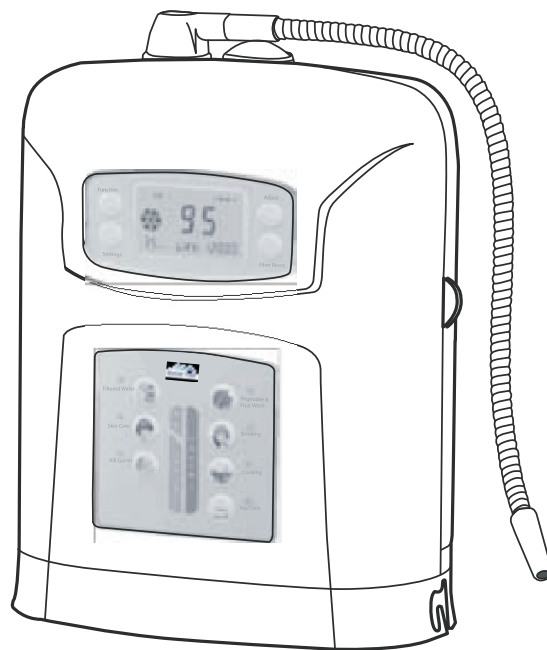




## Water Ionizer and Purification System



AK - 900

# INSTRUCTION MANUAL

**HEAVEN FRESH**  
©2009, HFE-CANUS-AK900-06/09

# Contents




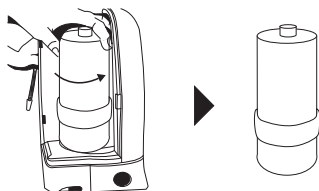
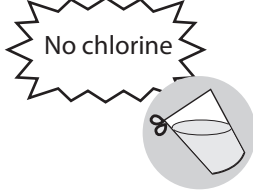
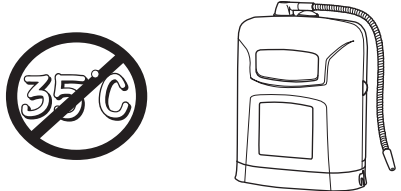
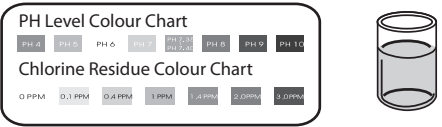


Thank you for purchasing the efficient Heaven Fresh AquaCharger® Water Ionizer and Purification System. We know you will enjoy your water energizer for many years to come.

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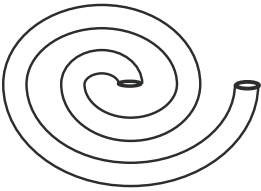
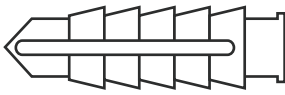


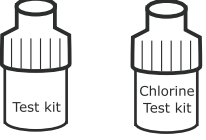
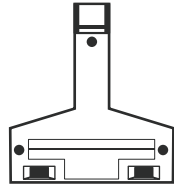
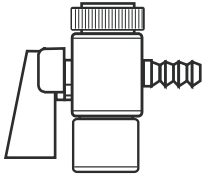

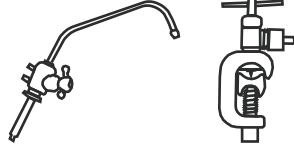
# 1. Safety Information

Ensure that all safety precautions are followed when using electrical appliance for the proper operation of the device.

This instruction booklet describes the safety precautions to be observed during operation to prevent injuries to yourself, other persons and damage to the device. The content not only is suitable for this product but also suitable for electrical appliances in general.

<p>Use only clean water supply.</p> 	<p>Turn on self-cleaning function for about 40 seconds, and then choose the acidic water output to clean the unit for about 2 minutes, if the unit has not been in use for 3 days.</p> 
<p>Do not drink ionized water if you are:</p> <ul style="list-style-type: none"> <li>● On Medication.</li> <li>● Lack stomach acid.</li> </ul> 	<p>Do not subject unit to direct sunlight or near high temperature sources. Significant rises in internal temperature may cause over heating or warping of outer shell.</p>
<p>After filter replacement, let the water run for 5 minutes.</p> 	<p>Use ionized or filtered water as soon as possible</p> 
<p>Do not use hot water. Stop using when water temperature exceeds 35°C (95°F).</p> 	<ul style="list-style-type: none"> <li>● Check PH level after installation.</li> <li>● Check PH level and maintain the unit regularly.</li> </ul> 
<p>Do not use aluminum containers for alkaline water Do not use copper containers for acidic water.</p> 	<p>Do not drink:</p> <ul style="list-style-type: none"> <li>⊙ Acidic water or water with a PH level higher than 10.</li> <li>⊙ Acidic water discharged during production of alkaline water.</li> <li>⊙ Acidic water discharged during auto-cleaning process.</li> </ul> 

