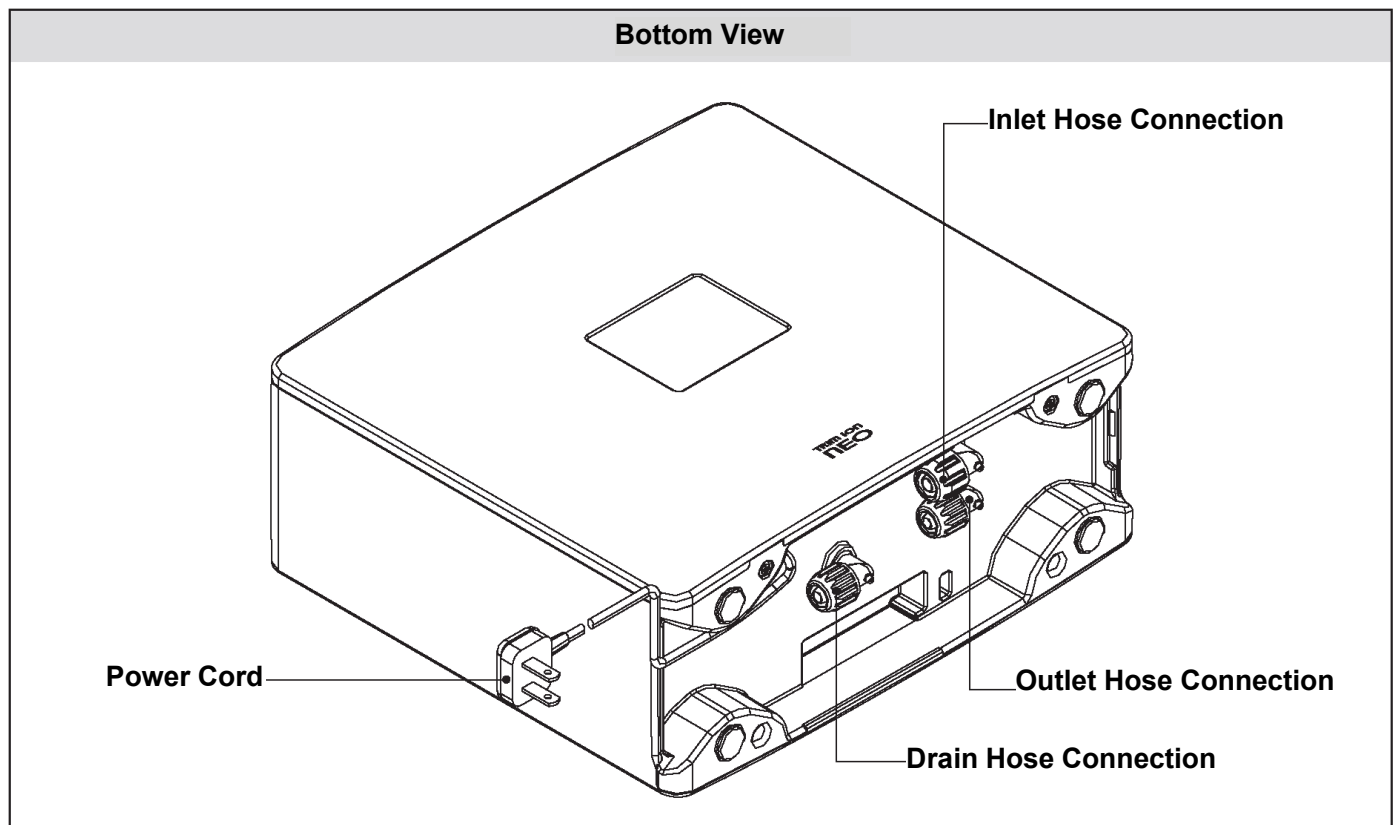
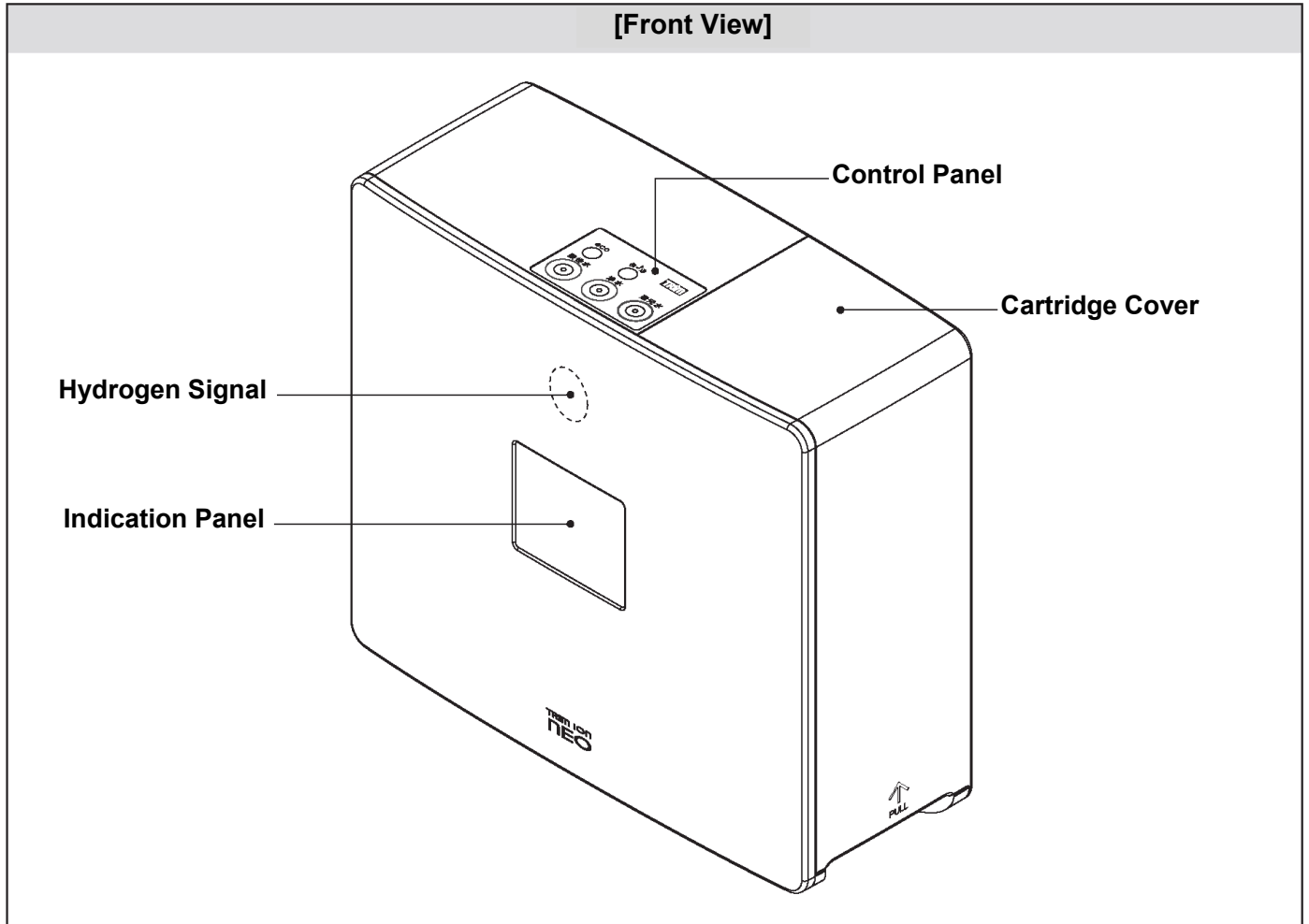
After completing water running, select a type of water you want to use on the control panel.

*For areas where water is hard, in addition to water running as in the left table, run acidic water for 30 seconds to one minute at bedtime. This removes calcium deposits to prevent faults in the apparatus.

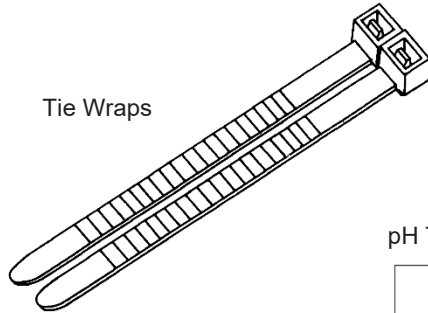
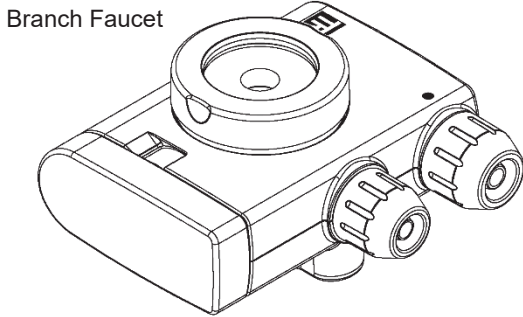
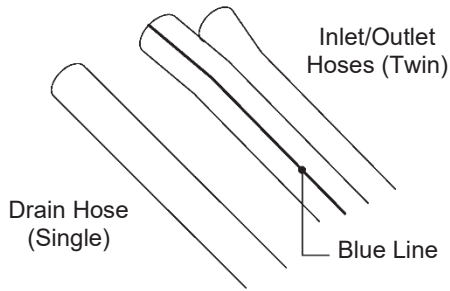
*If the apparatus was not used for a month or more, we recommend replacing the purification cartridge.

- Use generated water as soon as possible after its generation. To store reduced (electrolyzed hydrogen) water/clean water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days.
- Use our original accessories (such as purification cartridges) only.
- To prevent faults due to misoperation, read the "Safety Precautions" (page 1) before using the apparatus.

Parts Identification

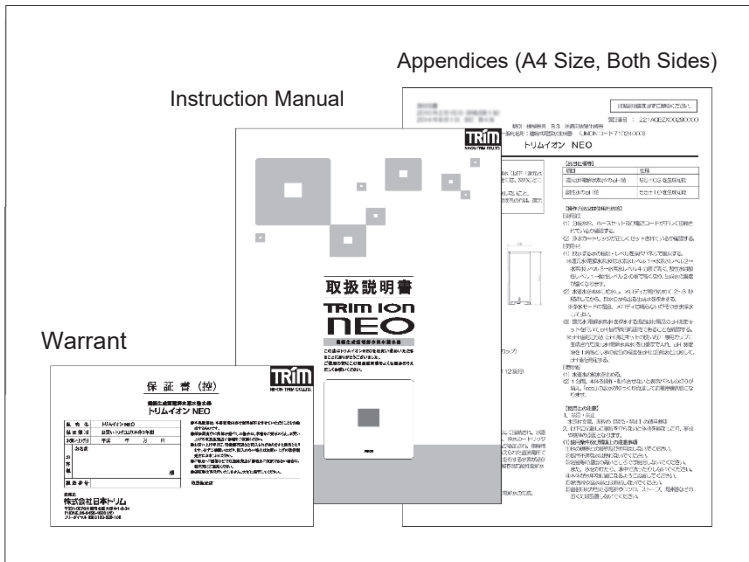


Accessories

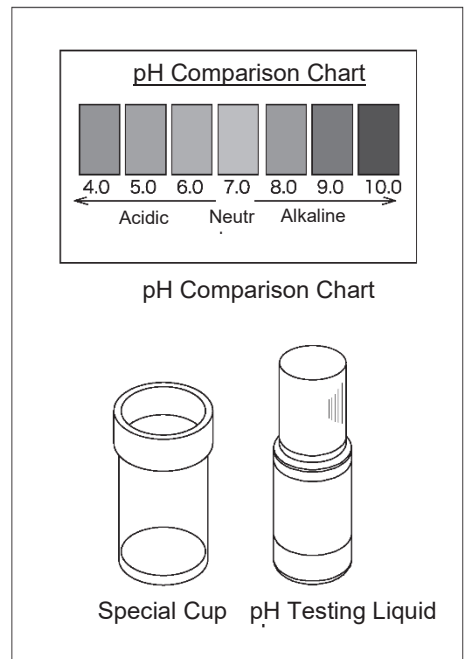


<p>Set A C-Rings</p> <p>16mm</p> <p>17.5mm</p> <p>19mm</p>	<p>Set B Bubble Fitting Adapters (for External Screw)</p> <p>Common Gasket</p> <p>For Japanese Products (White)</p> <p>For Foreign Products (Gray)</p>
<p>Set C Bubble Fitting Adapter (for Inner Screw)</p> <p>For Japanese Products (White)</p> <p>For Foreign Products (Gray)</p>	<p>Set D Screw-Centering Fitting</p> <p>Screw-Centering Fitting</p>

Manual Set



pH Testing Kit



How to Attach Branch Faucet

● Preparing the branch faucet

The branch faucet has eight attachment options of adapters. Select one of them depending on your faucet pipe type.

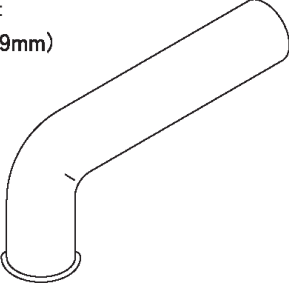
● Checking your faucet pipe

Check which of the following types that your faucet pipe corresponds to.

TYPE-1

The end of the faucet pipe expands.

Faucet pipe diameter:
(16mm•17.5mm•19mm)

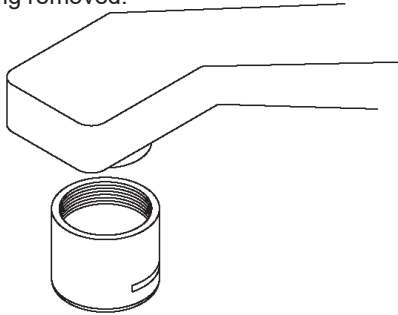


Prepare Set A → Go to page 9

TYPE-2

The screw appears externally on the pipe with the bubble fitting removed.

