

echo[®]
electrically charged H_2O water



The Premier Water Ionization and Purification System

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Safety Precautions

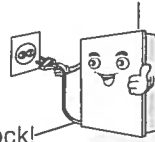
If a break down occurs, do not attempt to make repairs yourself. Contact customer service.



Electrical power precautions



If your ionizer becomes submerged in water, unplug the power cord from the wall BEFORE removing the ionizer from the water. Failure to do so may cause electric shock!



NEVER attempt to repair or service the unit yourself. Contact customer service. Attempting to do so will void your valuable warranty!



Do not use your ionizer at voltages other than specified. Use a GFI outlet. Do not plug in your ionizer where it will exceed the rating of outlet or electric wiring. Failure to do so can result in fire, injury and/or damage to yourself, wiring or ionizer!



NEVER touch the power cord or plug with wet hands – this may result in electric shock!

Ensure the power plug is firmly and properly inserted into the outlet – failure to do so may result in electric shock or fire!



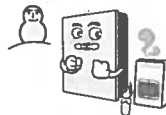
Do not wash your ionizer by immersion or by pouring water over the main body; always unplug your ionizer while cleaning the casing. Clean with damp sponge or cloth.



Installation Precautions



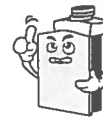
Protect your ionizer from freezing temperatures.



Protect your ionizer from direct sunlight.



Do not put anything heavy on top of your ionizer. Do not install your ionizer on an unstable or soft surface. Install only on a hard and level surface.



Maintenance Precautions



Always unplug your ionizer when changing the fuse or cleaning your ionizer – failure to do so may result in electric shock.

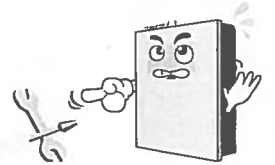
Safety Precautions

Common Sense Precautions



Do not attempt to repair or service the unit yourself. Contact your dealer. Attempting to do so will void your valuable warranty!

Make sure to use your **ionizer** only with potable water which is suitable for human consumption.



During Use

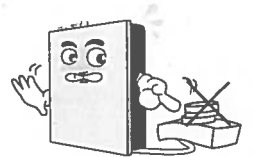


Do not run hot water through your **ionizer**.

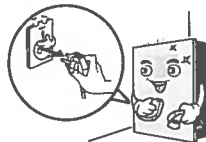
Do not clean by pouring water over or spraying the ionizer.



Do not close, bend, pinch, press or otherwise obstruct any ports or hoses.



Unplug your **ionizer** if you plan not to use it for an extended period or turn off the main power switch on the back of the unit. Filter replacement may be necessary



If the appliance makes strange or unusual noises or burning smells are detected, unplug the power cord immediately and contact your dealer to arrange service.

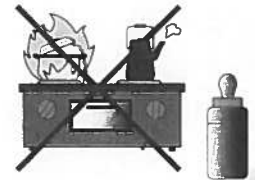




pH Reagent Liquid Precautions



Do not expose the pH measuring reagent to extreme heat, flames or fire. It is combustible.



Do not drink the pH reagent liquid, put it in the eyes or apply to the body.

- If the liquid is ingested, induce vomiting immediately and call a doctor.
- If the liquid gets in the eyes, flush immediately and thoroughly with cool water; call a doctor.
- If spilled or dropped on your body, wash it off immediately.
- It will stain permanently any surface spilled on. Handle carefully.



Make sure to keep the pH reagent liquid tightly closed and out of the reach of children.



Some helpful tips



For storing your alkaline water, glass or ceramic is best. Always try and keep your stored water cool and away from direct sunlight. You can use plastic, but only use lexan (number7) or poly bottles. It is always best fresh out of the machine and ideal if consumed on a day-to-day basis.

Do not store alkaline water in stainless steel, bronze or aluminum containers.



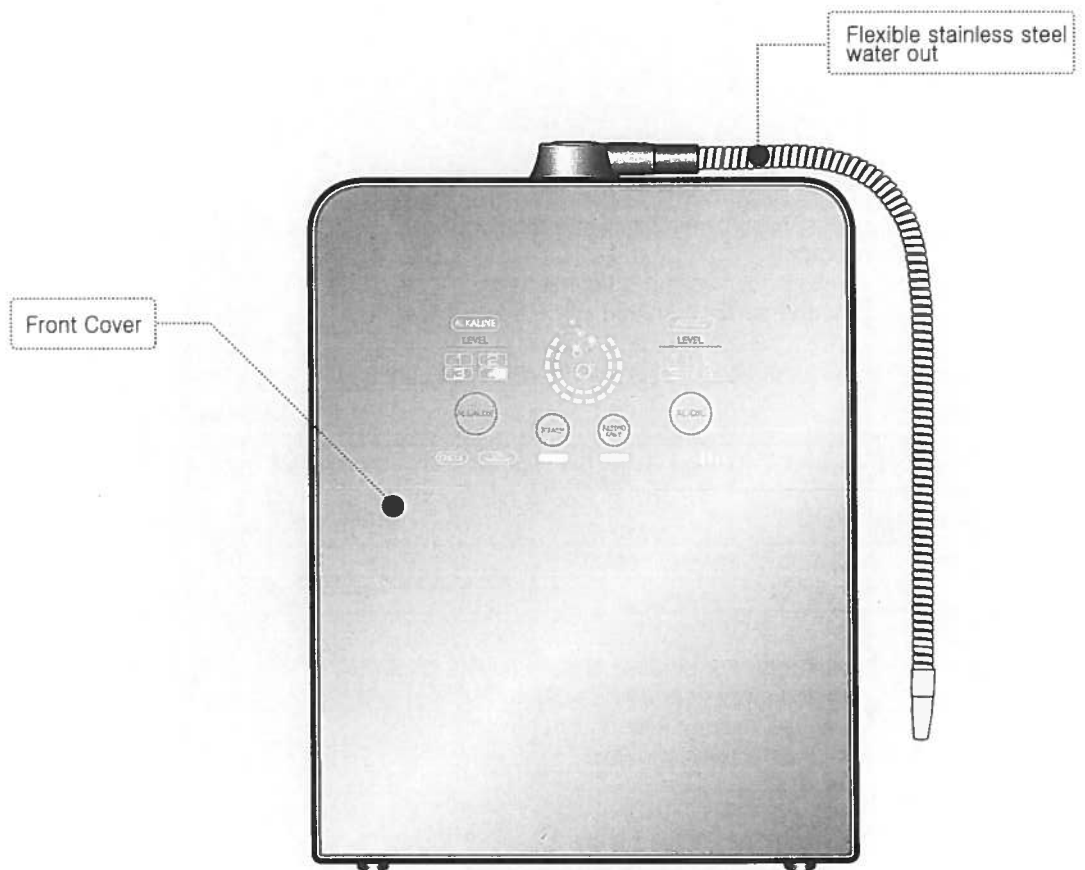
Save the box and Styrofoam your ionizer came packed in. This will help if your ionizer needs to be transported at a later date.

Do not use an ionizer downstream of a sodium-based ion exchange softening system.