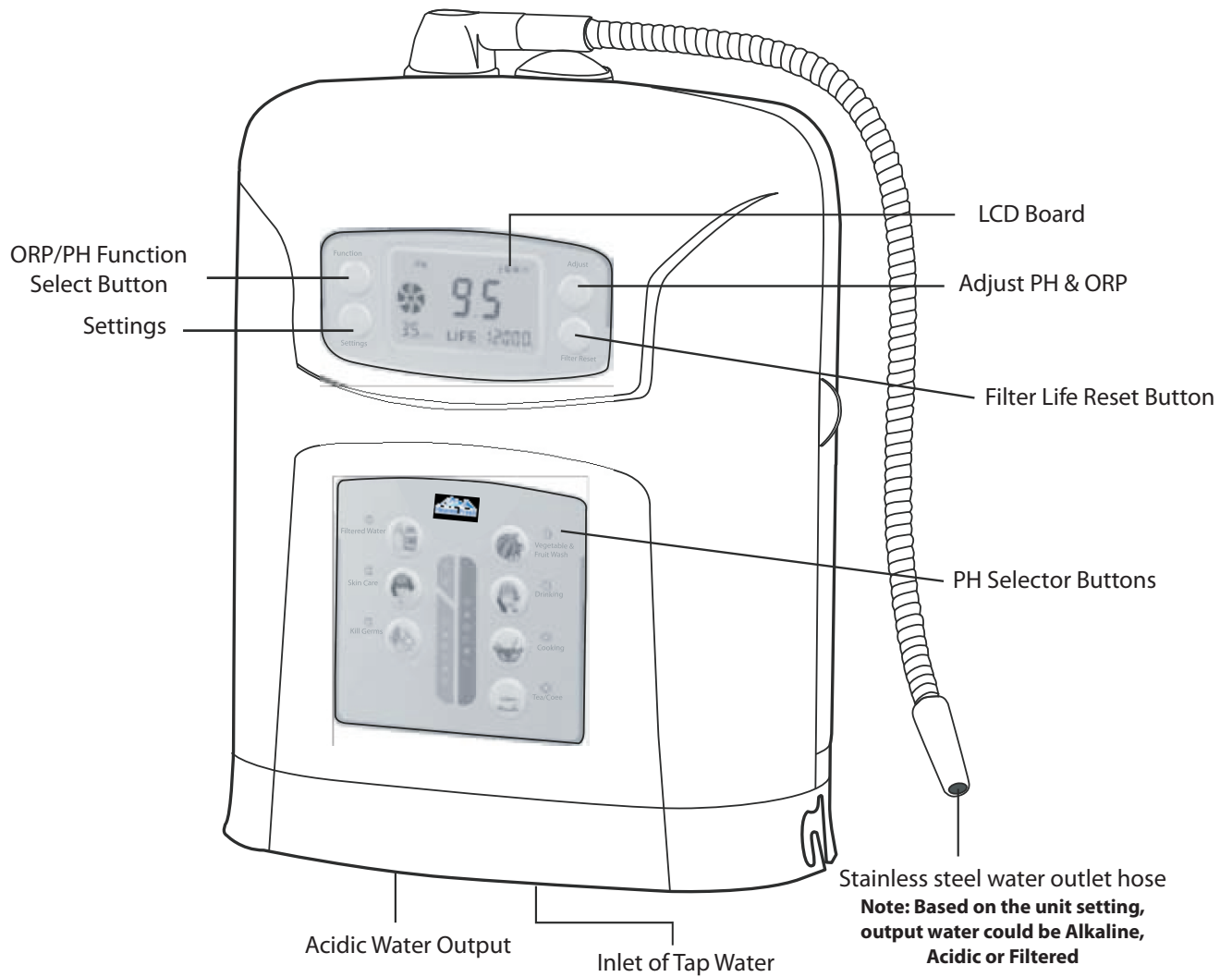
## 2. Accessories

All accessories included in the package		
<p>3/8" beige rubber hose</p> 	<p>Plastic wall mount anchors X3 (For cement walls)</p>  <p>(Note: for dry wall application, use proper anchors)</p>	<p>Screws X3</p> 
<p>Stainless steel water outlet hose</p> 	<p>PH &amp; chlorine testing kit X 1</p> 	<p>Bracket / Template for wall-mounting</p> 
<p>Faucet Connector</p> 	<p>Hose Clamps X 3</p> 	<p>Permanent installation kit including Acid Water Outlet, Self Piercing Water Supply Valve Assembly.</p>  <p>* (Kit sold separately - requires professional installation)</p>

Please contact your dealer if anything is missing from the package.

### 3. Components

#### Front View



## 4. PH Selector Buttons

Acidic  
Water



### Acidic Water Mode:

- Excellent for skin care
- Natural astringent for improving complexion
- Natural hair conditioner



- Kill germs
- Great antiseptic
- Sanitize dishes, etc.

Filtered  
Water



### Filtered Water Mode:

- Pure chlorine free water
- When taking medicines.
- Mix with milk powder for infants.