● External screw type

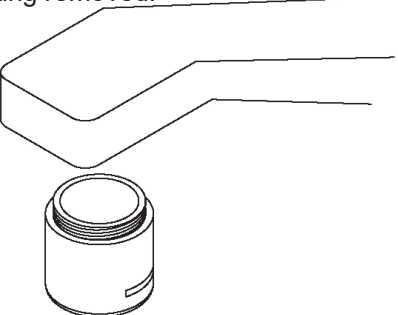


Prepare Set B → Go to page 10

TYPE-3

The screw appears internally in the pipe with the bubble fitting removed.

● Inner screw type

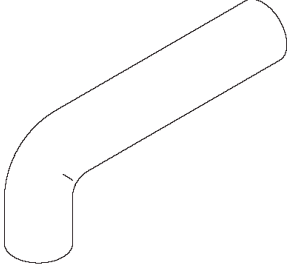


Prepare Set C → Go to page 11

TYPE-4

The end of the faucet pipe is round.

● No expanding end

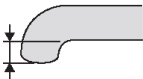
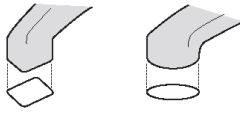
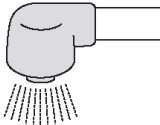
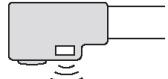


Prepare Set D → Go to page 12

If your faucet pipe does not correspond to any of them, consult the sales agent.

● Noncompatible faucet pipes

The branch faucet cannot be attached to the following types of faucet pipes.

End 10 mm or less in length	Specially shaped end	With shower nozzle	With sensor
<p>10 mm or less</p> 	 <p>Square Oval end</p>		

In addition to them, be careful of deformed faucet pipes and those having different screw sizes (other than 22 mm) or diameters.

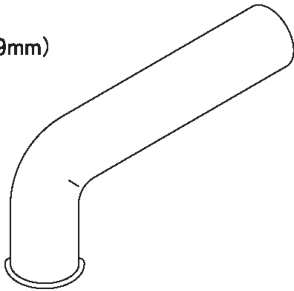
● Attachment for a TYPE-1 faucet pipe

TYPE-1

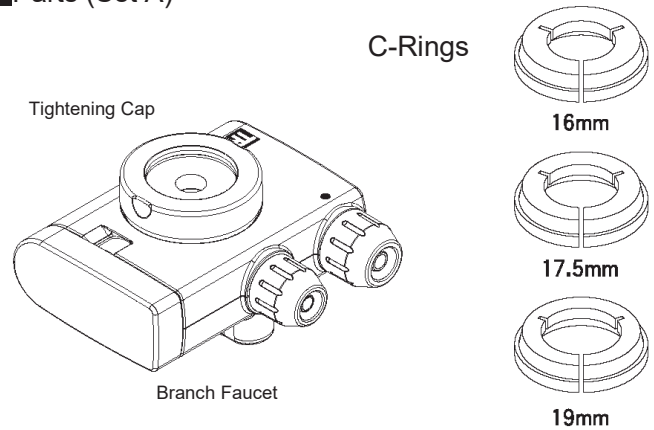
The end of the faucet pipe expands.

Faucet pipe diameter:

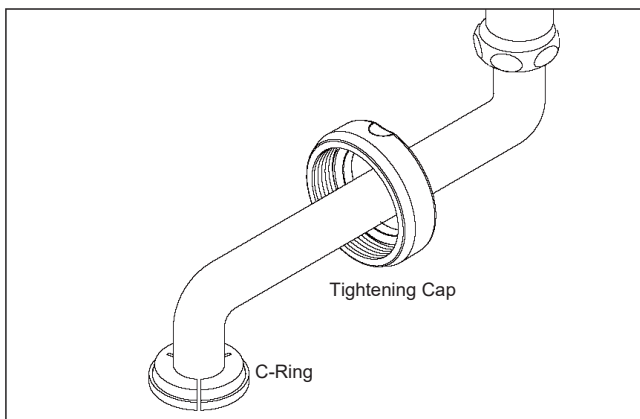
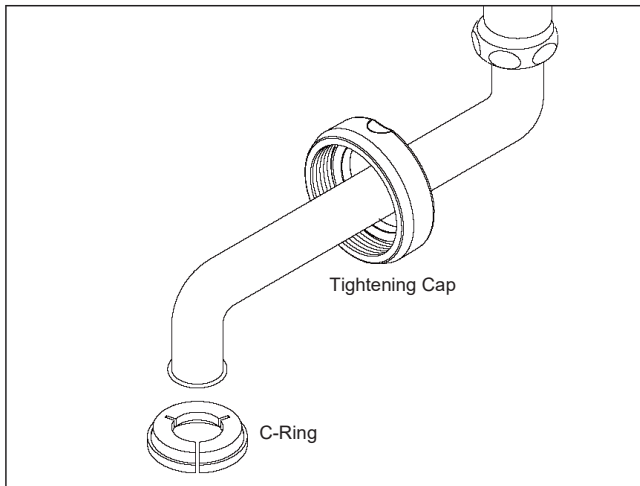
(16mm•17.5mm•19mm)



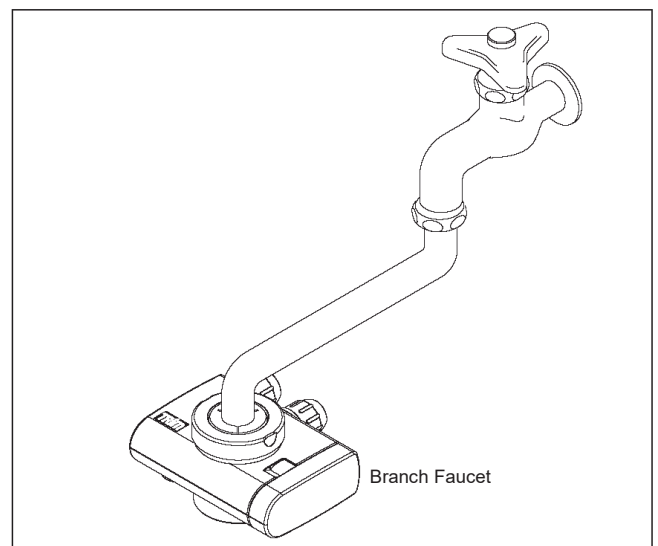
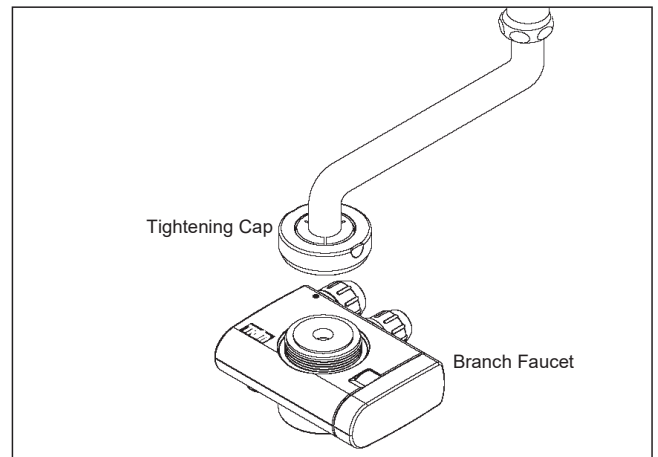
■ Parts (Set A)



- (1) Put the tightening cap through the faucet pipe.
 - Be careful that it is directed correctly.
- (2) Attach a C-ring to the end of the faucet pipe.
 - You can attach it more easily by opening the notch.
 - Be careful that it is directed correctly.



- (3) While pressing the branch faucet to attach its gasket to the end of the faucet pipe closely, tighten the tightening cap securely.



- (4) The attachment of the branch faucet is now completed.

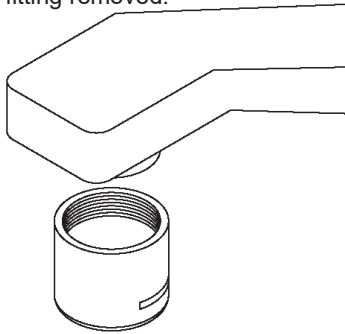
*For the procedures for the hose connections, see “How to connect hoses to the branch faucet” (page 14).

● Attachment for a TYPE-2 faucet pipe

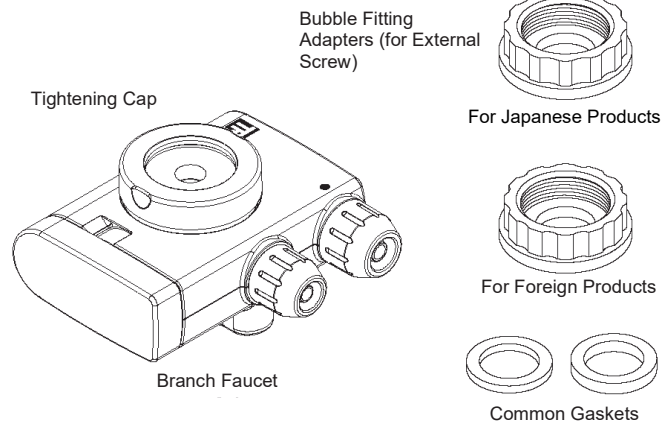
TYPE-2

The screw appears externally on the pipe with the bubble fitting removed.

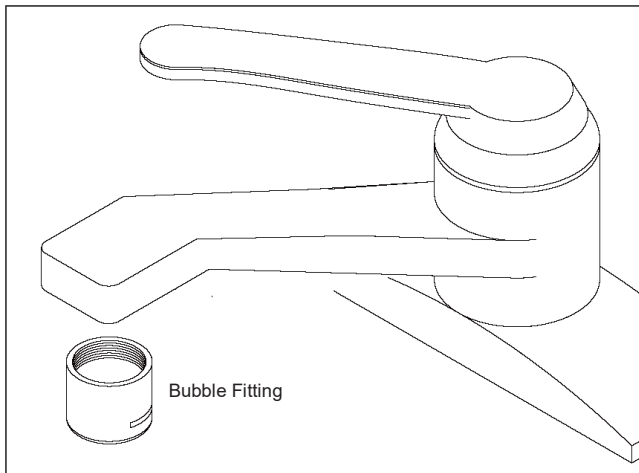
External screw type



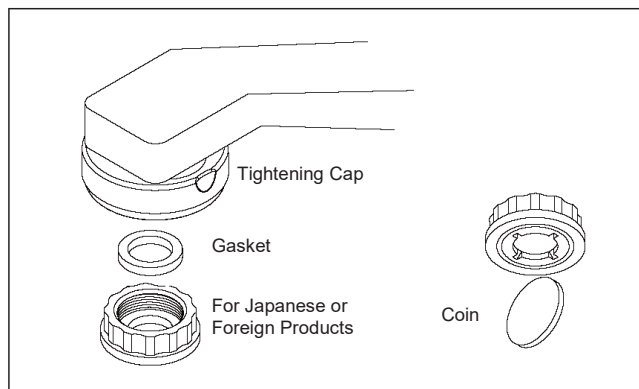
Parts (Set B)



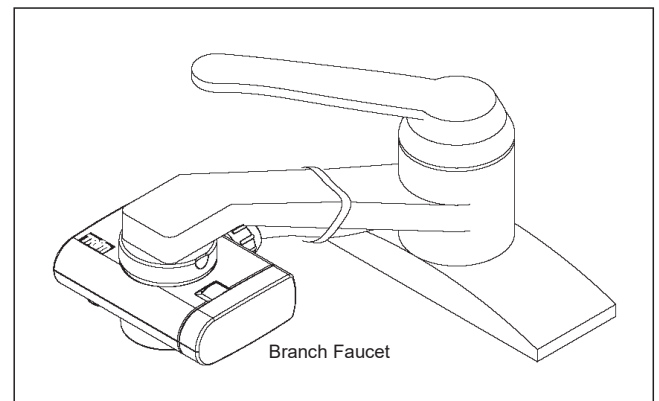
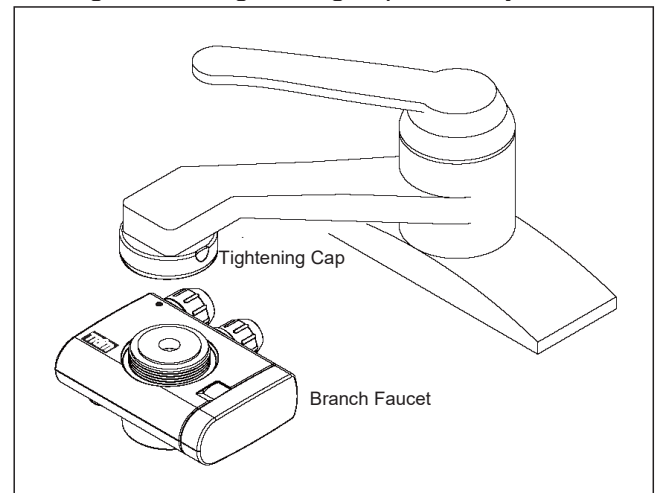
- (1) Remove the bubble fitting from the end of the faucet pipe.



- (2) Put the tightening cap on the faucet pipe.
 ● Be careful that it is directed correctly.
- (3) Attach the tightening cap and the bubble fitting adapter for Japanese products in that order. Tighten the adapter with a coin or other similar items. (See the figure below.)
 ● If the adapter for Japanese products does not match, attach the other one for foreign products instead.



- (4) While pressing the branch faucet to attach its gasket to the end of the faucet pipe closely, tighten the tightening cap securely.



- (5) The attachment of the branch faucet is now completed.