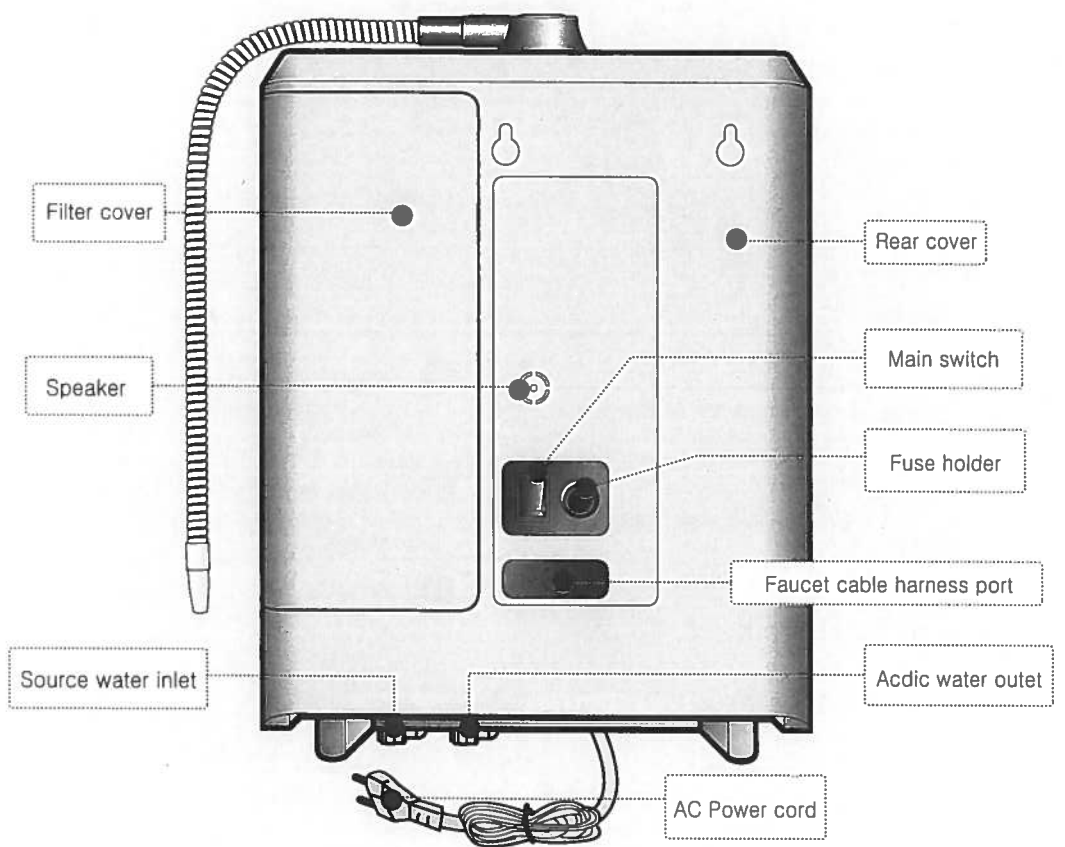
When using downstream from a reverse osmosis filtration system, make sure that the pressure in the holding tank is between 11-13lbs. It is also recommended to use a remineralizing filter.

Names and functions of Parts I

Front

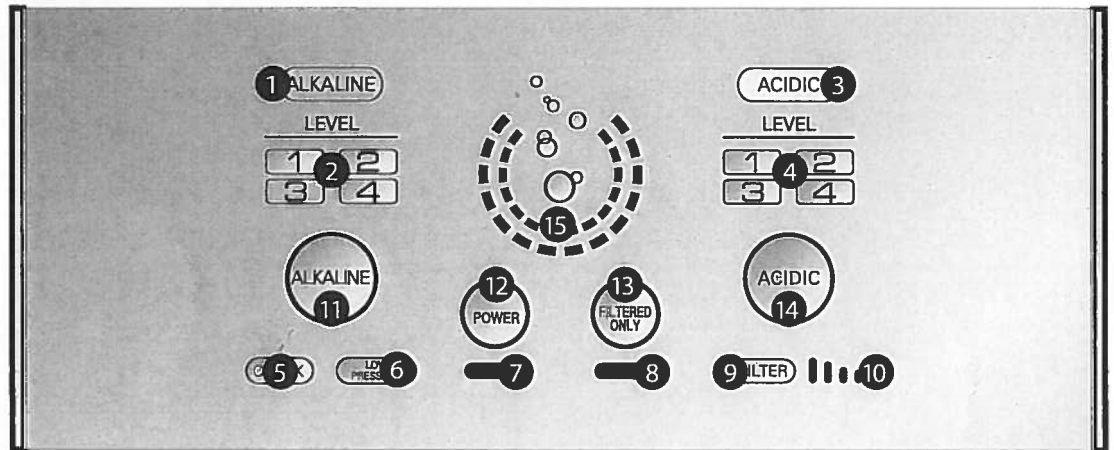


Back



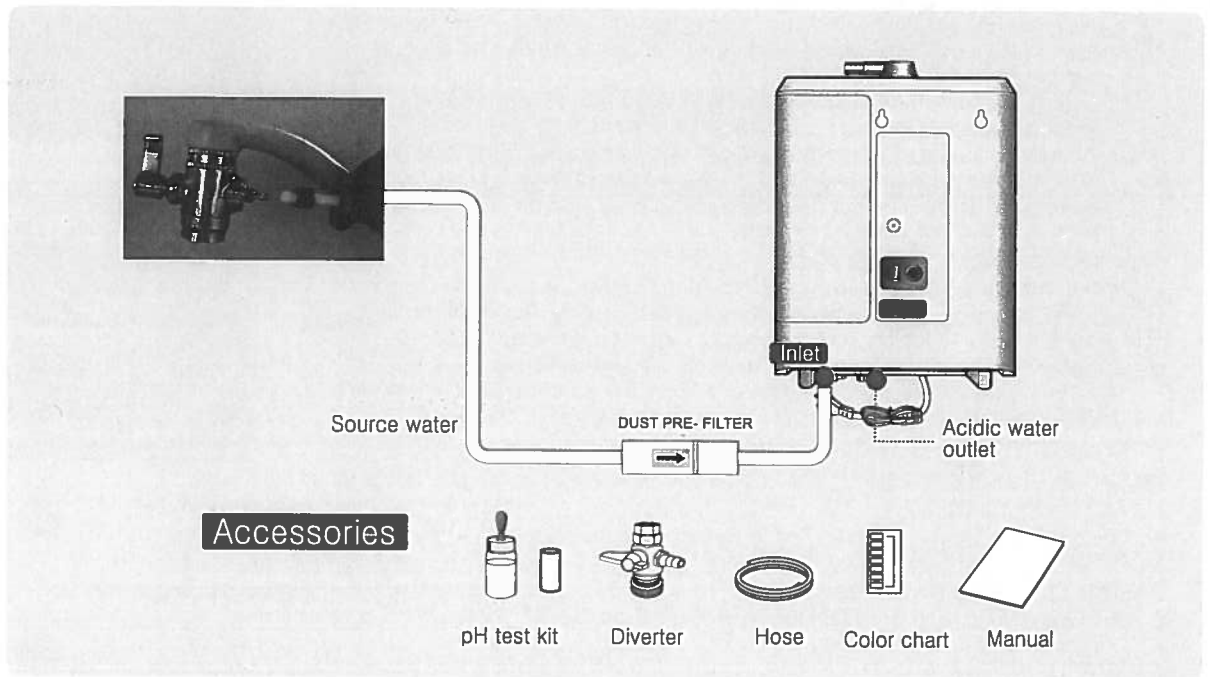
Names and functions of Parts

Indicators and controls



- | | |
|--|--|
| <p>1 Alkaline water display indicator
The blue indicator will light when alkaline water is selected.</p> <p>3 Acidic water display indicator
The orange indicator will light when acidic water is selected.</p> <p>5 Caution light
When this light is lit the appliance needs to be serviced.</p> <p>7 "Power" indicator</p> <p>9 Filter replacement indicator
Flickers when the filter needs replacing.</p> <p>11 "ALKALINE" select button
Used to select alkaline water and the desired level (1-4)</p> <p>13 "FILTERED ONLY" water button
Used to select filtered water.</p> <p>15 Water Flow Indicator</p> | <p>2 Alkaline Indicator
A blue symbol shows which level of alkaline water is selected.</p> <p>4 Acidic level indicator
An orange symbol shows which level of alkaline water is selected.</p> <p>6 Low water pressure indication</p> <p>8 FILTERED ONLY water display indicator
The green indicator will light when filtered only water is selected. (When selected, ionization is not functioning)</p> <p>10 Filter life indicator</p> <p>12 "POWER" button
Starts and stops water flow into your ionizer.</p> <p>14 "ACIDIC" select button
Used to select acidic water and the desired level (1-4)</p> |
|--|--|

How to Install



Installation method

Your ionizer gives you the option of three installation methods:

- 1) at your sink attached to your faucet with a diverter,
- 2) at your sink but plumbed directly to your cold water line (no diverter) and,
- 3) undersink – completely out of sight with a small Digital faucet.