Alkaline  
Water



### Alkaline Water Mode:

- Tea / Coffee
- Setting for first time use.
- Making tea or coffee.



- Cooking
- Cooking meals



- Drinking
- Direct drinking
- Prevents acidosis



- Vegetables and fruit
- Neutralizes harmful chemical residue and toxins

For information and further details on the numerous benefits derived from drinking energized water, please read and study the information contained in our complimentary publication called "**Heaven Fresh Alkaline Ion-Energized Water, Change Water - Change Life**", a copy of which is enclosed with this system.

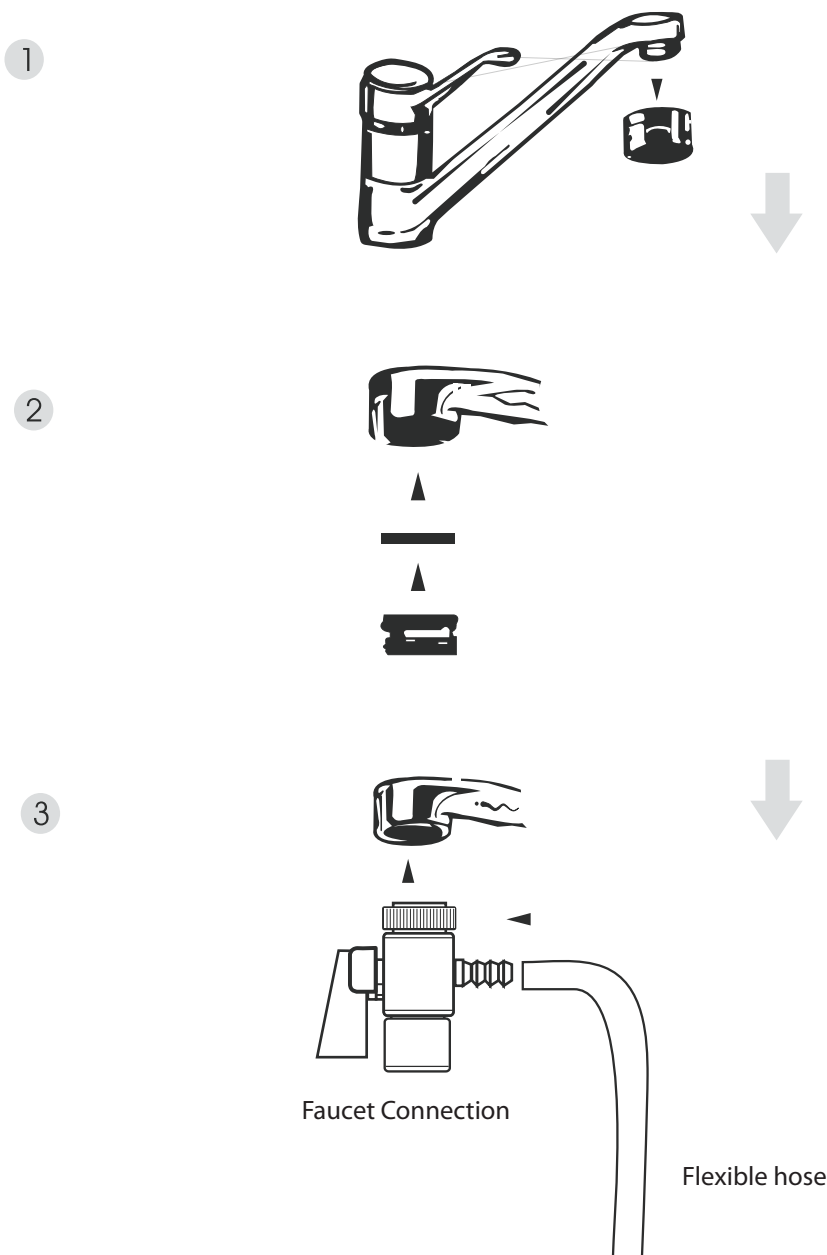