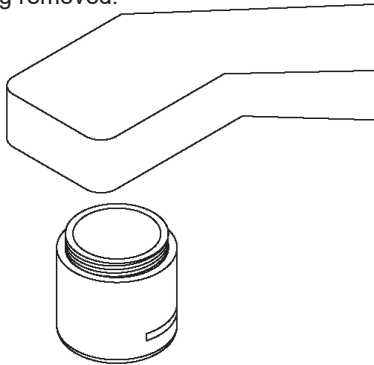
*For the procedures for the hose connections, see "How to connect hoses to the branch faucet" (page 14).

● Attachment for a TYPE-3 faucet pipe

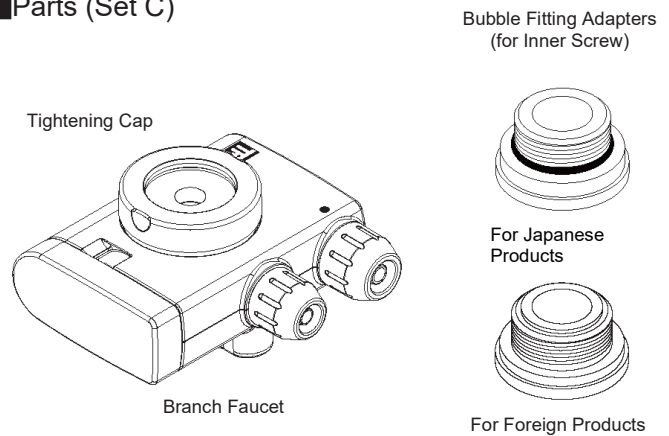
TYPE-3

The screw appears internally in the pipe with the bubble fitting removed.

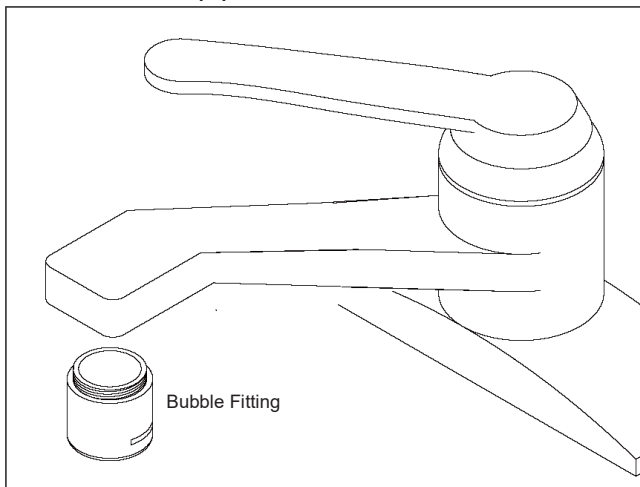
● Inner screw type



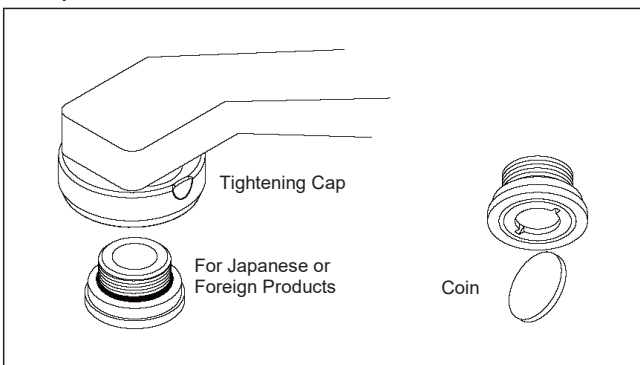
■ Parts (Set C)



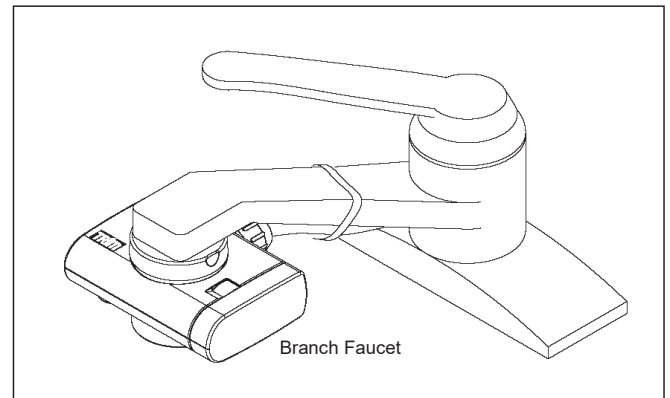
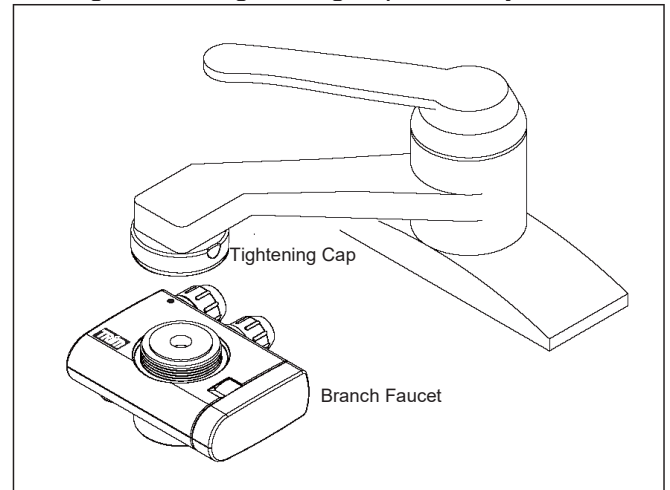
- (1) Remove the bubble fitting from the end of the faucet pipe.



- (2) Put the tightening cap on the faucet pipe.
 ● Be careful that it is directed correctly.
 (3) Attach the tightening cap and the bubble fitting adapter for Japanese products in that order. Tighten the adapter with a coin or other similar items. (See the figure below.)
 ● If the adapter for Japanese products does not match, attach the other one for foreign products instead.



- (4) While pressing the branch faucet to attach its gasket to the end of the faucet pipe closely, tighten the tightening cap securely.



- (5) The attachment of the branch faucet is now completed.

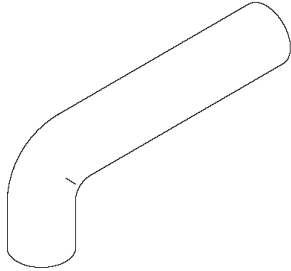
*For the procedures for the hose connections, see "How to connect hoses to the branch faucet" (page 14).

● Attachment for a TYPE-4 faucet pipe

TYPE-4

The end of the faucet pipe is round.

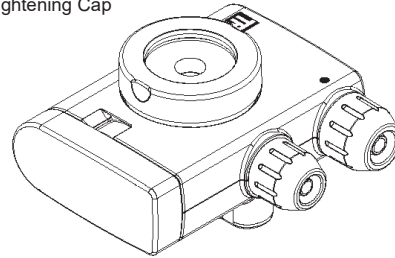
● No expanding end



■ Parts (Set D)

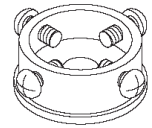
* Prepare a Phillips screwdriver.

Tightening Cap



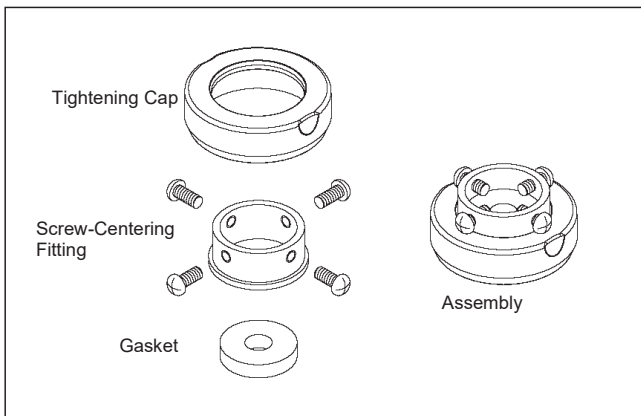
Branch Faucet

Screws (x 4)

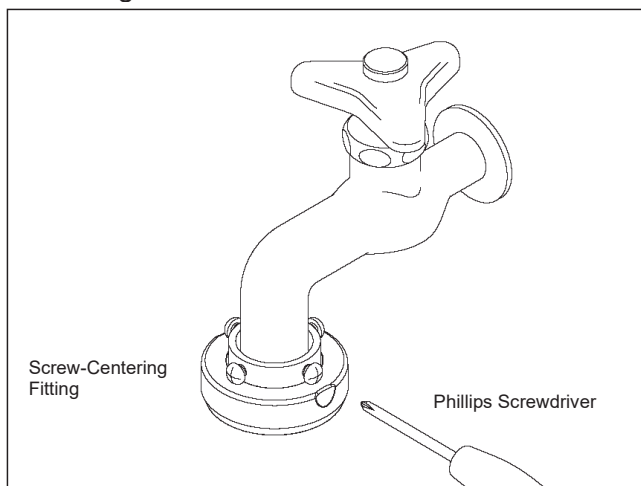


Screw-Centering Fitting

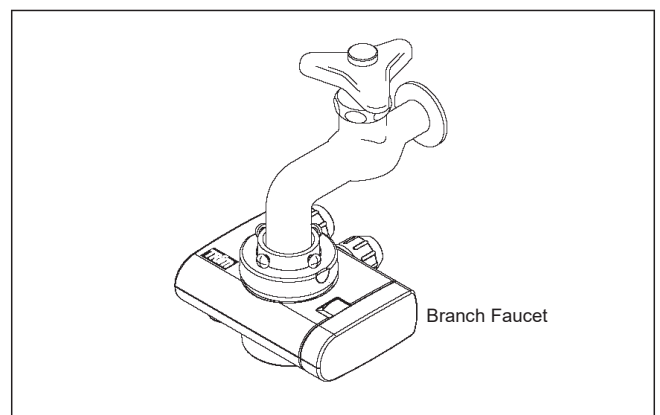
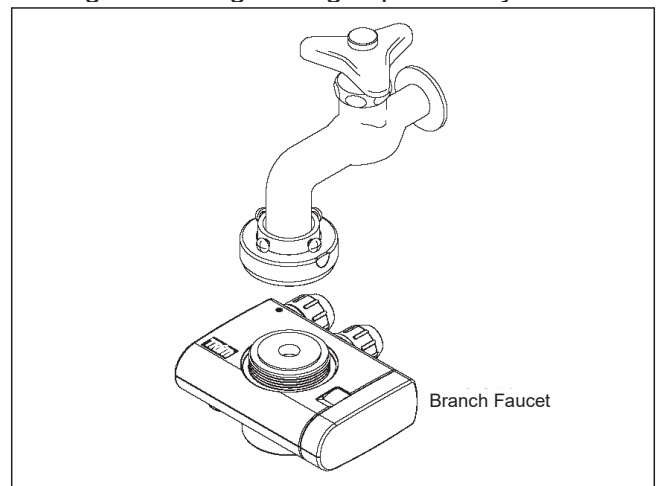
- (1) Insert the screw-centering fitting (without screws) into the tightening cap.
- (2) Attach the four screws to the screw-centering fitting temporarily.
- (3) Insert a flat gasket.



- (4) Fix the screw-centering fitting equally with the screws to center the faucet pipe in the fitting.



- (5) While pressing the branch faucet to attach its gasket to the end of the faucet pipe closely, tighten the tightening cap securely.



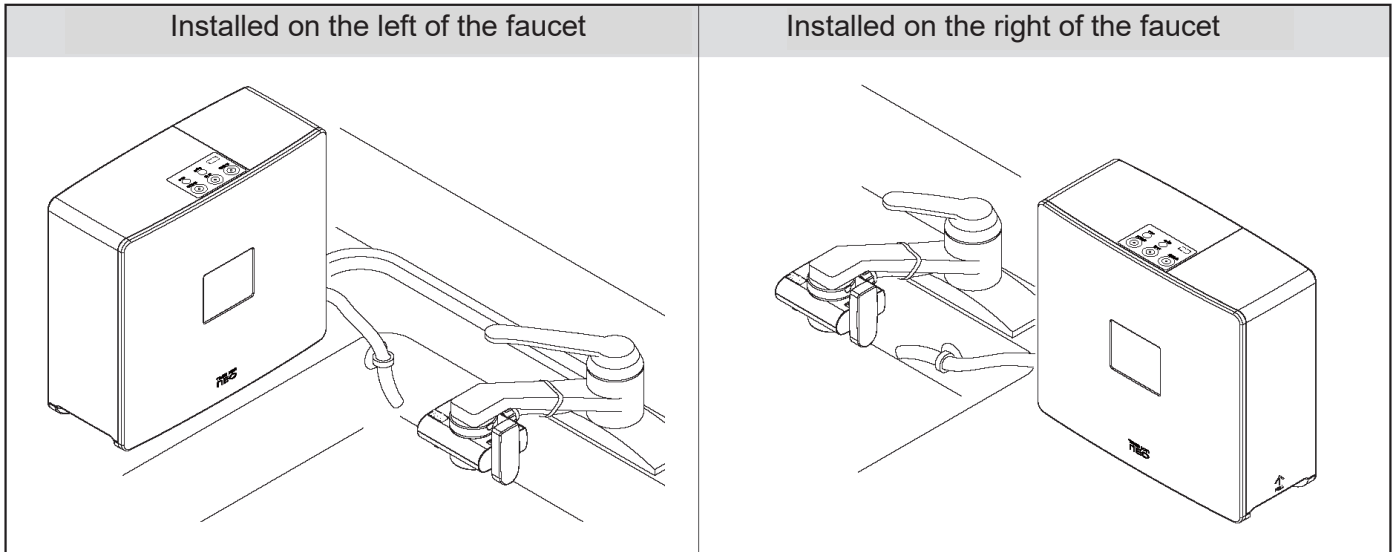
- (6) The attachment of the branch faucet is completed.