It is recommended that methods

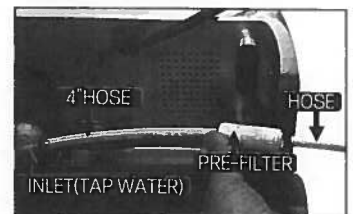
- 2) & 3) be done by a plumber.

Installation Method 1) At the sink with a diverter (easiest)

1. ATTACH DIVERTER TO YOUR TAP – Remove the aerator from tap (pliers may be required), and attach diverter valve in its place. There are adapters supplied in case the diverter does not fit your tap. If you have leaks at the diverter, use plumber's Teflon tape

2. CUT A FOUR INCH LENGTH OF WHITE HOSE – Using a very sharp utility knife, cleanly cut a four inch length of the white hose. The cleaner you make your cut, the less likely you will experience a leak.

3. ATTACH THE IN-LINE PRE-FILTER – There is a small arrow on the pre-filter indicating water flow direction. The arrow on the pre-filter will POINT towards the IONIZER indicating water flowing toward the ionizer. Insert the four inch length you cut into the end of the pre-filter making by pushing firmly ensuring the arrow is pointing at the end of the four inch hose. The four inch length will be between your ionizer and the pre-filter.

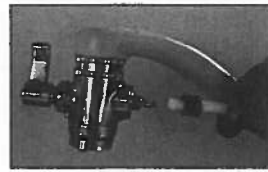


4. ATTACH THE SOURCE WATER INLET HOSE TO YOUR IONIZER – Attach the free end of the four inch length of white hose with the pre-filter attached to the Quick Connect Fitting on the bottom of the ionizer. To attach the white inlet hose, by pushing it firmly into the source water quick connect fitting. (To remove it, press on the end of the fitting and pull it out at the same time).
5. POSITION YOUR IONIZER – This can be beside the sink, to the rear of the sink, or on the wall above the sink (there are keyhole slots on the back for this). Make sure it is on a hard and level surface

How to Install

6. ATTACH THE SOURCE WATER INLET HOSE TO THE DIVERTER –
 - a. Insert the long length of white hose into the free end of the pre-filter (see photo).
 - b. Remove the small compression nut on the back side of the diverter opposite of the diverter lever.
 - c. Slide this nut over the end of the white hose with the threads positioned so you can screw it back onto the diverter.
 - d. Push the white hose firmly onto the nipple, and then screw the compression nut back onto the nipple. Make sure the nut is screwed firmly in place, but do not over tighten. If you are having trouble getting hose on to the nipple, try soaking it in hot water for a minute.
7. ATTACH THE ACIDIC OUTLET HOSE .

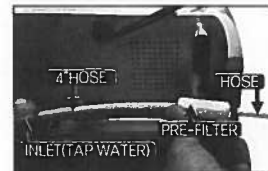
The ACIDIC OUTLET port is on the "bottom of the ionizer" and is labeled with a red sticker. First slide, one of the small squeeze clamps over the end of the hose. To make it easier to attach, soak the hose in a cup of warm water for 20–30 seconds. Firmly push the hose all the way onto the gray outlet port. Squeeze the clamp and slide it over the port. Ensure the opposite end runs down into the sink. Cut the hose to a convenient length.
8. CONNECT THE POWER CORD to an appropriate GFI outlet.
9. INSTALL FLEXIBLE STAINLESS STEEL SPOUT – Screw this into the port on the top of the ionizer. Do not over tighten.



Installation Method 2) At the sink under direct main pressure (more difficult)

- 1) SPLIT YOUR COLD WATER SUPPLY LINE – This can be accomplished in a variety of ways depending on how your plumbing is configured. Most commonly, you would install a "T" junction in the cold water line. T-angle stop adapter is supplied.
- 2) ATTACH THE TAP WATER INLET HOSE TO THE "T" Junction to angle stop adapter You will need a hole through which you can route the white hose from the "T" to your ionizer. Most newer sinks have cutouts that will work for this. Pull the hose up to the counter. You can also drill a $\frac{1}{4}$ in. hole in the counter top in an inconspicuous place. Route the source water line through this hole and connect to the T angle stop adapter on the cold water line undersink.
- 3) CUT A FOUR INCH LENGTH OF WHITE HOSE – Using a very sharp utility knife, cleanly cut a four inch length of the white hose. The cleaner you make your cut, the less likely you will experience a leak. You will use this piece in the next step.
- 4) ATTACH THE IN-LINE PRE-FILTER –

There is a small arrow on the pre-filter indicating water flow direction. The arrow on the pre-filter will POINT TOWARDS THE IONIZER indicating water flowing toward the ionizer. Insert the four inch length you cut into the end of the pre-filter making by pushing firmly ensuring the arrow is pointing at the end of the four inch hose. The four inch length will be between your ionizer and the pre-filter.
- 5) ATTACH THE FOUR INCH WHITE HOSE TO YOUR IONIZER – Attach free end of the four inch length of the hose into the gray port on the bottom of the ionizer by pushing it firmly into the grey source water inlet port. (To remove it, press on the end of the fitting and pull it out at the same time).
- 6) POSITION YOUR IONIZER – This can be beside the sink, to the rear of the sink. Make sure it is on a hard and level surface.
- 7) ATTACH THE ACIDIC OUTLET HOSE –The ACIDIC OUTLET port is on the bottom of the ionizer, and is labeled with a red sticker. First slide, one of the small squeeze clamps over the end of the hose. To make it easier to attach, soak the hose in a cup of warm water for 20–30 seconds. Firmly push the hose all the way onto the gray outlet port. Squeeze the clamp and slide it over the port. Ensure the opposite end runs down into the sink. Cut the hose to a convenient length.
- 8) CONNECT THE POWER CORD to an appropriate GFI outlet.
- 9) INSTALL FLEXIBLE STAINLESS STEEL SPOUT – Screw this into the port on the top of the ionizer. Do not over tighten.



Undersink Installation (most difficult)

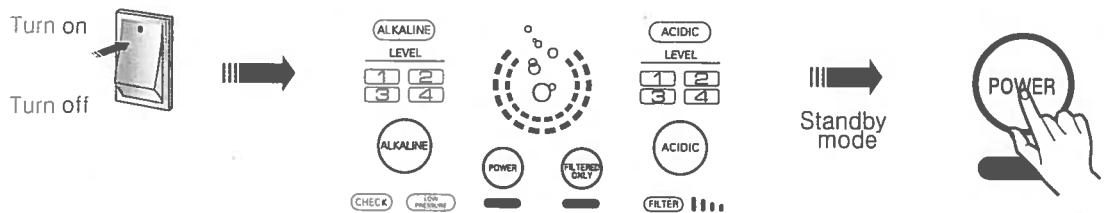
Undersink installations can only be accomplished with an Undersink Conversion kit. The conversion kit comes complete with everything needed to complete this type of installation. It is recommended that a plumber perform this type of installation.

How to Use

Initial operation

● POWER UP YOUR IONIZER.