## 5. Installation

### Step 1 Quick installation Kit for Faucet

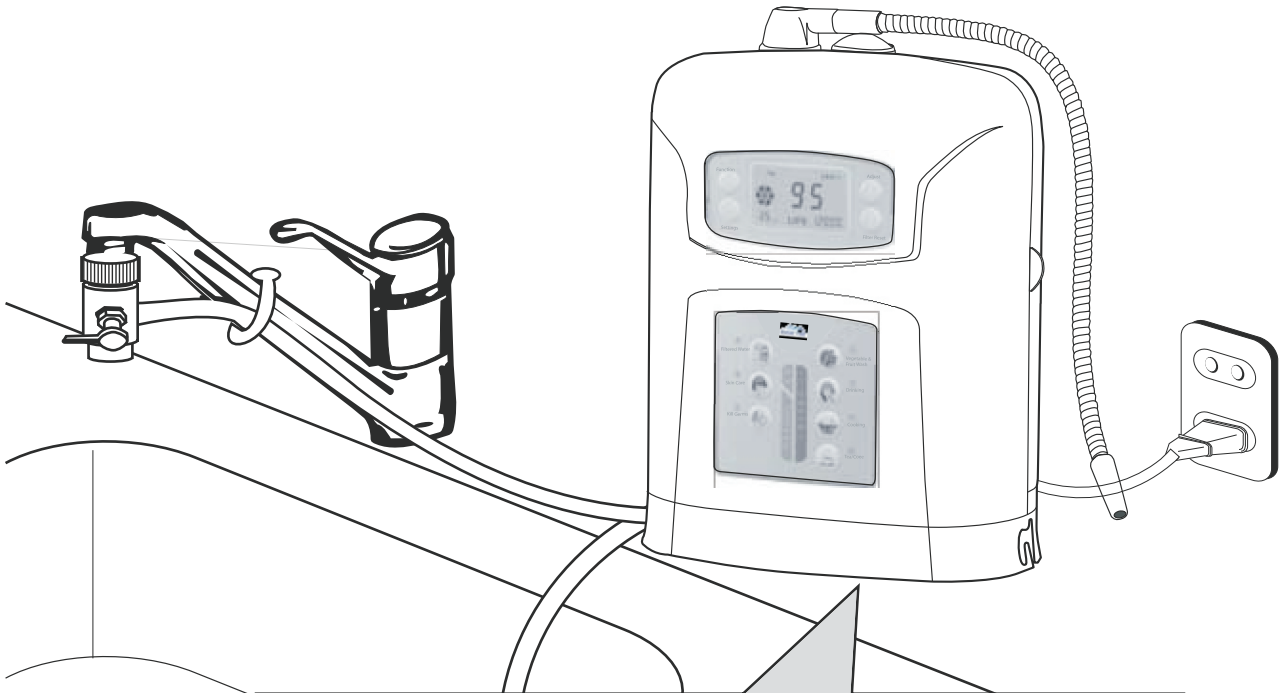
1. First remove original Faucet aerator. This is done by rotating counter-clockwise.
2. And then slip on Conversion Adaptor., **(optional only if faucet connector does not fit your faucet).**
3. **(A)** Connect "**Faucet Connector**" to your faucet by rotating it counter-clockwise.  
**(B)** Connect the "**Beige Rubber Hose**" to the "**Faucet Connector**" and secure with "**Metal Hose Clamp**" (use pliers).

#### IMPORTANT:

You must cut the hose, so extend it to a sufficient length, and with scissors, cut the hose straight across in a single cut (ensure you have approximately 16.5 inches / 42 cm of hose left).