*For the procedures for the hose connections, see "How to connect hoses to the branch faucet" (page 14).

How to Install the Apparatus

Decide the installation position. (See the figure below.)

*The attachment style of the inlet/outlet hoses depends on which side of the faucet the body of the apparatus is installed on.

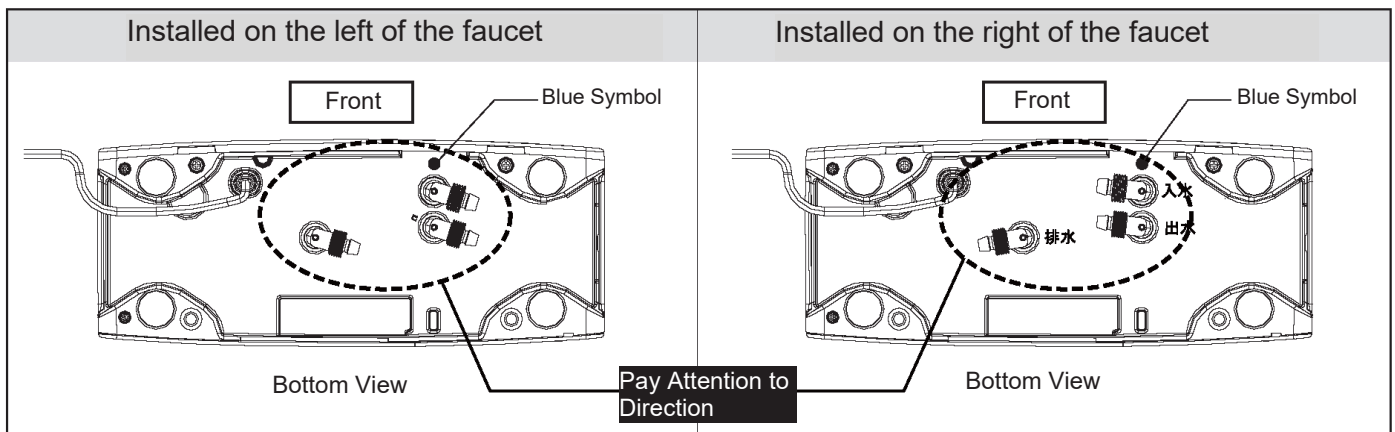


● Connecting hoses to the body

- (1) Remove the nuts and the plugs from the connections.
- (2) Change the directions of the connections.

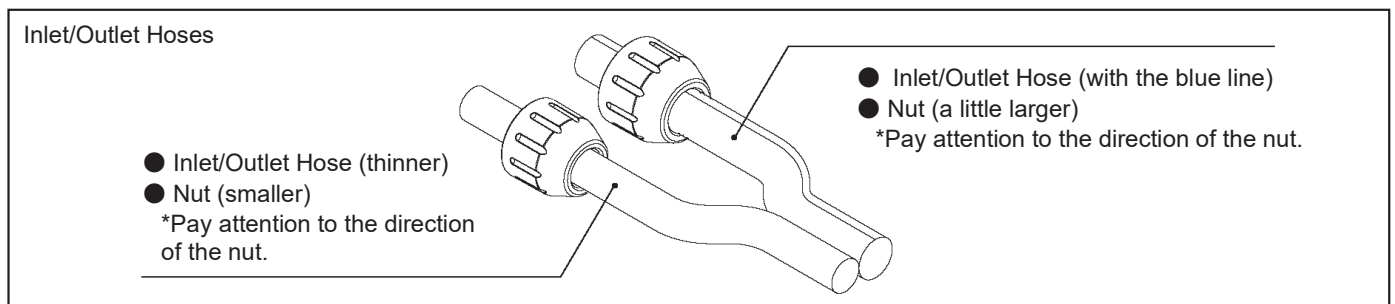
*Pay attention to the directions of the connections. (See the figure below.)

<p>Instruction</p>	<p>- To store the removed plugs, put them in a place unreachable by infants.</p>
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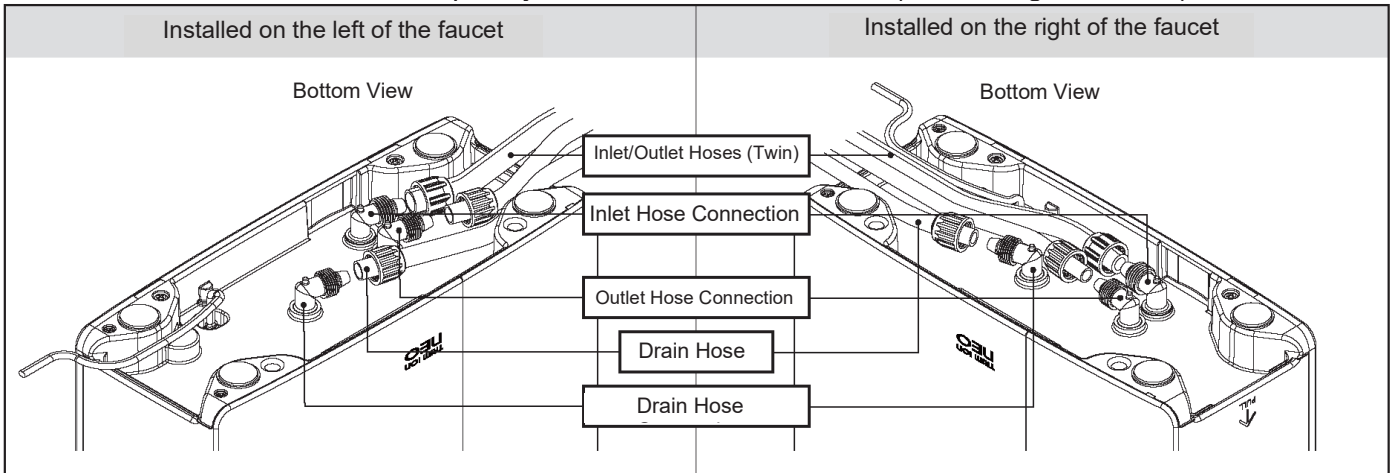


- (3) Put the nuts through the inlet/outlet hoses and the drain hose. (Be careful that the nuts are directed correctly.)

*The nut for the inlet hose connection is different (a little larger) from those for the other connections. Check that the nut removed from the inlet hose connection is placed on the blue-lined hose of the inlet/outlet hoses.



- (4) Connect the blue-lined hose of the inlet/outlet hoses (twin) to the inlet hose connection (with the blue symbol) and fix it with the nut. Connect the other hose to the outlet hose connection. Insert these hoses to the connections completely and fix them with the nuts. (See the figure below.)



- (5) Connect the drain hose (single) in the same way as above.
- Fix the drain hose with the suction cup attached to the kitchen sink or other places. (See the installation views on page 13.)



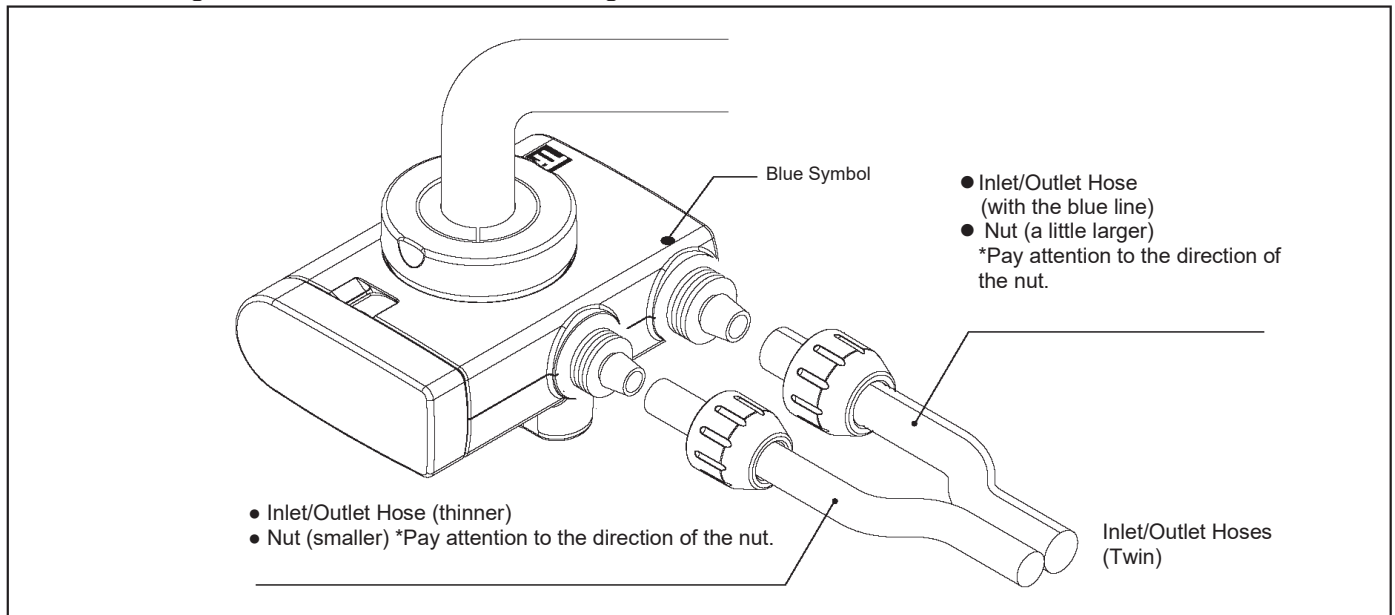
Instruction

- **Tighten the nuts until they no longer turn. Tightening them poorly will cause water leaks.**

● Connecting hoses to the branch faucet

Connect the other ends of the inlet/outlet hoses, which were connected to the body, to the branch faucet.

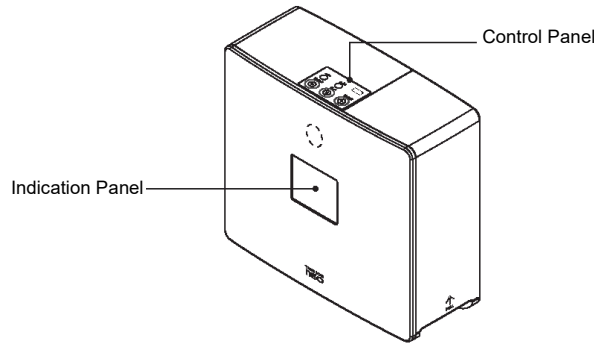
- (1) Cut the inlet/outlet hoses connected to the body to keep the required lengths. Remove the nuts from the branch faucet and put them through the hoses. (Be careful that the nuts are directed correctly.)
 - (2) Insert these hoses completely into the branch faucet and then fix them with the nuts.
- Connect the blue-lined hose to the hose connection (with the blue symbol) of the branch faucet while connecting the other hose to the remaining hose connection.



Fix the hoses with the attached tie wraps if necessary. (See the installation views on page 13.)

Identification and Operation of Control and Indication Panels

● Water intake switching buttons

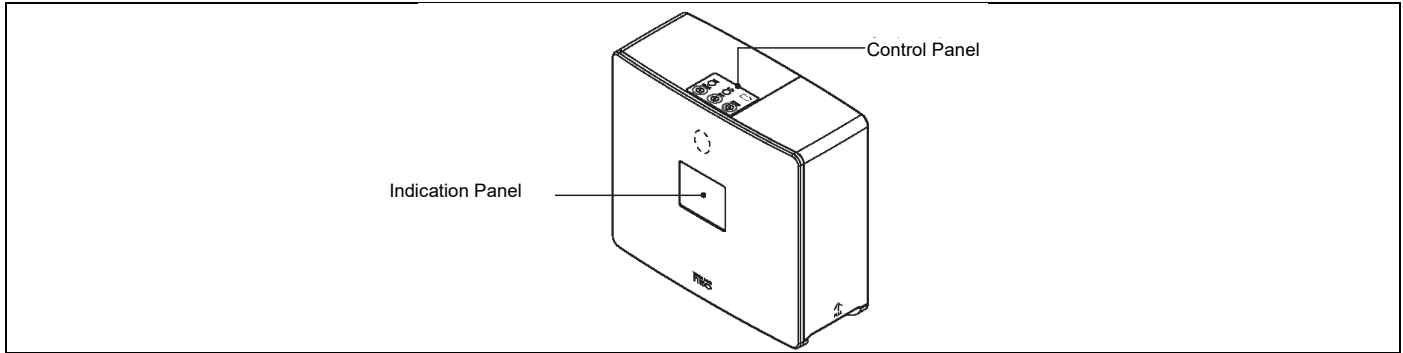


Identification and operation

Control panel		<p>Reduced (Electrolyzed Hydrogen) Water button</p> <p>Press it to take in reduced (electrolyzed hydrogen) water. [Indication panel: Turned blue] The Hydrogen Water Level indication switches every time you press the button.</p> <p>Reduced (Electrolyzed Hydrogen) Water mode (Hydrogen Water Level indication turned on)</p>
Indication panel		<p>Clean Water button</p> <p>Press it to take in clean water. [Indication panel: Turned green] Tap water from which free chlorine residual and other additives are removed can be taken in.</p> <p>Clean Water mode (Clean Water indication turned on)</p>
Control panel		<p>Acidic Water button</p> <p>Press it to take in acidic water. [Indication panel: Turned orange] Use the water for facial cleansing and washing dishes. The Acidic Level indication switches every time you press the button.</p> <p>Acidic Water mode (Acidic Level indication turned on)</p>
Indication panel		<p>Acidic Water button</p> <p>Press it to take in acidic water. [Indication panel: Turned orange] Use the water for facial cleansing and washing dishes. The Acidic Level indication switches every time you press the button.</p> <p>Acidic Water mode (Acidic Level indication turned on)</p>
Control panel		<p>Acidic Water button</p> <p>Press it to take in acidic water. [Indication panel: Turned orange] Use the water for facial cleansing and washing dishes. The Acidic Level indication switches every time you press the button.</p> <p>Acidic Water mode (Acidic Level indication turned on)</p>
Indication panel		<p>Acidic Water button</p> <p>Press it to take in acidic water. [Indication panel: Turned orange] Use the water for facial cleansing and washing dishes. The Acidic Level indication switches every time you press the button.</p> <p>Acidic Water mode (Acidic Level indication turned on)</p>