- Depress the black power button located on the back of the ionizer to the "ON" position.
- The black power button is ALWAYS left on since the ionizer will go to sleep in between uses.
- You will hear a single chime and the display panel will illuminate for 2-3 seconds.
- With the power on and the display panel dark, your ionizer is now in standby mode.



● TURN ON THE WATER

- Turn on your water supply by opening your valve or faucet.
If you have your ionizer connected to your faucet with a diverter, turn the lever to "divert" the water to your ionizer.

● START WATER FLOW THROUGH YOUR IONIZER

- Depress the "POWER" button which opens the internal valve in your ionizer.
- The Digital Filter Life Indicator will begin and you will hear your ionizer's "voice" announcing the selected mode of operation. For instance: "Filtered only water selected".
- NOTE: The water may initially come out discolored (light to charcoal gray) due to carbon particulates in the new filter. This is not harmful and is typical of all carbon filters. Allow the water to flow for 2-3 minutes in the "Filtered Only" mode and this will flush all the carbon dust.

To select Alkaline water

- Repeat steps 1-3 above, or with water is already running through the ionizer then:
- Depress the "ALKALINE" button to select the desired setting from 1 - 4.
You will hear voice confirmation that "Alkaline water" has been selected, and the display panel will show a blue symbol and blue number corresponding to the level selected.
- Note: The water may initially come out discolored (light to charcoal gray) due to carbon particulates in the new filter. This is normal and is typical the first time you use a carbon filter.
Allow the water to flow for 2-3 minutes in the Filtered Only mode.
This will flush the carbon dust. Run the water until it becomes clear.
- To select a different level, depress the "ALKALINE" button to move to next level until the desired setting level is achieved. The blue symbol and number will change accordingly.

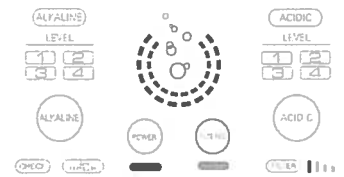
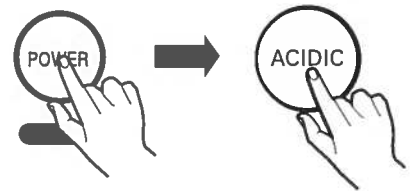


How to Use

To select Acidic water

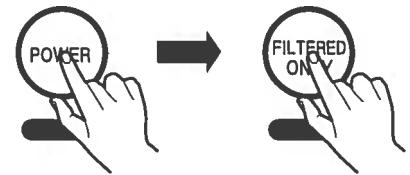
Note: Acidic water is for external use only. DO NOT DRINK

- Repeat steps 1-3 from Initial Operation; or with water is already running through the ionizer then:
- Depress the "ACIDIC" button to select the desired setting from 1 - 4. You will hear a voice confirmation that "Acidic water" has been selected, and the display panel will show an orange symbol and an orange number corresponding to the level selected.
- Note: Your ionizer will always "remember" the last setting used. If the previous selection was Acidic Level 2, when you start flow through the ionizer next time you use the ionizer it will automatically process at Acidic Level 2.
- To select a different level, depress the "ACIDIC" button to move to next level until the desired setting level is achieved. The orange symbol and number will change accordingly.



To select "Filtered Only" water

With water flowing through the machine, press the "FILTERED ONLY" button. You will hear a voice confirmation that "Filtered Only water" has been selected, and the display panel will show a green symbol. The Filtered water comes out of the stainless steel spout. Nothing comes out of the acidic outlet.



How to Shut off the water flow from your ionizer

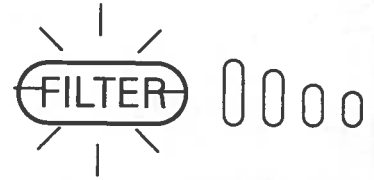
With water running through the ionizer, depress the power button. The water will stop and the display panel will go dark indicating the ionizer is in standby or "asleep".



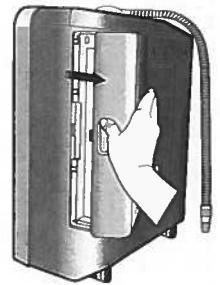
How to Replace the Filter

IMPORTANT! Stop water flow prior to filter replacement.

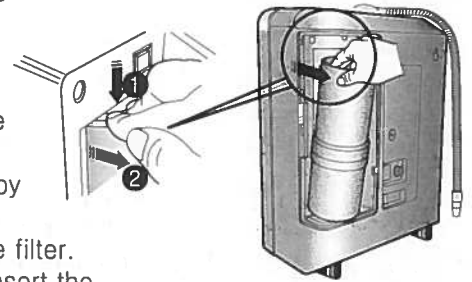
- When the digital filter life indicator reaches you see the flickering filter symbol, it is time to replace your filter.



- Open the filter housing cover.
 - slide the cover to the remove it.



- Remove the expired filter.
 - Taking hold of the filter securely with your right hand, press the filter firmly down against the spring loaded mechanism (figure1) to disengage the top of the filter and then pull it toward you (figure2) and up to remove it.
 - The upper part of the filter is separated from housing by pressing firmly down. Once you have engaged the spring loaded mechanism, you can then easily remove the filter from the main body by pulling it toward you.
 - There will be a gray filter cup at the bottom of the filter. Remove this piece from the expired filter and reinsert the cup into the base of the housing.



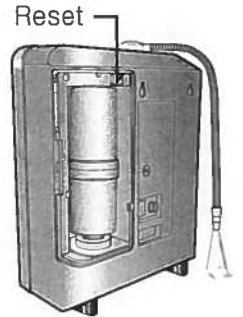
- Insert the new filter into the compartment.
 - Ensure the filter has been reinserted properly into the base.
 - Remove the plastic caps covering both ends of the new filter.
 - Seat the large opening on the bottom of the filter cartridge onto the base
 - Push the filter down and into the housing compartment ensuring the opening at the top of the filter is seated properly into the fitting at the top of the housing.



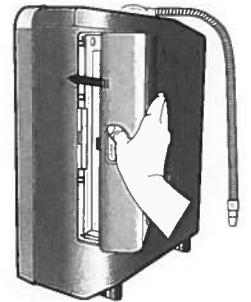
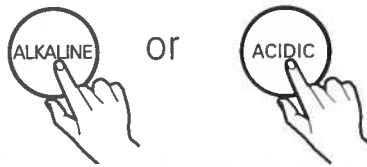
- Check for leakage by running water through your ionizer before replacing the Filter cover.

How to Replace the Filter

- Flush out the GAC carbon dust.
 - The water will initially come out discolored (light to charcoal gray) due to carbon particulates in the new filter. This is normal and is typical of all GAC filters. Allow the water to flow for 2-3 minutes in the "Filtered Only" mode until the water runs clear



- Reset the filter life indicator.
 - Press the Alkaline or Acidic button for 4 seconds while in standby mode (water not running through the ionizer)



- Replace the filter housing cover.