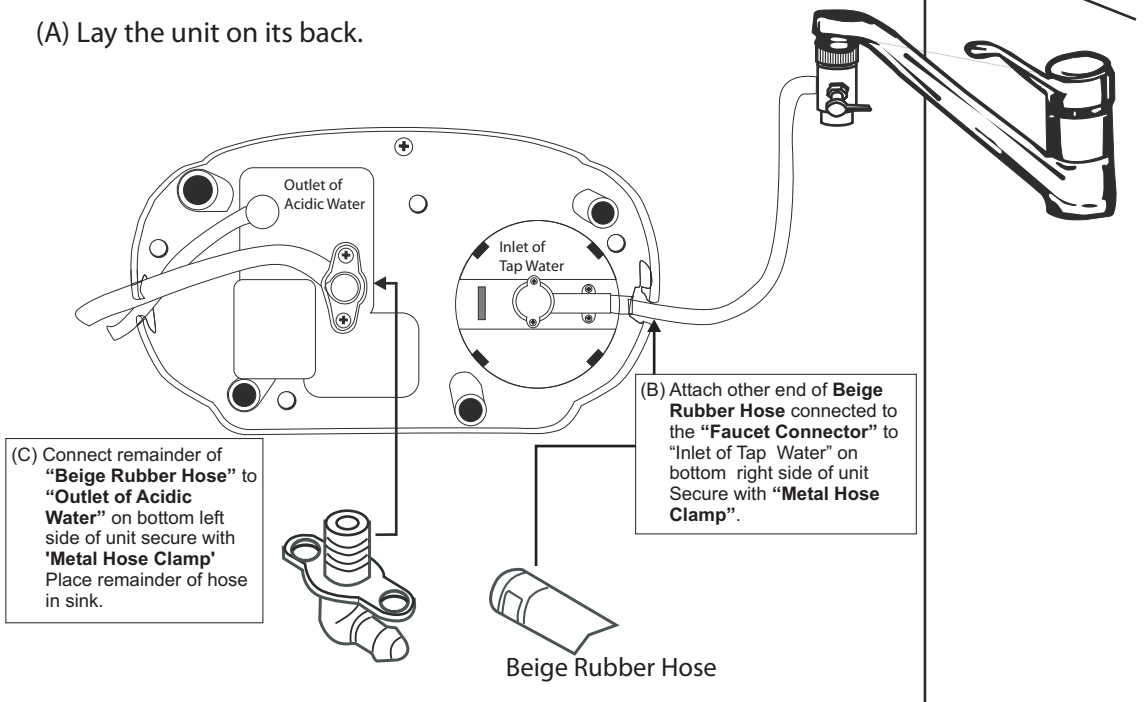


## 5. Installation



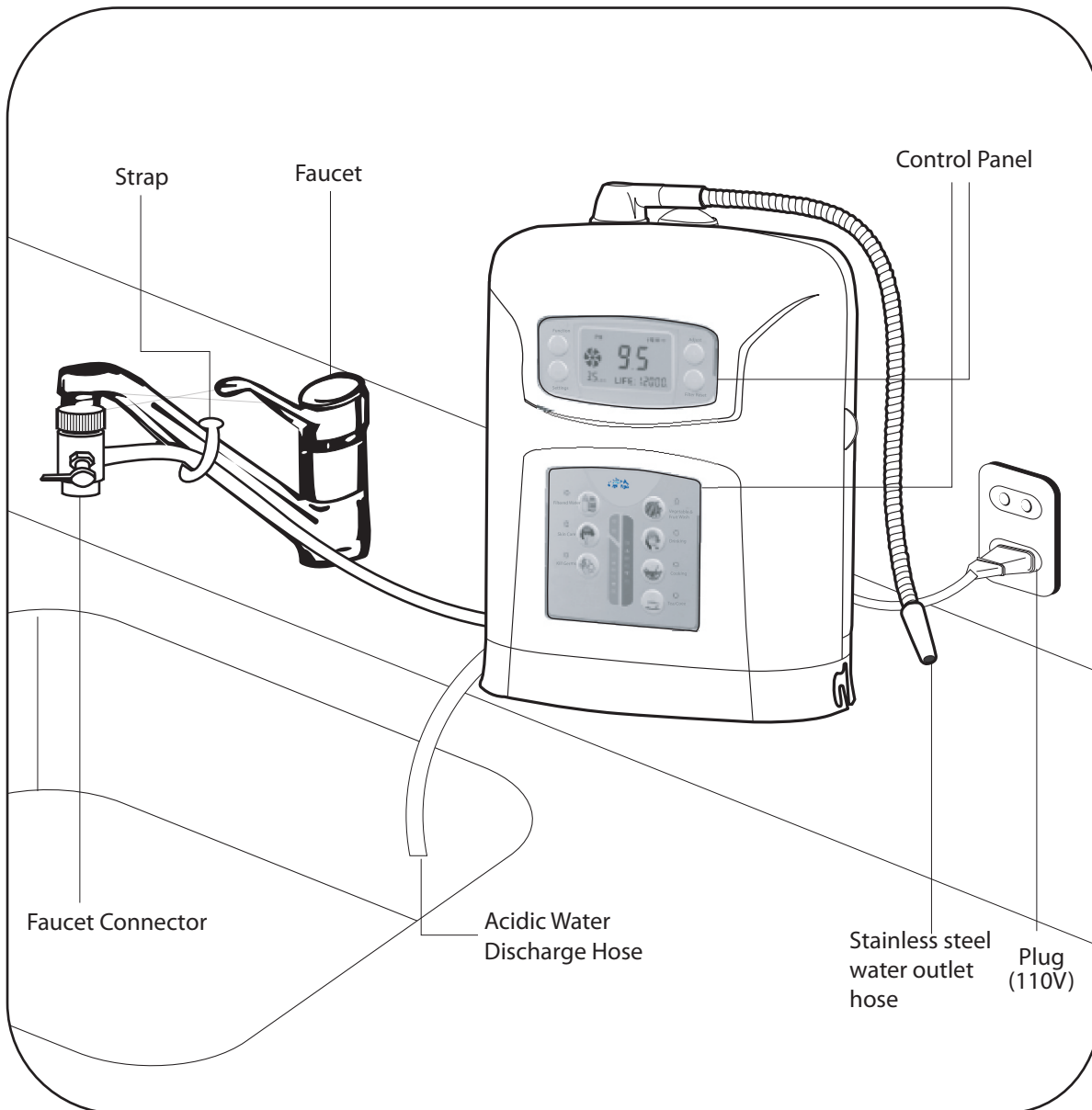
### Step 2 Flexible Hose Connection

(A) Lay the unit on its back.