Identification and Operation of Control and Indication Panels

● “eco” and volume buttons



Identification and operation

		“eco” button
Control panel		<p>The power consumption will be reduced to approximately 50%. The pH of reduced (electrolyzed hydrogen) water will also be reduced. The eco indication switches every time you press the button.</p>
Indication panel		<div style="border: 1px solid black; padding: 5px; text-align: center;"> eco No Indication eco </div> <p style="text-align: center;">(Turned on) → (Turned off) → (Turned on)</p> <ul style="list-style-type: none"> ● Eco mode: Energy-saving electrolysis (eco turned on) ● Normal mode: Normal electrolysis (eco turned off)
		Volume button
Control panel		<p>The volume of a sound for taking in reduced (electrolyzed hydrogen) water can be changed. The indication switches every time you press the button.</p>
Indication panel		<div style="border: 1px solid black; padding: 5px; text-align: center;"> No Indication (♪) ((♪)) (((♪))) </div> <p style="text-align: center;">→ Volume (off) → Volume (quiet) → Volume (middle) ▶ Volume (loud)</p>

● Status indications

<p>① ② ③ ④</p>	<p>① Water Running indication The flow of water per minute is displayed when water is running. *The flow of water running means the total of the flows of water intake from the branch faucet and drainage from the drain hose.</p> <p>② Remaining cartridge indication The amount of used water or the elapsed time from the start of use is displayed, whichever is the earlier.</p> <p>Cartridge ██████████ Cartridge ████████ Cartridge: □□□□□□ (Newly installed) → (Half consumed) → (Required to be replaced)</p> <p>③ Controlled electrolysis indication When reduced (electrolyzed hydrogen) water is used continuously for 10 minutes or more, the Hydrogen Water Level may be lowered to control the overheating of the body. In this case, the level indication flashes. (This also applies to the Acidic Water mode.)</p> <p>④ Power-saving wait indication One minute after buttons are operated or water running is stopped, the lighting of the indication panel will be turned off and “eco” will flash slowly. This means the body goes into the power-saving wait mode.</p>
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● Error and warning indications

<p>① ② ③ ④</p>	<p>① Overheating Suspension indication [Indication panel: Turned red] This product is equipped with an overheating prevention device as a safety device. When reduced (electrolyzed hydrogen) water or acidic water is used continuously for a long time, the temperature in the body may rise, and the overheating prevention device may start to operate. “Overheating Suspension” is displayed along with a buzzer during the activation of the overheating prevention device. Wait for the temperature in the body to lower.</p> <p>② Close Faucet indication If the Water Running indication reaches 5.6 L/min or more, this message will be indicated along with a buzzer. If the Water Running indication is lowered to 5.4 L/min or less, this message will disappear. *This message will be indicated when the water intake switching button is pressed when water is running, or the apparatus is used continuously for 20 minutes or more (in the case that the Water Running indication reaches 3.0 L/min or more).</p> <p>③ Replace Cartridge indication [The indication panel turns yellow when water is running.] If the purification cartridge is required to be replaced, this message will be indicated along with a buzzer. Replace the purification cartridge.</p> <p>④ Cartridge Error and Replace Cartridge indications [Indication panel: Turned red] These messages will be indicated along with a buzzer when water is running. The purification cartridge or the body may have errors. (See page 27 for troubleshooting.)</p> <p>⑤ Body error indication [Indication panel: Turned red] When an error of the body is detected, the indication panel will turn red along with a buzzer, disabling the buttons. Disconnect the power plug immediately and contact the sales agent.</p>
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Checks before Water Intake

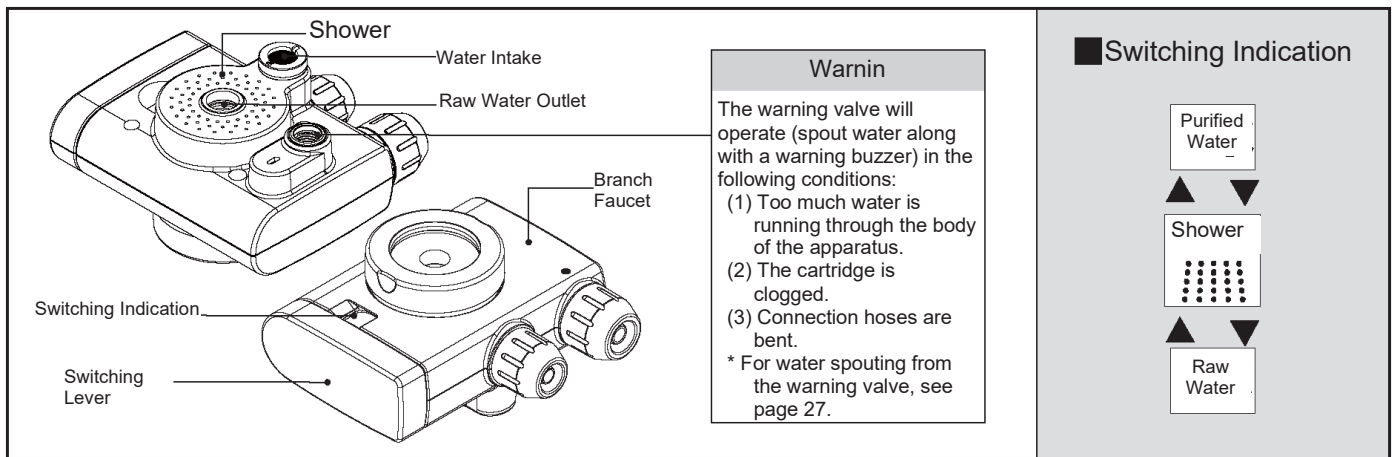
- (1) Check that all pipes, hoses, and the power cord are connected correctly and securely.
- (2) Check that all the buttons operate correctly.
- (3) Check that the cartridge is installed and locked correctly.



Instruction

Be sure to read the "Safety Precautions" before using generated water.
If you use it for the first time, run water with Acidic Level 2 for about five minutes.
Do not switch from reduced (electrolyzed hydrogen) water to clean water or vice versa, and from acidic water to clean water or vice versa when water is running. Otherwise, faults, such as water leaks, will result.
When reduced (electrolyzed hydrogen) water is used continuously for 10 minutes or more, the Hydrogen Water Level may be lowered.

Branch Faucet



● How to operate the branch faucet

Turn the switching lever of the branch faucet depending on applications to switch to Raw Water (0°) > Shower (90°) > Purified Water (180°).

● Taking in reduced (electrolyzed hydrogen) water, acidic water, and clean water

Turn the switching lever of the branch faucet to switch to Purified Water before using the faucet. Select reduced (electrolyzed hydrogen) water, acidic water, or clean water with the water intake switching buttons on the body.

- Do not run hot water at a higher temperature than 35°C through the body.

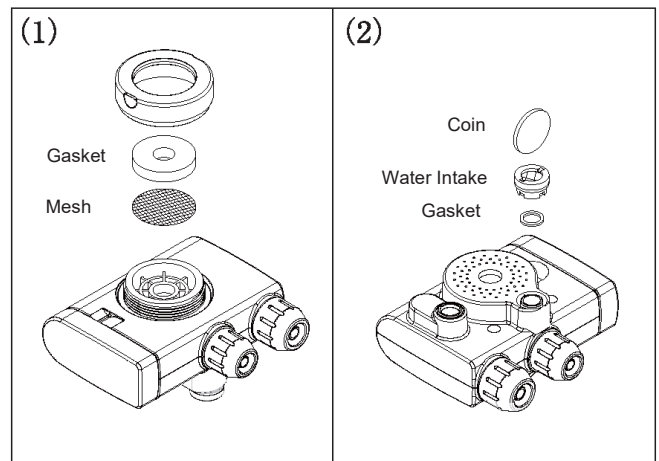
● Using raw water and the shower

Turn the switching lever to switch to Raw Water or Shower before using the faucet.

- Use raw water and the shower at a lower temperature than 60°C.

● Care procedure

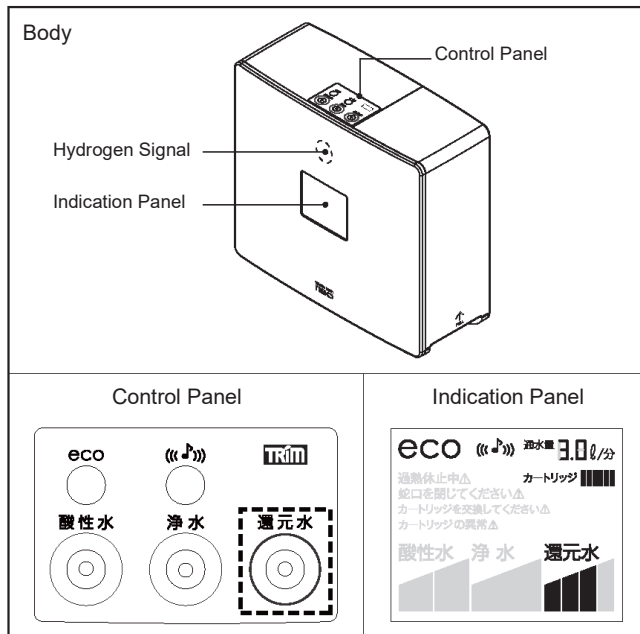
- (1) Remove the branch faucet from the faucet pipe and clean the mesh under the gasket with a brush (about once every three months).
- (2) Remove the water intake from the back of the branch faucet with a coin and clean the mesh with a brush. (Calcium deposits may increase depending on the water quality. Clean it frequently.)



Taking in Reduced (Electrolyzed Hydrogen) Water

● Intake procedure for reduced (electrolyzed hydrogen) water

- (1) Press the Reduced (Electrolyzed Hydrogen) Water button on the control panel of the body.
- (2) The indication panel turns blue and shows the Reduced (Electrolyzed Hydrogen) Water mode and the selected level.



- (3) Select a Reduced (Electrolyzed Hydrogen) Water Level (from four levels) according to its application.

Applications of reduced (electrolyzed hydrogen) water (just a rough guide)			Estimated pH
Reduced Water 	Level 1 Drinking	When you drink reduced (electrolyzed hydrogen) water for the first time	7.5-9.0
Reduced Water 	Level 2 Drinking	For ordinary drinking and cooking rice	8.0-9.5
Reduced Water 	Level 3 Drinking	For ordinary drinking, coffee, tea, green tea, one-pot meals, soup, etc.	8.5-9.9
Reduced Water 	Level 4 Cooking	For boiling and removing scum	9.0-10.5
Hydrogen signal (A rough guide for hydrogen generation)			
The faster the signal flashes, the higher the concentration of hydrogen.			

- (4) Turn the switching lever of the branch faucet to switch to **Purified Water**. Then, open the faucet to run water through the apparatus.

- (5) The apparatus sounds and the hydrogen signal (a rough guide for hydrogen generation) starts flashing.

*When a sound starts, stable generated water can be taken in. Take in water from the water intake.

- (6) When you finish taking in reduced (electrolyzed hydrogen) water, stop running water. Then, the sound stops.
- (7) One minute after buttons are operated or water running is stopped, the lighting of the indication panel will be turned off, and "eco" will flash slowly. This means the body goes into the power-saving wait mode.

● How to drink reduced (electrolyzed hydrogen) water and precautions

- Before using the apparatus, press the Acidic Water button to run water with Acidic Level 2. The duration of water running is estimated as shown in the table below.

At bedtime or when not used for six hours or more	About 5 sec
At start of everyday use	About 30 sec
After not used for a day or more	About 1 min
After not used for two days or more	About 3 min
After not used for a week	About 5 min
At first use or after purification cartridge replaced	About 5 min

After running water, press the Reduced (Electrolyzed Hydrogen) Water button for drinking.

- Do not drink reduced (electrolyzed hydrogen) water with a pH of 10 or more. For testing the pH of reduced (electrolyzed hydrogen) water, see page 22.
- Drink approximately 500 to 1000 mL of the water per day.
- For taking medicines and formula for babies, use clean water rather than reduced (electrolyzed hydrogen) water.
- Drink reduced (electrolyzed hydrogen) water as soon as possible after taking it in. To store reduced (electrolyzed hydrogen) water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days.



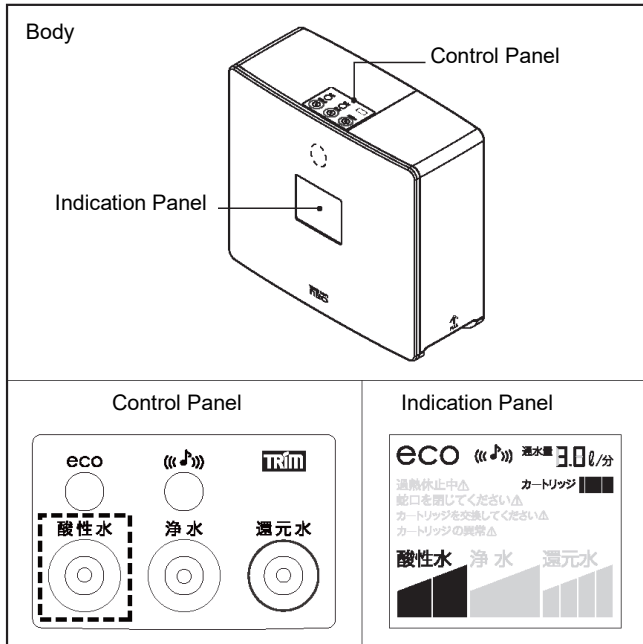
Instruction

- **White impurities may float on reduced (electrolyzed hydrogen) water or may be stuck to containers, such as pots, where the water is contained. These impurities are deposited calcium in water and cause no problems for drinking. If you have anxiety about them, lower the Hydrogen Water Level before using the apparatus.**



Taking in Acidic Water

● Intake procedure for acidic water

- (1) Press the Acidic Water button on the control panel of the body.
- (2) The indication panel turns orange and shows the Acidic Water mode and the selected level.