Please replace filter when any one of the following occur:

- When severely polluted water has been run through the ionizer and filter
- Excessive odor in output water and/or severely decreased flow rate
- After prolonged period of inactivity of over 30 days

Names and functions of Parts

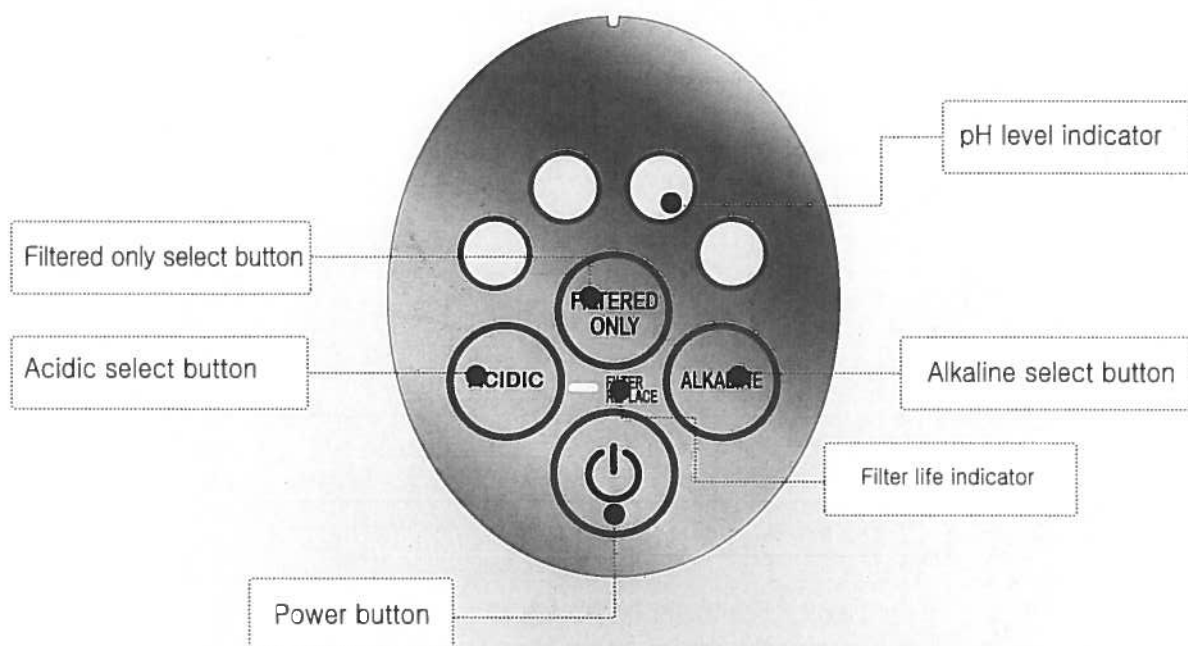
Product Specifications		
Product Manufacture Permission Number		No.610 by The Ministry of Health & Welfare
Feature		Ion water generator
Model		EI-7S
Input voltage		AC120V
Input Electricity(Power consumption)		3A
Weight		Approx 6.5kg 14.33 lbs.
Overall Dimention		245 X 130X 330(mm) 9.6 x 5.1 x 13 (in)
Applicable Water Inflow Pressure		0.7~5kgg/cm ² 10 – 50 psi.
Applicable Water Temperature		5~30 °C 41°-86°F
Unit Operation Type		One Touch - Automatical ionization Start
Unit Operation Means		Source - water - open and - close
Electolysis Device	Electrolysis Method	Continuous electrolysis
	Electrolysis Strength	..4 level
	Ionized Water Output Rate	Max 3 Liters/minute(alkaline+acidic water)
	Cleaning Device	Automatic & manual cleaning
	Electrode Materials	Platium and Titanium 7plates
Water Purifying Device	Filter Replacement	Easy replaceable cartridge
	Filter Life	Activated Carbon filter:approx 5~6 months basic 20 Liter/day
	Filter Life Indicator	FND indicator
	Filter Composition	Impregnated Carbon
Water Purifying Device		Auto Shut off
Water Supply		Direct connection to a source water

Names and functions of Parts II

Faucet



Display



- Power button
Starts and stops water flow into your ionizer.
- pH level indicator
This 4 of LEDs display will indicate which level (1-4) is selected.
- Alkaline select button
Used to select alkaline water and the desired level (1-4)
- Acidic select button
Used to select acidic water and the desired level (1-4)
- Filtered Only select button
Used to select filtered water.
Ionization is not functioning in this mode.
- Filter life indicator
Displays the current filter life used.
When the color change the Orange and flickers,
it is time to replace your filter.

Accessories (Needed for Faucet Installation)



Product Requirement :

Water pressure should be maintained at a constant rate, when the water pressure is too low, water cannot flow through the unit.



Circle nut



Gasket
(installed under
the Faucet)

1/4"



1/4"

Acidic hose

1/4"



5/16"

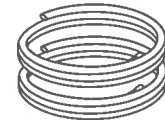
Alkaline hose



Dust Filter



Alkaline Water
Outlet Adapter



PE Hose (1/4")

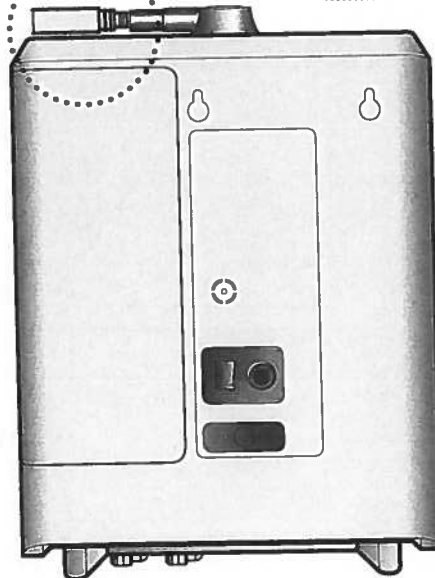


PE Hose (5/16")



Alkaline Water
Outlet Adapter
(Hole size : 5/16")

Please connect to top cap of the ionizer
for installation Faucet.



How to Install the faucet

To connect the faucet

All the fittings are push in style fittings. To attach the hoses to any fitting, firmly insert the end of the hose into the fitting. Pull firmly to check to connection – you should not be able to pull the hose out. To release the hose from the fitting, you must push the spring loaded ring protruding from the end of the fitting while pulling the hose out.

WARNING: incorrect installation could void your valuable warranty
 – professional installation is recommended.

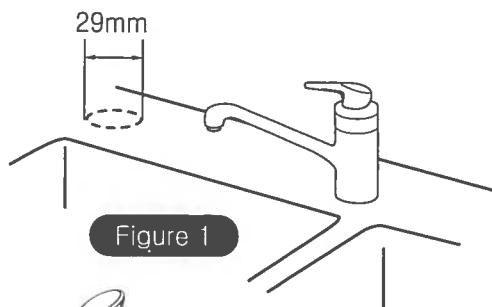


Figure 1

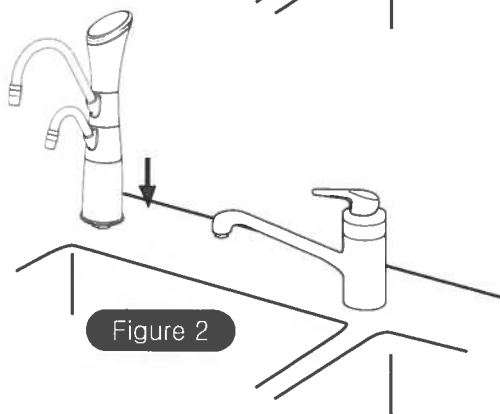


Figure 2

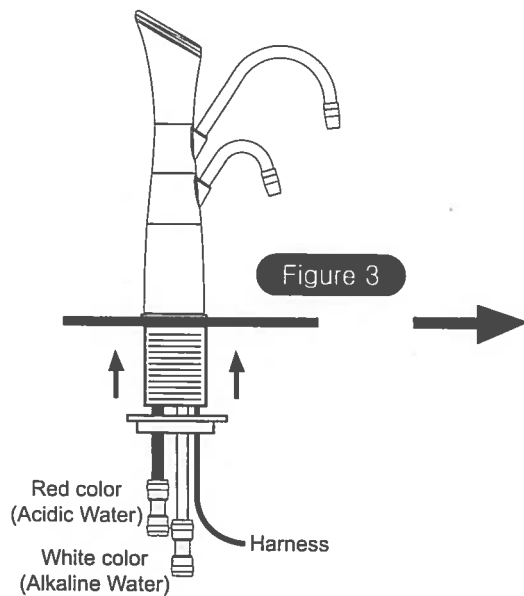


Figure 3

- Use appropriate tools to make 1.14 in. diameter hole in the location where you will set up the faucet. Make sure the faucet location will allow both spouts to reach the sink.
- Center the faucet in the hole properly over the gasket.
- Once, centered secure the faucet to the counter by tightening the circle nut undercounter until the faucet is secure and sufficiently tight.
- After the faucet is fixed, connect it to fitting with 5/16 in hose (for Alkaline) like figure 4. Check the hose whether it is inserted properly or not. Also, connect it with 1/4" hose (for Acidic) like figure 4 and connect the faucet to the body with connector cord.