## 5. Installation

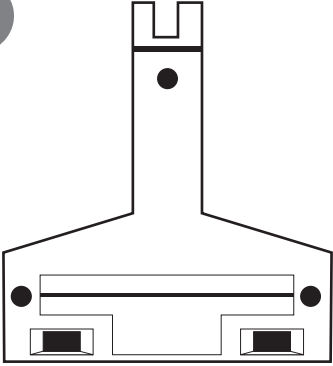
### Step 3: Installation




## 5. Installation

### Step 5 Bracket and template for wall-mounting (Optional)

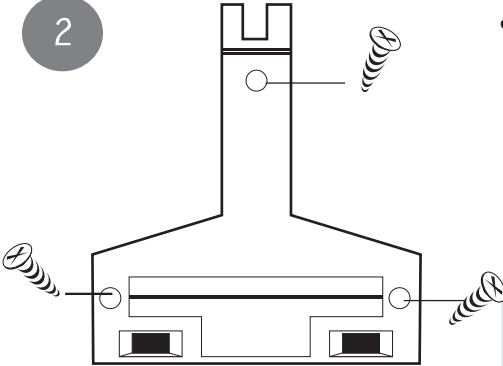
**1**




- Position template on the installation location.
- Mark location for holes and screws.

 Do not install in shower rooms.

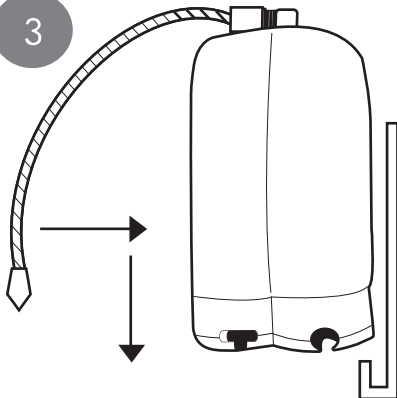
**2**




- Drill 3 holes, and insert the plastic anchors, then mount the hole template with screws.

 Secure the screws.

**3**

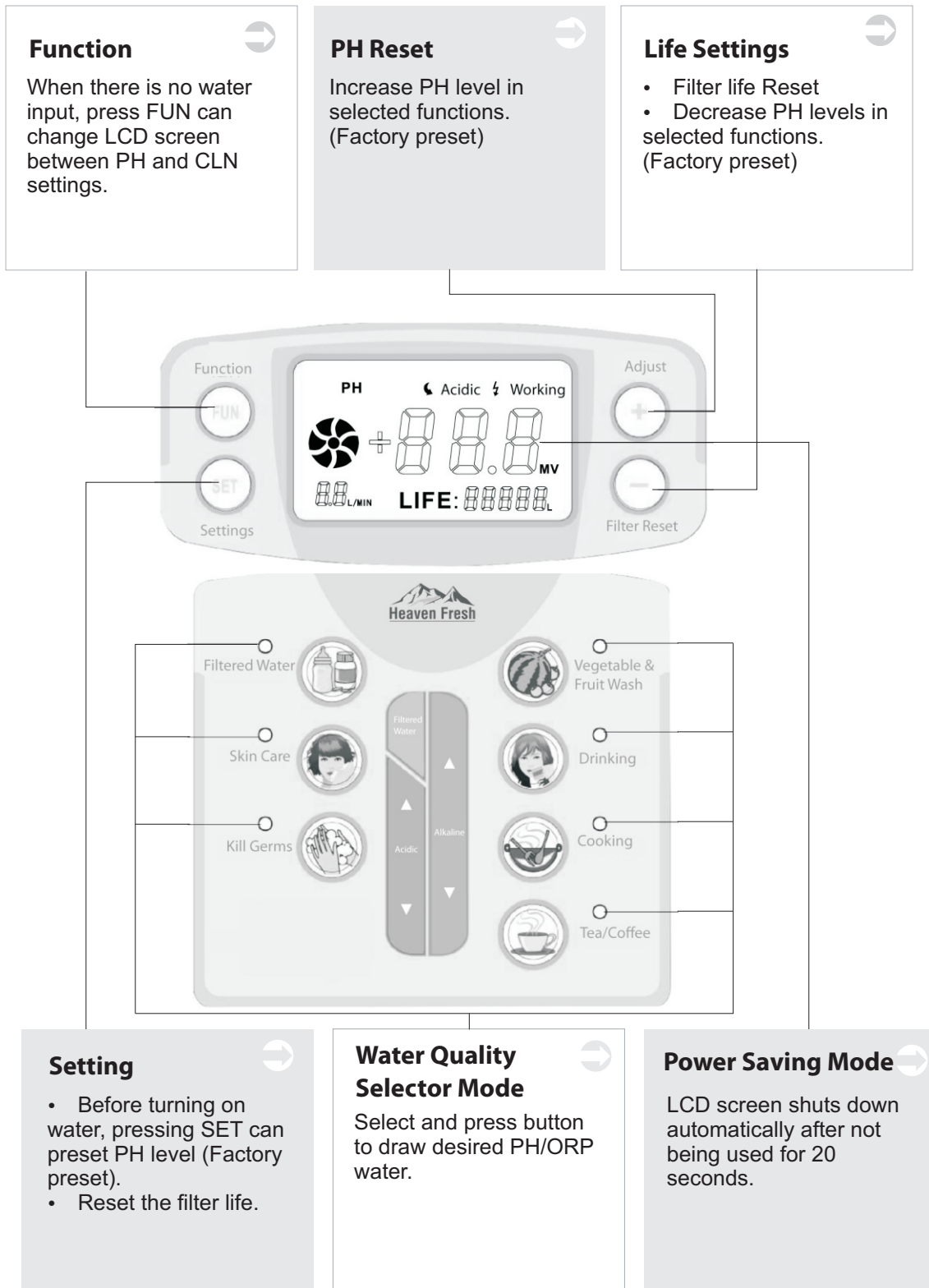


- Place the unit on the template.
- Place electrical plug into power outlet.