- (3) Select an Acidic Water Level (from two levels) according to its application.

Applications of acidic water (just a rough guide)			Estimated pH
Acidic Water 	Level 1 Facial cleansing	For facial cleansing (Slightly acidic near the skin)	4.5-6.8
Acidic Water 	Level 2 Washing	For washing dishes	3.5-5.5

- (4) Turn the switching lever of the branch faucet to switch to **Purified Water**. Then, open the faucet to run water through the apparatus.
- (5) A buzzer starts.
*When a buzzer starts, stable acidic water can be taken in. Take it in from the water intake.
- (6) When you finish taking in acidic water, stop running water. Then, the buzzer stops.
- (7) One minute after buttons are operated or water running is stopped, the lighting of the indication panel will be turned off, and "eco" will flash slowly. This means the body goes into the power-saving wait mode.

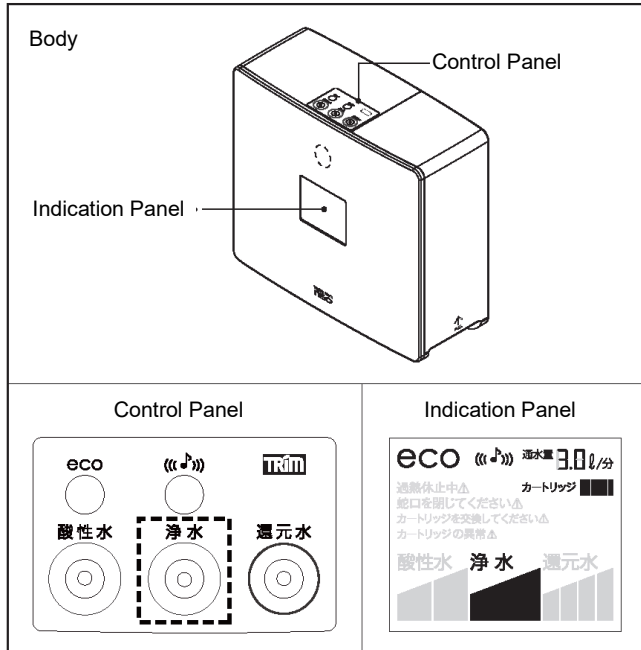
● How to use acidic water and precautions

- Use acidic water for facial cleansing and washing dishes.
- Do not drink acidic water.
- To store acidic water, contain it in clean, well-closed containers, such as plastic bottles, and then use it within two days.

Taking in Clean Water

● Intake procedure for clean water

- (1) Press the Clean Water button on the control panel of the body.
- (2) The indication panel turns green and shows the Clean Water mode.



Applications of clean water

Clean Water	Medicines Formula	For taking medicines, formula for babies, drinking, etc.
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- (3) Turn the switching lever of the branch faucet to switch to **Purified Water**. Then, open the faucet to run water through the apparatus.
- (4) Two to three seconds after water starts flowing out, you will be able to take in stable clean water. Take it in from the water intake.
- (5) When you finish taking in clean water, stop running water. One minute after buttons are operated or water running is stopped, the lighting of the indication panel will be turned off, and "eco" will flash slowly. This means the body goes to the power-saving wait mode.

● How to use clean water and precautions

- Before using the apparatus, press the Acidic Water button to run water with Acidic Level 2. The duration of water running is estimated as shown in the table below.

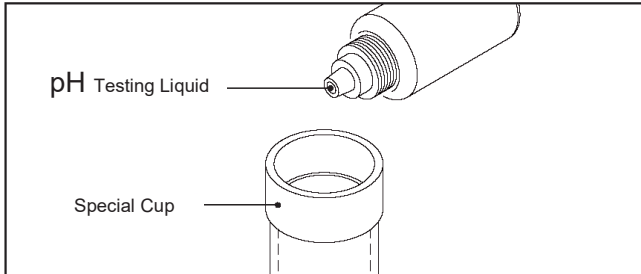
At bedtime or when not used for six hours or more	About 5 sec
At start of everyday use	About 30 sec
After not used for a day or more	About 1 min
After not used for two days or more	About 3 min
After not used for a week	About 5 min
At first use or after purification cartridge replaced	About 5 min

After running water, press the Clean Water button for drinking.

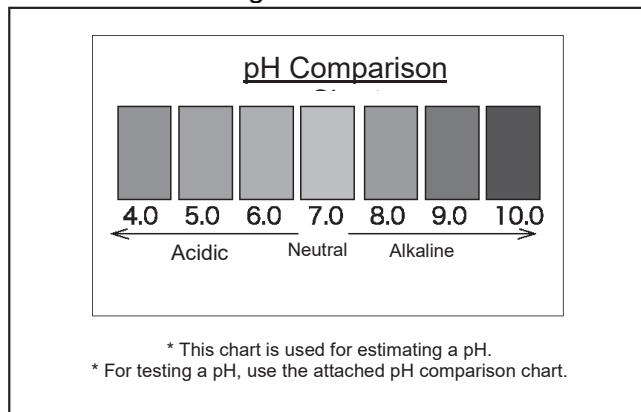
- Clean water is filtered tap water, containing a few impurities. It is not electrolyzed.
- Use it for taking medicines and formula for babies.
- Drink clean water as soon as possible after taking it in. To store clean water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days.

pH Testing Procedure for Reduced (Electrolyzed Hydrogen) Water

- (1) Pour reduced (electrolyzed hydrogen) water into the special cup until the water level reaches a scale of 80%.
- (2) Put a drop of the pH testing liquid into the special cup.



- (3) Check that the discolored reduced (electrolyzed hydrogen) water falls between 9.0 and 10.0 on the pH comparison chart. If the water is outside the range, adjust it according to the right pH Adjustment Procedure for Reduced (Electrolyzed Hydrogen) Water. Do not drink the water used for testing.



Information

- You can drink reduced (electrolyzed hydrogen) water with the Hydrogen Water Level for a pH of less than 10 and clean water.
- The pH may vary depending on the water quality (due to areas, seasons, and temperature) and the flow of water running through the apparatus. Test the pH at the first use of the apparatus and subsequently once a month or more to check that the pH of reduced (electrolyzed hydrogen) water falls within the target range before drinking the water.
- If you drink it for the first time, drink a small amount of water with Hydrogen Water Level 1.
- Do not put the pH testing liquid into the eyes nor swallow it. To store the pH testing liquid, be sure to replace the cap and store the liquid in a place unreachable by infants. Do not use

the liquid near fire.

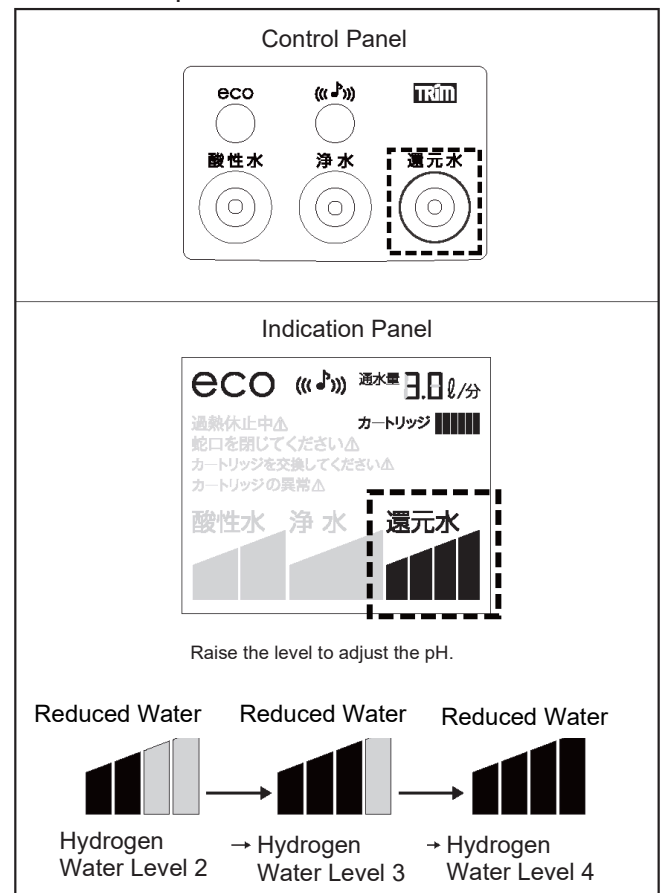
pH Adjustment Procedure for Reduced (Electrolyzed Hydrogen) Water

If the pH of reduced (electrolyzed hydrogen) water does not reach approximately 9, adjust it in the following way.

(First, adjust the pH according to [1]. If you still cannot adjust it, follow [2] and [3] in that order.)

[1] Adjustment with the Reduced (Electrolyzed Hydrogen) Water button

Press the Reduced (Electrolyzed Hydrogen) Water button on the control panel to change the pH of reduced (electrolyzed hydrogen) water. The pH of the water increases in the order of Hydrogen Water Levels 1, 2, 3, and 4. Drink water with a pH of 9 to less than 10.



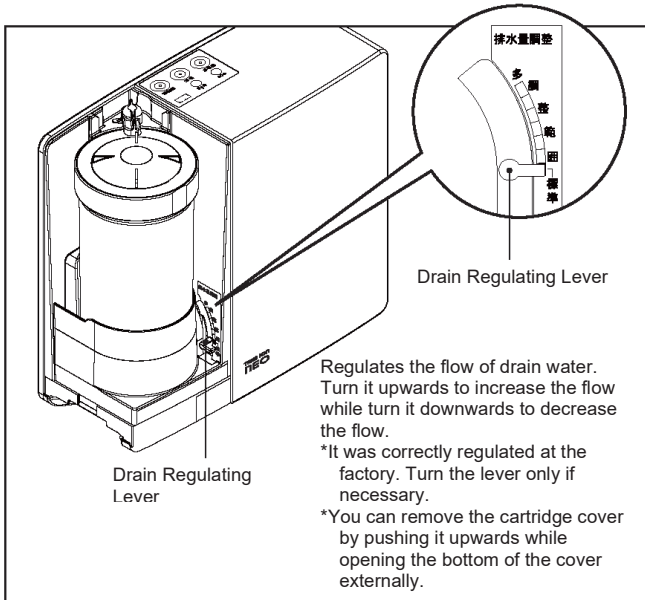
If the pH is still low, follow the next adjustment of [2].

[2] Regulating the flow of water running

Close the faucet a little to reduce the flow of water running. Then, the pH of reduced (electrolyzed hydrogen) water will rise. If the pH is still low, follow the next adjustment of [3].

[3] Regulating the flow of drain water

Turn the drain regulating lever upwards to increase the flow of drain water. Then, the pH of reduced (electrolyzed hydrogen) water will rise. The drain regulating lever is placed on the cartridge holder of the body. (See the figure below.)



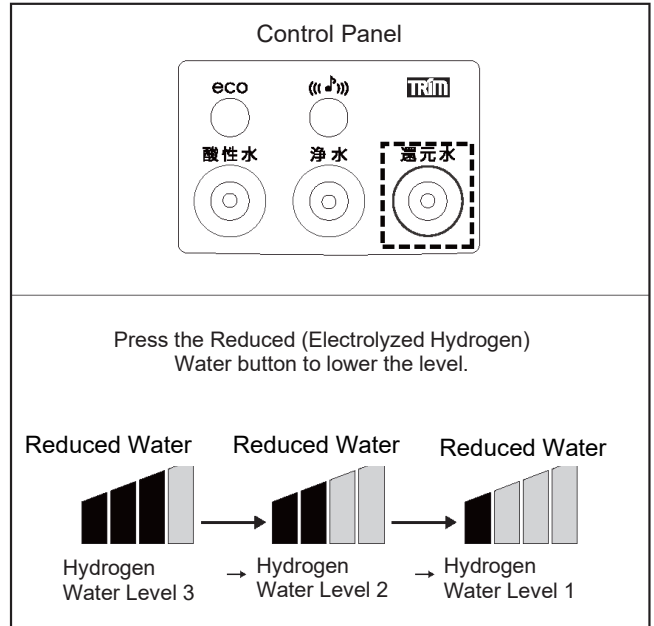
Information

- When the purification cartridge is newly installed, the pH may increase temporarily, but this is not a fault. Check the pH about a week later.

When a pH is high

If a test shows a pH of 10 or more, adjust it according to the following procedure.

Press the Reduced (Electrolyzed Hydrogen) Water button on the control panel to change the pH of reduced (electrolyzed hydrogen) water.



The Hydrogen Water Level indication switches to 1 -> 2 -> 3 -> 4 -> 1 every time you press the button.

Replacing the Purification Cartridge

- The product name of a spare purification cartridge is Premium Micro Carbon CM α Cartridge (page 31). The criteria for replacing the purification cartridge are as follows. Replace the purification cartridge if any of them are applicable.