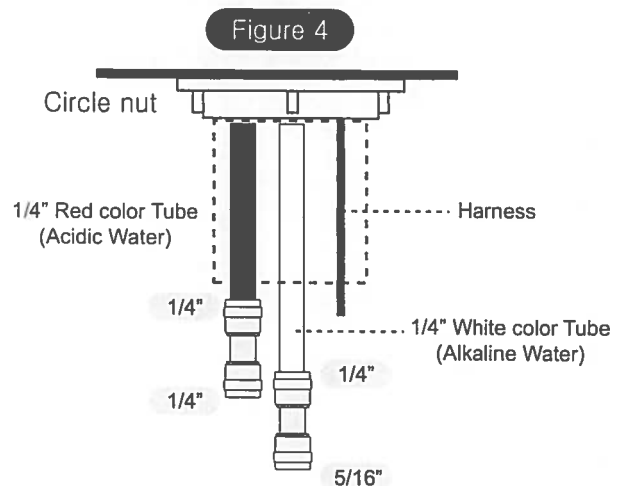
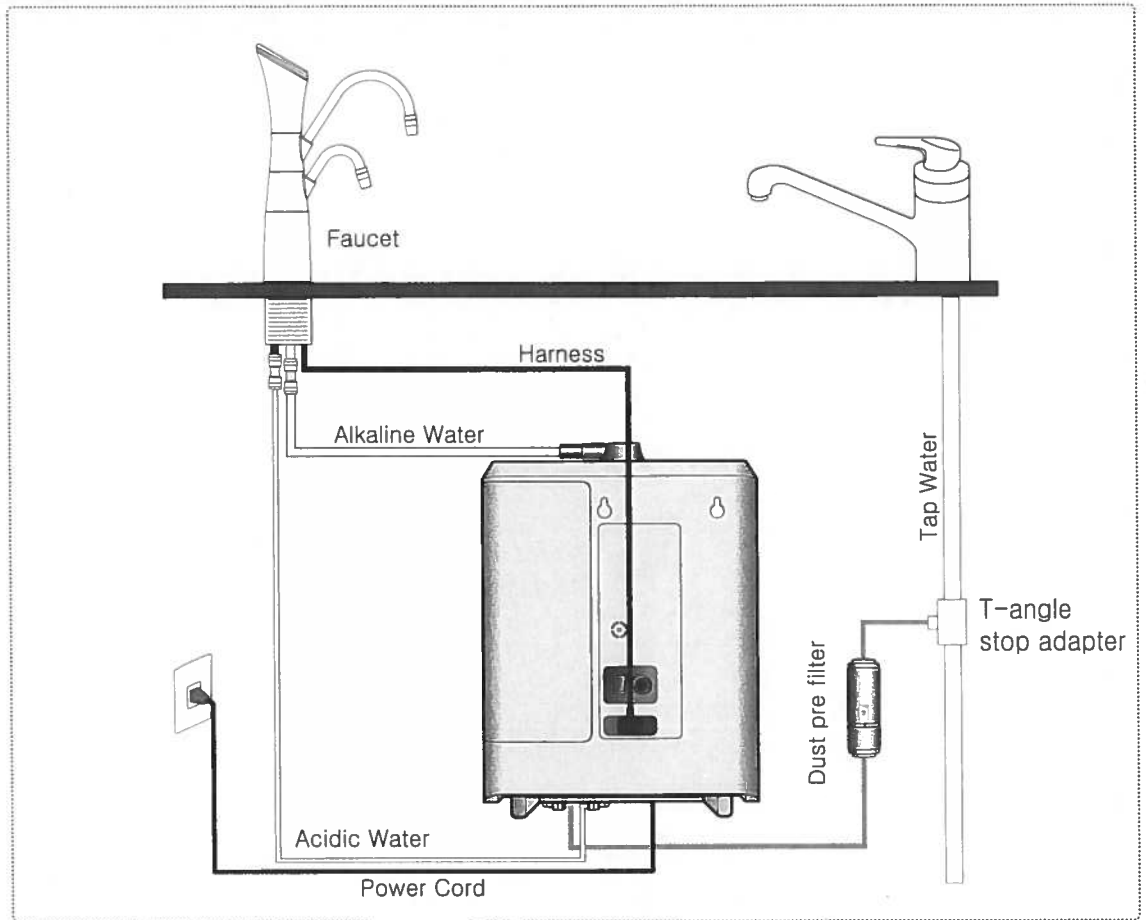


Figure 4

How to Install the Faucet



- Place the Ionizer in an appropriate place under your sink
- Connect the 1/4inch Acidic Water Hose to the small fitting on the Acidic Hose extending from the faucet to Acidic Water Outlet on the Ionizer. Pull firmly to check to connection – you should not be able to pull the hose out.
- Connect 5/16 inch Alkaline Water Hose attached to the Fitting of the faucet to the Alkaline Water Outlet on the ionizer. Pull firmly to check to connection – you should not be able to pull the hose out.
- Install the dust pre-filter in the middle of a length of 1/4 inch hose with the arrow pointed at the ionizer. Connect the 1/4 inch hose with dust filter to Tap Water Inlet on the bottom of the ionizer. Pull firmly to check to connection – you should not be able to pull the hose out.
- Plug the Connector Cord into the Connector Port on the ionizer.
- Connect the power cord into an appropriate outlet.
- Make sure the outlet you plug your ionizer into is always live You must use a non-switched outlet under the sink where you are installing the ionizer. Power to the ionizer must always be on.

How to Use the Faucet

Initial operation

- **POWER UP YOUR IONIZER.**
Turn the power button on.

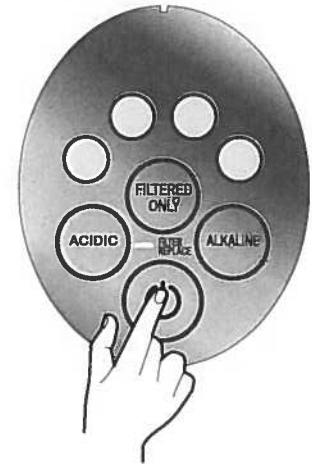


- Turn the power button to the "ON" position on the back of the ionizer.
- The power button is ALWAYS left on.

- **TURN ON THE WATER**
Turn on the water by opening the water supply valve.

- **START WATER FLOW THROUGH YOUR IONIZER**

- Depress the "POWER" button on the top of your faucet to start the water flow.
- NOTE: The water may initially come out discolored (light to charcoal gray) due to carbon particulates in the new filter.
- This is normal and is typical of all carbon filters. Allow the water to flow for 2-3 minutes in the "Filtered" mode and this will flush all the carbon dust.