 Always keep the unit plugged in.

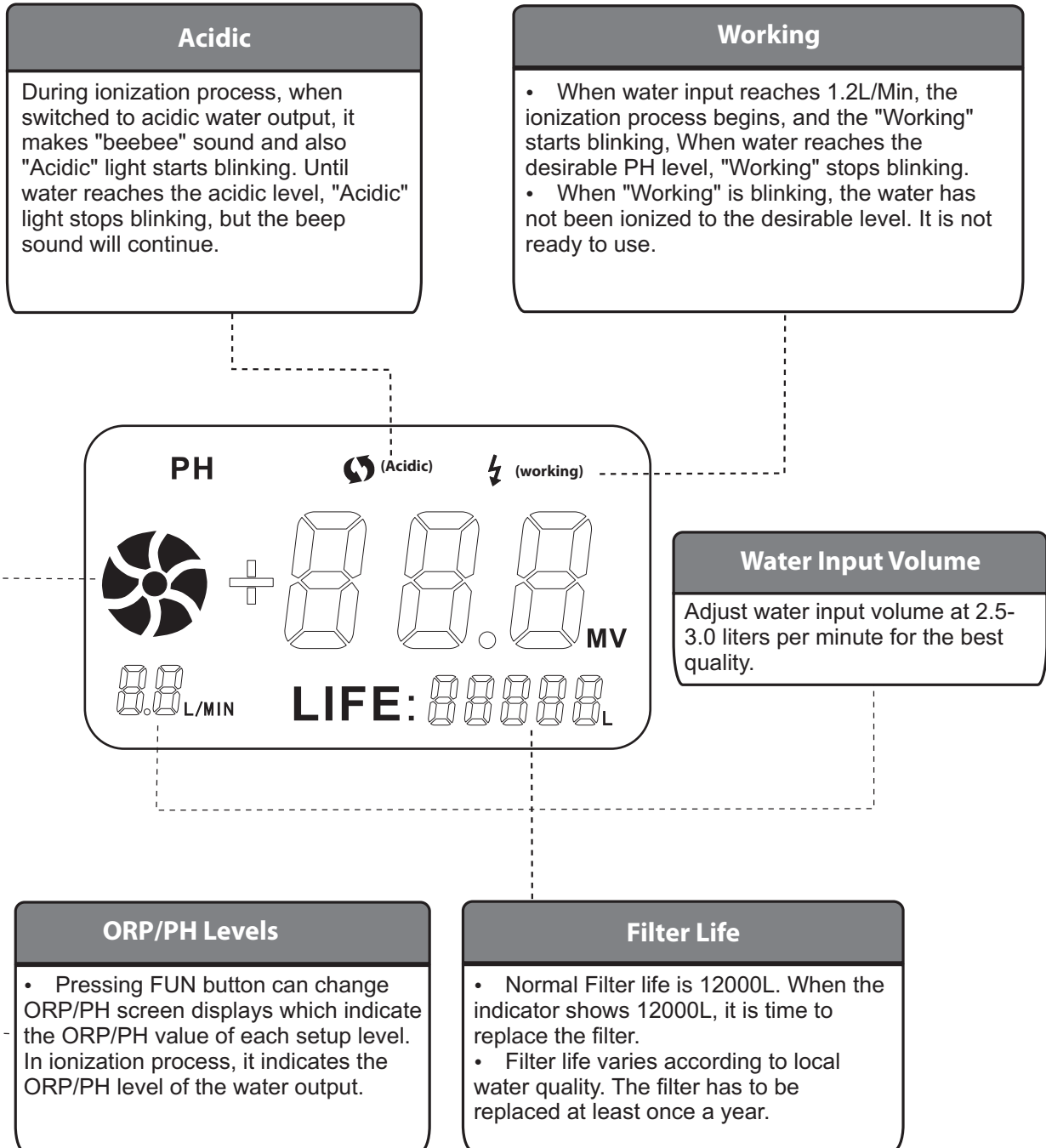
## 6. Control Panel Function

### Step 5 Bracket and template for wall-mounting (Optional)



## 7. LCD Display and Operating Instructions

### 1. LCD indicators for each functions.



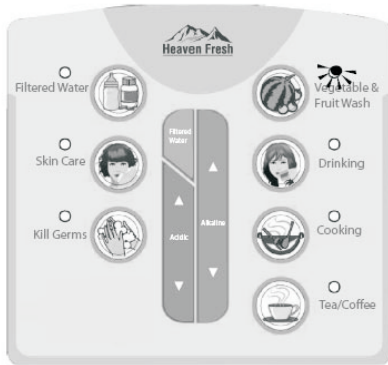
### Caution:

To avoid leakage, Input water pressure should NOT exceed 4 L/Min (litres per minute). Lower the water pressure on your tap by not opening it at full force (2.5 - 3.0 L/Min is ideal setting). Actual reading is displayed on the unit's LCD Screen at the bottom left hand side under rotating wheel.