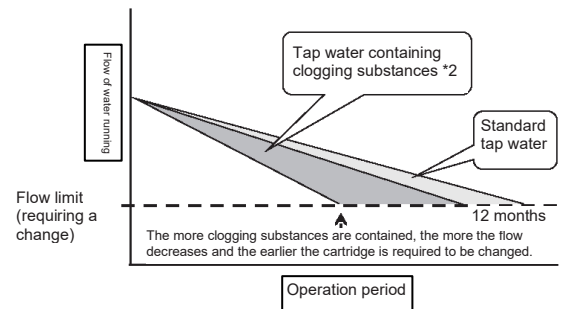
(i) The cartridge is used for about 12 months (for an amount of 19 liters per day).

(ii) The amount of used purified water reaches 7,000 liters. *1

(iii) The flow of purified water running is extremely low. *2

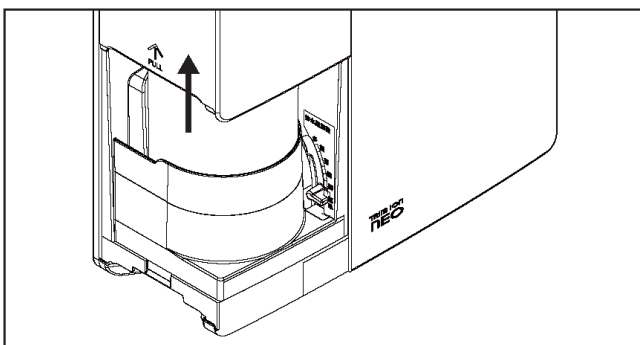
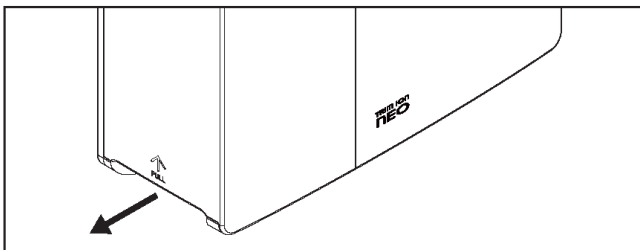
(iv) The apparatus is not used for one month or more. *3

- “Purified water” is a general term for reduced (electrolyzed hydrogen) water, acidic water, and clean water, meaning filtered water through the purification cartridge.
- ※1 The amount of used purified water means the total of the amounts of water intake from the branch faucet and drainage from the drain hose.
When (i) or (ii) is applicable, whichever is the earlier, the indication panel shows the Replace Cartridge indication with yellow flashing to notify you to replace the purification cartridge. Prepare a spare purification cartridge (sold separately) (page 31).
Replace the purification cartridge immediately within two weeks. (For the Remaining cartridge indication, see page 17.)
- ※2 The flow of water running may drastically decrease to the limit, depending on the water quality, and then the cartridge is required to be replaced. (See the right figure.)
If tap water contains many clogging substances (such as impurities and iron rust), in particular, the flow of water running drastically decreases. In this case, the warning valve of the branch faucet will be activated, spouting water along with a warning buzzer (page 18).
- ※3 When purified water is not used for a month or more, residual free chlorine has been removed from reduced (electrolyzed hydrogen) water and the clean water remaining in the body. Thus, these types of water in the purification cartridge may change in quality, such as containing many bacteria, so we recommend replacing the purification cartridge with a new one.




Replacing the purification cartridge

- To reset the apparatus, do not disconnect the power plug when you replace the purification cartridge.
- Close the faucet.
- Insert your finger under the body as shown below. Then, while pulling the cartridge cover toward you from the inside, slide the cover upwards to remove it.

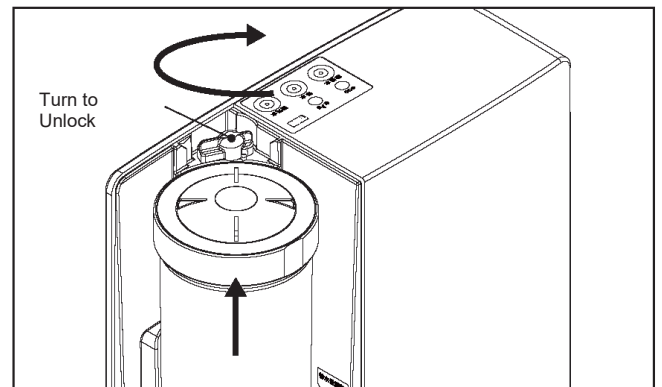


- Turn the cartridge lock lever to unlock the purification cartridge and pull up the cartridge.



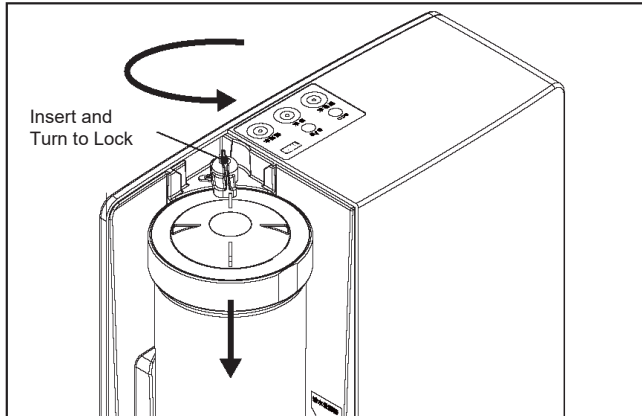
Instruction

- When you pull up the purification cartridge, water leaks from the body and the cartridge. Wipe it with a dry cloth.**

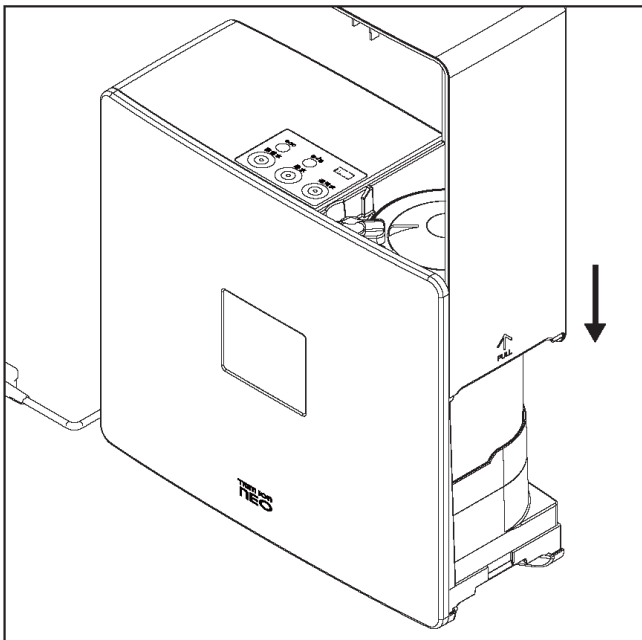


- (5) Insert a new purification cartridge completely into the cartridge holder of the body. Be sure to turn the cartridge lock lever to lock the new cartridge.

※ Otherwise, water leaks will result.

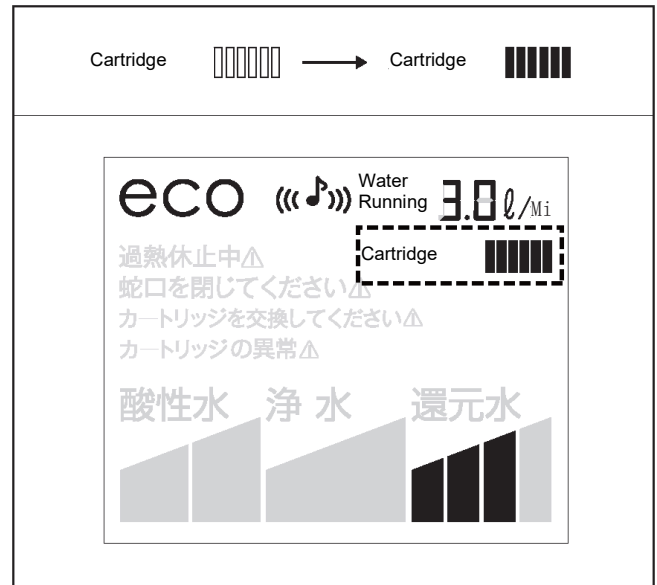


- (6) Attach the cartridge cover to the body. *If the cartridge is locked poorly, the cartridge cover will not close.



 Instruction	<ul style="list-style-type: none"> ● Precautions for replacing the purification cartridge When you pull up the purification cartridge from the body, water leaks from the bottom of the cartridge. Be careful that water does not pour onto the top of the body. Otherwise, faults may result. If water pours accidentally, wipe it immediately with a dry cloth.
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- (7) To reset the apparatus, press both the eco and ((J)) buttons for two seconds or more.
- (8) After resetting the apparatus, run water through the body to check that the indication panel shows the following Remaining cartridge indication and that the Replace Cartridge indication disappears.



- (9) Then, run water for about five minutes with Acidic Level 2 before using the apparatus.

 Instruction	<ul style="list-style-type: none"> ● Do not run water when you are replacing the purification cartridge. Otherwise, faults may result. ● Do not impact on or peel the sticker on the purification cartridge. Otherwise, the apparatus will not operate correctly.
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Information	<ul style="list-style-type: none"> ● When the purification cartridge is newly installed, the pH may increase temporarily but this is not a fault. Check the pH again about a week later.
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Troubleshooting

When a problem is not resolved by troubleshooting

Disconnect the power plug from the outlet, and then connect it again 15 seconds later.
If the same problem still happens, contact the sales agent.

In the case of faults, check the following before requesting a repair.
Do not disassemble or repair the apparatus by yourself.

Problem	Check	Troubleshooting
The indication panel is not turned on or the buttons do not operate.	<ul style="list-style-type: none"> ● The “eco” indication flashes slowly. ● Reduced (electrolyzed hydrogen) water/acidic water runs continuously for two hours or more. 	<ul style="list-style-type: none"> ● The apparatus is in the power-saving wait mode (page 17). Press the water intake switching button or run water through the body. ● The apparatus has automatically stopped electrolysis and is in the wait mode due to continuous water running for two hours.
Water does not run or does so poorly though the faucet is open.	<ul style="list-style-type: none"> ● The branch faucet is clogged. ● The hoses are not connected correctly. ● The hoses are bent. ● Water pressure is extremely low. ● Tap water is cut off or frozen. ● The purification cartridge is clogged. (It may be clogged earlier depending on the water quality.) 	<ul style="list-style-type: none"> ● Clean it (page 18). ● Connect them correctly (page 13). ● Ensure they are not bent. ● Use water with a pressure of 50 kPa or more. ● Wait for water to start running. ● Replace the purification cartridge (page 24).
Water leaks from the body.	<ul style="list-style-type: none"> ● The hoses are not connected correctly. ● The purification cartridge is not installed correctly. 	<ul style="list-style-type: none"> ● For connection procedures, see page 13. ● See page 25.
The pH of reduced (electrolyzed hydrogen) water is low.	<ul style="list-style-type: none"> ● The pH is not adjusted correctly. It may not be adjusted correctly depending on the water quality. 	<ul style="list-style-type: none"> ● For adjustment procedures, see page 22. If you cannot adjust it, consult the sales agent.
Water has an odor or a bad taste.	<ul style="list-style-type: none"> ● Water that remained in the body was not replaced at the start of use. ● The hoses are not connected correctly. ● The pH of water is extremely high. ● The purification cartridge is required to be replaced. 	<ul style="list-style-type: none"> ● Run water with Acidic Level 2 through the apparatus (page 5). ● Check their connections (page 13). ● Test the pH (page 22). ● Replace the purification cartridge (page 24).
“Close Faucet” is indicated with a buzzer.	<ul style="list-style-type: none"> ● When you press the switching button when water is running, “Close Faucet” may be indicated. ● The flow of water running is extremely high. ● This message may be indicated because of continuous use for about 20 minutes. 	<ul style="list-style-type: none"> ● Operate the switching button with the faucet closed. ● Lower the flow of water running to 5.4 L/min or less. ● Close the faucet.

Problem	Check	Troubleshooting
White impurities may float on reduced (electrolyzed hydrogen) water or may be adhered to containers, such as pots, where the water is contained.	<ul style="list-style-type: none"> ● See the information on the right. 	<ul style="list-style-type: none"> ● These impurities are calcium contained in reduced (electrolyzed hydrogen) water. They cause no problems for drinking. If you have any anxiety about them, lower the Hydrogen Water Level (page 23).
The Hydrogen Water Level/Acidic Level indication flashes.	<ul style="list-style-type: none"> ● Water is running continuously through the apparatus. 	<ul style="list-style-type: none"> ● This is not a fault. The level is lowered to control the overheating of the body. Stop running water and wait a minute (page 17).
“Replace Cartridge” is indicated though the purification cartridge was replaced.	<ul style="list-style-type: none"> ● Water is not running through the body. ● The purification cartridge or the body may have errors. 	<ul style="list-style-type: none"> ● Run water through the body. ● Consult the sales agent.
“Cartridge Error” and “Replace Cartridge” are indicated though the purification cartridge was replaced.	<ul style="list-style-type: none"> ● The installed purification cartridge is not our original one. ● The purification cartridge or the body may have errors. 	<ul style="list-style-type: none"> ● Consult the sales agent.
Only “Cartridge Error” is indicated repeatedly though the purification cartridge was replaced.	<ul style="list-style-type: none"> ● The purification cartridge or the body may have errors. 	<ul style="list-style-type: none"> ● Consult the sales agent.
The Remaining cartridge indication flashes.	<ul style="list-style-type: none"> ● The indication may flash when the power plug is connected/disconnected or upon a power failure. 	<ul style="list-style-type: none"> ● Run water through the body.
The apparatus is powered off with a buzzer.	<ul style="list-style-type: none"> ● See the information on the right. 	<ul style="list-style-type: none"> ● Disconnect the power plug from the outlet and then connect it again 15 seconds later.
The indication panel is turned red with a buzzer.	<ul style="list-style-type: none"> ● See the information on the right. 	<ul style="list-style-type: none"> ● The body has errors. Disconnect the power plug immediately and contact the sales agent.
The sound is interrupted repeatedly when reduced (electrolyzed hydrogen) water is being taken in.	<ul style="list-style-type: none"> ● The flow of water running is extremely low. ● The flow is one liter per minute or less. 	<ul style="list-style-type: none"> ● Open the faucet additionally. If the same problem still happens, consult the sales agent.
Water runs from the branch faucet with an unusual sound.	<ul style="list-style-type: none"> ● Water pressure is extremely high, or the flow of water running is extremely high. ● The hoses are bent. ● The purification cartridge may be clogged. (It may be clogged earlier depending on the water quality.) 	<ul style="list-style-type: none"> ● Close the faucet a little. ● Route the hoses straight. ● Replace the purification cartridge (page 24).
Water leaks from the body during a purification cartridge replacement.	<ul style="list-style-type: none"> ● See the information on the right. 	<ul style="list-style-type: none"> ● This is not a fault. Wipe it with a dry cloth. *Before a purification cartridge replacement, run water for a few seconds. After stopping water running, pull out the cartridge and then a water leakage will decrease.
Water drains from the drain hose for a while after water running is stopped.	<ul style="list-style-type: none"> ● See the information on the right. 	<ul style="list-style-type: none"> ● This is not a fault. Water that remained in the body is drained.