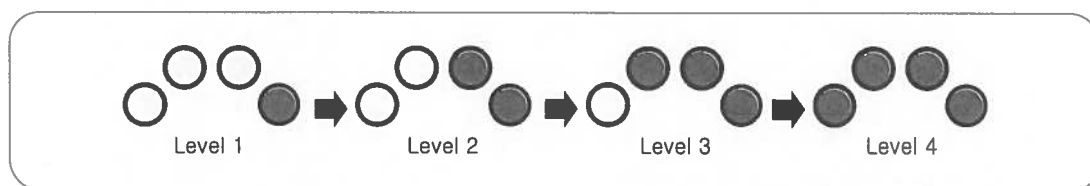
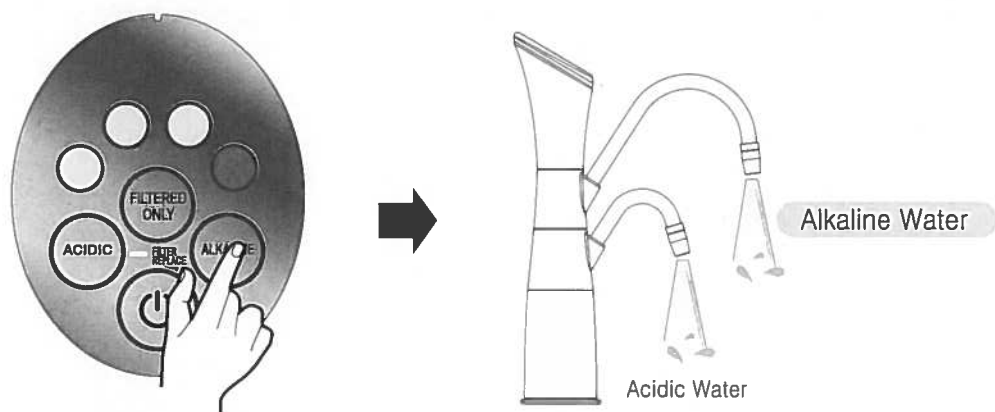


To select Alkaline water

- With the water running through your faucet then:
- Depress the "ALKALINE" button to select the desired setting from 1 - 4. The alkaline water will come out from the top spout. The display panel on the front of the faucet will show a blue Alkaline indicator and blue number corresponding to the level selected.
- Note: Your ionizer will always "remember" the last setting used. If the previous selection was Alkaline Level 2, when you start flow through the ionizer next time you use the ionizer it will automatically process at Alkaline Level 2.

How to Use the Faucet

- To select a different level, depress the "ALKALINE" button to move to next level until the desired setting level is achieved. The blue number will change accordingly.

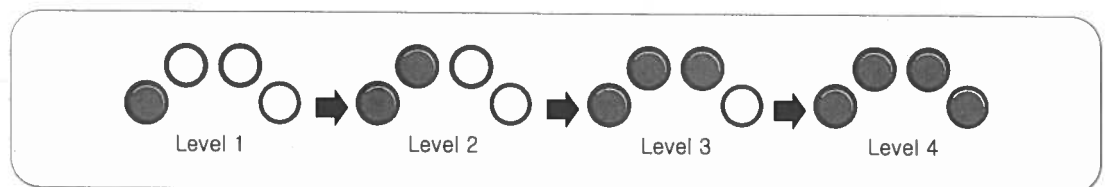
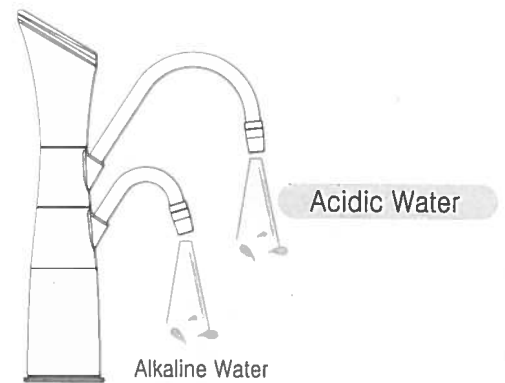
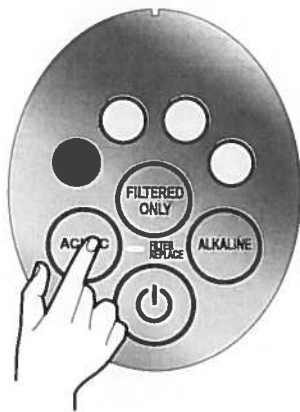


How to Use the Faucet

To select Acidic water

Note: Acidic water is for external use only. DO NOT DRINK

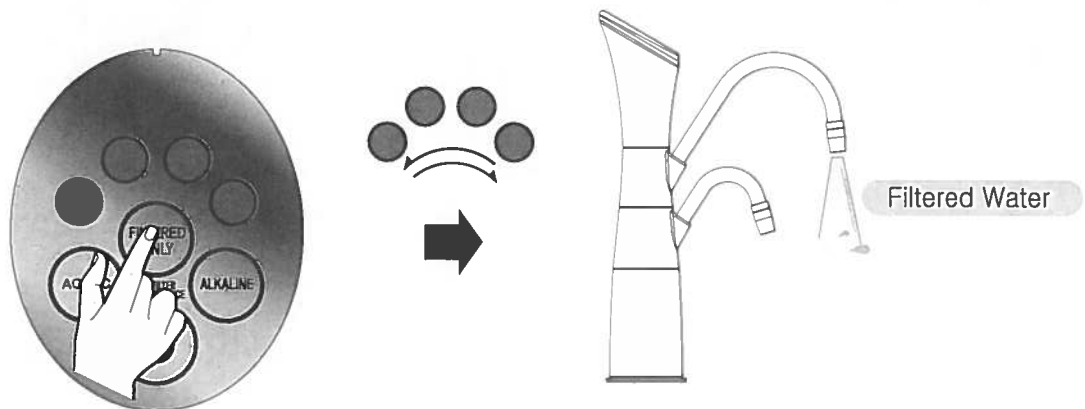
- With the water running through your faucet then:
- Depress the "ACIDIC" button to select the desired setting. The display panel will show an orange LEDs corresponding to the level selected. The Acidic water will come out from the top spout.
- Note: Your ionizer will always "remember" the last setting used. If the previous selection was Acidic Level 2, when you start flow through the ionizer next time you use the ionizer it will automatically process at Acidic Level 2.
- To select a different level, depress the "ACIDIC" button to move to next level until the desired setting level is achieved. The orange number will change accordingly.



How to Use the Faucet

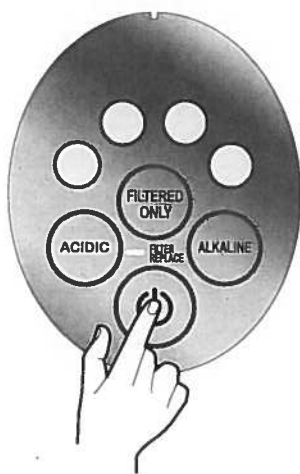
To select "FILTERED ONLY" water

- With the water running through your faucet, press the "FILTERED ONLY" button. The display panel will show a green symbol. The purified water will come out of the top spout.



How to Shut off the water flow from your ionizer

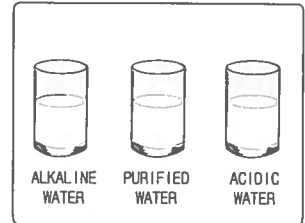
With the water running through your faucet then depress the power button. The water will stop and the display panel will go dark indicating the ionizer is in standby or "asleep".



How to measure pH

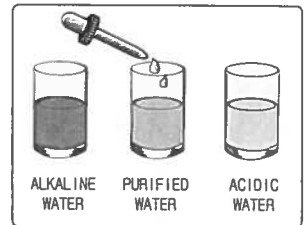
How to Measure pH

- Fill one of the receptacles provided about 1/4 full with alkaline, acidic or purified water.

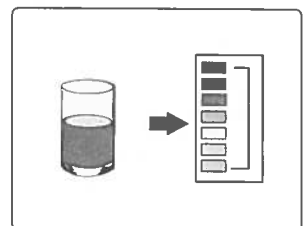


- Drop 2 or 3 drops of the pH reagent into the container and shake it.