FAQ

Question	Answer
Why is the pH of reduced (electrolyzed hydrogen) water not raised though Hydrogen Water Level 4 is set?	Adjust the pH according to the "Adjustment Procedure for the pH of Reduced (Electrolyzed Hydrogen) Water" (page 22).
Why are the sounds and buzzers not activated though the lever of the branch faucet is set to "Purified Water" and water runs through the apparatus?	If the flow of water running through the apparatus is extremely low, electrolysis is not conducted. Open the faucet to increase the flow of water running through the apparatus.
Can the apparatus apply hot water?	Use water at a lower temperature than 35°C for reduced (electrolyzed hydrogen) water, acidic water, and clean water. Use water at a lower temperature than 60°C for tap water (hot/cold water).
How long can reduced (electrolyzed hydrogen) water be stored?	To store the water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days.
How much does the amount of hydrogen decrease in reduced (electrolyzed hydrogen) water when the water is stored.	To store the water, contain it in a fridge with clean, well-closed containers, such as plastic bottles, and then drink it within two days. After a day, the amount of hydrogen will decrease to approximately 70% of that at the generation.
Will hydrogen in reduced (electrolyzed hydrogen) water disappear if the water is boiled?	Hydrogen will drastically decrease because it disappears on contact with air.
Which type of water can I use for forming ice?	Use clean water if you form ice with an automatic ice maker. If you do so with an ice tray, use reduced (electrolyzed hydrogen) water.
Which type of water can I use for taking vitamin supplements?	Since vitamin supplements are not pharmaceuticals, use reduced (electrolyzed hydrogen) water or clean water. However, you must follow the supplement's direction.
Can I use reduced (electrolyzed hydrogen) water for drinking water for pets and fish tanks.	Do not use reduced (electrolyzed hydrogen) water for these purposes because the water is applicable to humans. Use clean water from which impurities are removed.
How much can the purification cartridge purify water?	The purification cartridge is found to be capable of purifying 7,000 liters of water. Replace the purification cartridge when it is required to be replaced. However, the cartridge may be required to be replaced at a lower amount than 7,000 liters depending on the water quality (page 24).
How can I dispose of a purification cartridge?	Follow the classification of waste in your area. The cartridge consists of outer plastic and inner activated carbon.
Can the apparatus apply groundwater?	It may not be used. Request a water quality analysis institution, such as the public health center, to conduct a water quality test, checking whether the groundwater can be drunk before using it.
Why does my radio make noise?	Your radio may make noise when the apparatus is being used. Keep your radio away from the apparatus.

Specification 1. Body of Apparatus

General name: Continuous Water Electrolyzer

Product name: TRIM ION NEO

Generated water intake style: 2-way style

Rated voltage: 220 VAC

Rated frequency: 50-60 Hz

Rated current: 2.5 A AC

Rated electrolysis voltage: 50 VDC (MAX)

Standby power: Approx. 1 W

Power consumption: Approx. 260 W

Electrolytic baths: 4 (8 cells)

Electrodes: 5 platinum-coated electrodes

Electrode life: 1400 hours for electrolysis

(depending on conditions such as the amount of used water and the water quality)

Rated water intake (for a flowing water pressure of 180 kPa):

Reduced (electrolyzed hydrogen) water: Approx. 4 L/min (MAX)

Acidic water: Approx. 4 L/min (MAX)

Clean water: Approx. 5 L/min (MAX)

Intake and drain ratio (for a flowing water pressure of 100 kPa): About 5:1

Body-operating piping (hydrostatic) water pressure:

50 kPa (minimum operating water pressure) to 700 kPa

Body-operating water temperature: Lower than 35°C

Body weight: Approx. 3 kg

Power cord length: Approx. 2.7 m

Body size: 276 (W) x 248 (H) x 112 (D) mm

Electrolytic tank washing style:

Double Auto-Change Crossline Style

Power circuit: Switching regulator control system

Body protection devices: 8 A fuse (mounted on the substrate)

Branch faucet flow regulating valve

Branch faucet warning valve (for excessive water pressure prevention)

Constant current control circuit (an overcurrent prevention device)

Overheating prevention device

The specifications of this product are subject to change without prior notice, so these specifications may be different from those of the actual product. Thank you for understanding.

Manufactured by:

Nihon Trim Electric Machinery Co., Ltd.

1-5-2 Hotarugaoka, Nankoku-shi, Kochi-ken 783-0060
JAPAN

Specification 2. Purification Cartridge

Product name	Premium Micro Carbon CM α Cartridge
Material	ABS resin
Filter media	Nonwoven fabric, activated carbon, polyethylene, and polypropylene
Filtration flow (in the Clean Water mode)	3 L/min (maximum 5 L/min)
Minimum operating flowing water pressure	50 kPa
Purification capacity	See "Purification Capacity" below.
When to replace the purification cartridge	About 12 months later (for approximately 19 liters per day) *1 Total amount of used water: Approximately 7,000 liters "Replace Cartridge" will be indicated with a buzzer (page 24).
Precautions	See "Safety Precautions" and "Important Information" in this manual (pages 1-5).
Operating water temperature	Lower than 35°C
Nonfiltered substances	Iron, heavy metals (such as silver and copper), and salt (seawater) dissolved in water

- ※1. The cartridge may be required to be replaced much earlier depending on the amount of used water, the water quality, and water pressure (page 24).
Though the amount of used water does not reach 7,000 liters, the message will be shown after 12 months pass.

Purification Capacity

Free chlorine residual	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Impurities	(Total filtered water: 7,000 liters, 50% of a filtration flow, shown in a JIS S 3201 test)
Chloroform	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Bromodichloromethane	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Dibromochloromethane	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Bromoform	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Tetrachloroethylene	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Trichloroethylene	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Total trihalomethane *2	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
CAT (an agricultural chemical) *3	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
2-MIB (moldy odor) *4	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Soluble lead	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
1,2-DCE *5	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Benzene	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Geosmin (moldy odor)	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Anionic surfactant	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
Phenol	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JIS S 3201 test)
PFOS and PFOA *6, 7	(Total filtered water: 7,000 liters, filtration rate: 80%, shown in a JWPAS B.210 test)
Iron (soluble) *7	(Filtration rate: 80%, shown in a JWPAS B.210 test)
Iron (particles) *7	(Filtration rate: 80%, shown in a JWPAS B.210 test)
Soluble manganese *7	(Filtration rate: 80%, shown in a JWPAS B.210 test)
Aluminum (neutral) *7	(Filtration rate: 80%, shown in a JWPAS B.210 test)

- ※2. A general term for four chemicals: chloroform, bromodichloromethane, dibromochloromethane, and bromoform.
 ※3. Another designation of 2-chloro-4,6-bis(ethylamino)-1,3,5-triazine, and a type of agricultural chemical.
 ※4. An abbreviation of 2-methylisoborneol, and a cause of the moldy odor from tap water.
 ※5. An abbreviation of cis-1,2-dichloroethylene and trans-1,2-dichloroethylene.
 ※6. A type of organofluorine compound (PFAS).
 ※7. A substance according to the JWPAS B standards specified by the Japan Water Purifier Association (JWPA).

Options and Consumables

Consumables

- Purification cartridge (Product name: Premium Micro Carbon CM α Cartridge)
- Hose set (including a set of inlet/outlet hoses, a drain hose, a suction cup, and tie wraps)
- Branch faucet
- pH testing kit

Purchasing options and consumables

For the purchase of options and consumables, contact the sales agent.

Care

- **Do not pour water on the apparatus or wash it with water.**
 - If water is poured accidentally, wipe it with a dry cloth.
 - Do not use cleaning agents, bleaching agents, alcohol, benzine, thinner, cleansers, insecticides, and other chemicals.
 - For care, dampen a soft cloth and wring it.
 - For care, be sure to disconnect the power plug from the outlet.

After-Sales Service

- The purification cartridge is required to be replaced regularly to maintain the best water quality. When "Replace Cartridge" is indicated on the panel with a buzzer, contact the sales agent.
- The product was strictly inspected. In case of faults, do not disassemble or repair it by yourself but contact the sales agent.
- Spare performance parts will be stored for six years after the stop of production. (Performance parts are those necessary to keep the features of the product.)
- For other after-sales services, contact the sales agent.

Disposal

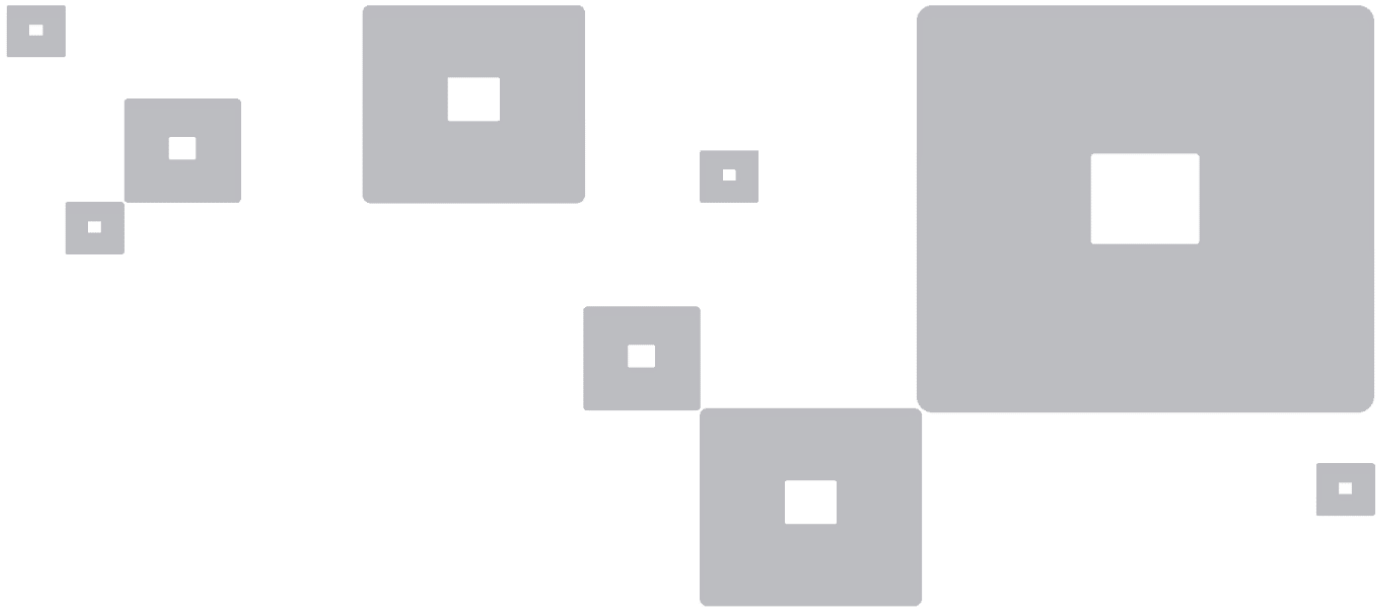
Body/consumables

Dispose of a used body, consumables, and accessories, such as hoses, according to locally specified disposal procedures.

Checklist

■ Final checks

- Did you read this instruction manual carefully?
- Did you check whether the water is suitable for this apparatus? (Page 5)
- Did you connect the power plug correctly?
- Did you apply the indicated power supply voltage (220 VAC) to the apparatus?
- Did you ensure that the power cord is not bent or damaged?
- Did you plug the power cord into an extension cord with other cables unplugged?
- Did you use the stable wall outlet?
- Did you make sure that the power cord is not fixed with anything, for example, staples?
- Did you install the apparatus in the correct place? (Page 5)
- Did you ensure that the hoses are not bent or twisted?
 - Did you avoid looping the drain hose or routing it at a higher place than the body?
- Do you understand troubleshooting for the accidental immersion of the apparatus in water? ("Safety Precautions" on page 1)
- Did you read the precautions for drinking reduced (electrolyzed hydrogen) water carefully? (Page 19)
- Did you read the precautions for using acidic water carefully? (Page 20)
- Do you understand how to store reduced (electrolyzed hydrogen) water? (Page 19)
- Did you adjust the pH of reduced (electrolyzed hydrogen) water correctly? (Page 22)



Nihon Trim Co., Ltd.

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