If the reagent and water are not mixed well, the correct result may not be displayed.



- The pH value is determined by matching the color the pH color chart provided.



Important Note: Water quality and mineral content vary greatly in different localities and will directly impact performance of your ionizer with respect to pH.

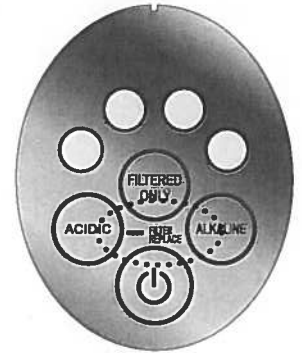


- DO NOT consume water containing reagent
- Keep the pH reagent liquid, color chart, and test tubes away from direct sunlight
- KEEP pH reagent liquid AWAY FROM CHILDREN and OPEN FLAMES!
- For contact with eyes, flush liberally with fresh water, seek medical help
- If ingested, induce vomiting, seek medical help

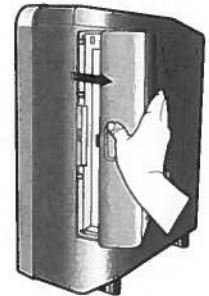
How to Replace the Filter

IMPORTANT! Stop water flow prior to filter replacement.

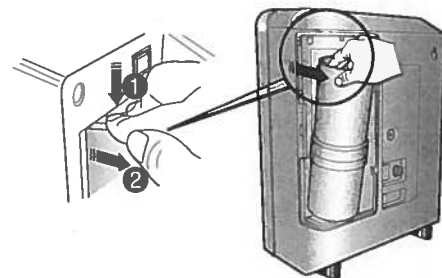
- When the LED filter life indicator lighting, it is time to replace your filter.



- Open the filter housing cover. slide the cover to the left and remove it.

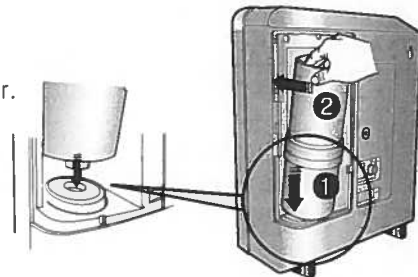


- Remove the expired filter.
 - Taking hold of the filter securely with your right hand, press the filter firmly down against the spring loaded mechanism (figure1) to disengage the top of the filter and then pull it toward you (figure2) and up to remove it.
 - The upper part of the filter is separated from housing by pressing firmly down. Once you have engaged the spring loaded mechanism, you can then easily remove the filter from the main body by pulling it toward you.

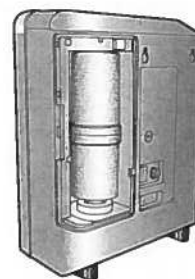


- Insert the new filter into the compartment.

- Remove the plastic caps covering both ends of the new filter.
- Seat the large opening on the bottom of the filter cartridge onto the base in the center of the filter cushion.
- Push the filter down and into the housing compartment ensuring the opening at the top of the filter is seated properly into the fitting at the top of the housing.



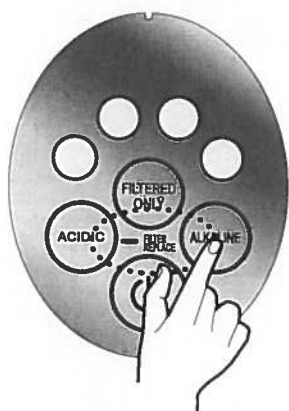
- Check for leakage by running water through your ionizer before replacing the housing cover.



- Flush out the GAC carbon dust.
 - The water will initially come out discolored (light to charcoal gray) due to carbon particulates in the new filter. This is not normal and is typical of all GAC filters. Allow the water to flow for 2-3 minutes in the "Filtered Only" mode and this will flush all the carbon dust.

Immediately after filter replacement, the water will come out black and unclear due to the activated carbon particulates in the new filter but will become clear momentarily. (It is not harmful.)

- Press the reset button (Alkaline Button) located on the top of the faucet, and depress for 4 seconds.
NOTE: When filter life indicator is reset, and also when machine is new, the "FILTER REPLACE" light will not be illuminated."



for 4 seconds



**FILTER
REPLACE**



**FILTER
REPLACE**

Trouble Shooting Guide

Abnormal condition	Cause(s)	Resolution
The Function Display Panel does not come on.	A power plug is not properly inserted, or it is inserted into a faulty outlet.	Properly insert power plug into a correctly functioning power outlet
	The fuse is blown. The fuse is not inserted properly.	Replace the fuse. A spare fuse is included in your reagent kit. (3A / 250V fuse)
The Function Display Panel / display indicators do not come on even after turning the tap on.	Faulty PCB (Printed Circuit Board)	Immediately unplug the unit and contact your dealer to arrange service.
pH test shows alkaline water color as neutral (7) while acidic water color gets yellow (6). This is normal if initial pH is 6.5	Faulty or evaporated reagent: alkaline / acidity are always produced in inverse proportion. Therefore, showing an acidic color means inversely that alkaline water has to be generated from the unit. Lack of alkaline color can result from a chemical reaction where carbonic acid in water evaporates some test reagent elements.	Test pH value on level 3 or 4 water; replace reagent.
Power supply is suddenly cut off while operating the unit.	Elevated level of salt in the water or high TDS; extended operation at high pH; sudden flux in electrical current. In these cases your machine will shut down automatically to protect the electrodes and circuitry.	Wait – the unit will become operational again after about one hour. Your ionizer has a safety mechanism built-in to protect the electrodes and circuitry. This mechanism will shut the ionizer down automatically. This mechanism protects the unit from overuse or excessive electric current.
Low output of alkaline water from the unit.	Filter is clogged. Premature clogging may be caused by sudden drop in water quality and an influx of sediment or other contaminants, which stress the filter.	Replace your filter. Clean Pre-filter
	Low pressure in your household plumbing.	Ensure water supply valves are fully open. The water pressure in house may be too low.
	The input hose is bent, kinked or otherwise restricted.	Straighten the bent hose.

Abnormal condition	Cause(s)	Resolution
Strange smell from Alkaline water.	Expired filter from ordinary use or premature clogging due to contaminants in water.	Replace your filter.
	Sudden flux in water quality with elevated level of Choline (not Chlorine). Elevated Choline levels are observed in some areas during summer months. These levels fall within safe drinking water standards, yet will cause a reaction with ionized water causing a unique smell.	Select lower pH level (1-2). If still present, filter replacement may be necessary.
Water appears milkish; white snow like particles in the bottom of your glass.	You have high hardness (calcium primarily) in your water. The white is extracted CaCO ₃ (Calcium carbonate). After Co ₂ in water is bonded with Ca where elevated levels of CO ₃ exist in your water. In water where elevated levels of CO ₃ exist, what you see after ionization is Co ₂ in the water bonded with Ca.	This is calcium! It is not only harmless, but actually good for you. Remember the ionizer separates and condenses the alkaline minerals and this is what you are seeing. You can lower the setting (1-2) and reduce this effect. Typically this only occurs in hard water areas.
At first no smell, but then smell from the alkaline water about one hour after.	Your water bottle or receptacle is foul and needs cleaning. Contamination mixes with alkaline water when filling your bottle. Expired filter.	Clean your bottle or receptacle. Try selecting lower pH level (1-2). Replace your filter.
Water leakage from the filter cartridge housing.	Filter not installed correctly into filter housing.	Remove your filter and reinstall it properly following the filter replacement instructions. Increase the quantity of source water inflow.
No acid water flow from the acidic output port.	Acidic output hose is bent, kinked or otherwise restricted.	Straighten the bent hose; increase water flow from supply.