## 16. LCD Display and Operating Instructions

### 2. Notice of cleaning and auto cleaning.

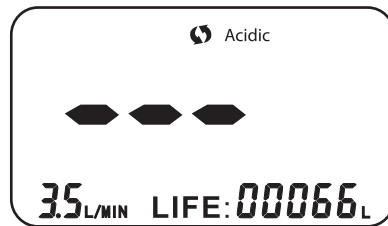
Every 12 hours, the water ionizer will start a self-cleaning process in order to clean the electrodes. Before the process starts, one of the level indicator **starts blinking** to tell you the ionizer is going to clean itself. Which level indicator will blink depends on the previous level selected.



#### Purpose of self cleaning

- Clean electrodes.
- Remove calcium residue on electrodes if any of the level indicators starts blinking, it is time that the unit needs to clean itself. Under this situation, when water comes into the unit, it starts making beeping sound for about 40 seconds, and also the LCD screen displays like the figure below.

When the beeping sound stops, it means the auto-cleaning process finishes. The indicator light will stop blinking and LCD screen will be back as normal.

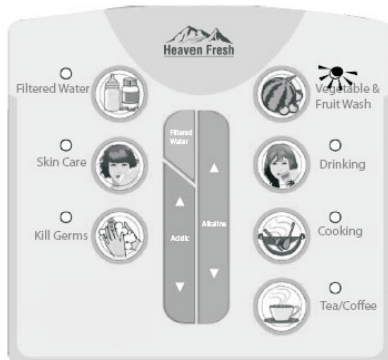


### 3. Trouble display

The unit features adjustment system, and it is a reliable unit. It needs periodic maintenance and cleaning.

#### Calcium residue display.

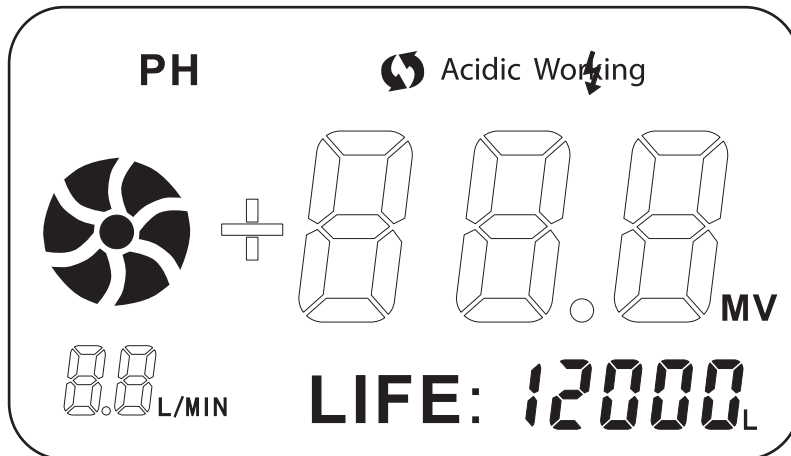
When "Hard Water" is used as input water, extra calcium will deposit on the electrodes. As a result the ionizer can hardly produce effective ionized water. For example, when there is too much calcium accumulation, the level indicator will adjust from the 4th level back to the 3rd level. At the same time, the "Working indicator on LCD screen starts blinking. **This problem is solved by auto cleaning process.**



## 8. Filter Replacement Procedure

### 1. When to Replace the Filter.

- When to replace the filter is indicated by "LIFE" on the LCD display.
- For a brand new filter, it shows "LIFE:00000L".
- When it shows "LIFE:12000L", it is time to replace the filter, since it is not effective any more.



### Warning: If any of the following events happens, replace the filter immediately

- Water with reticular smell or bad taste.
- The unit has been used for more than 1 year.
- Water output is much less than before.

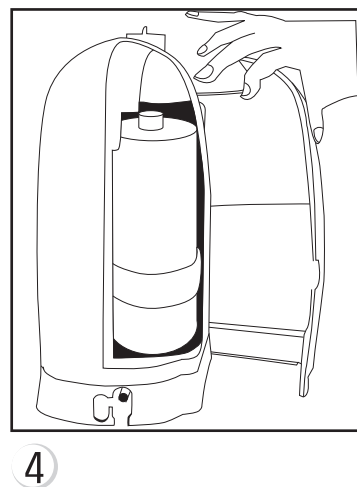
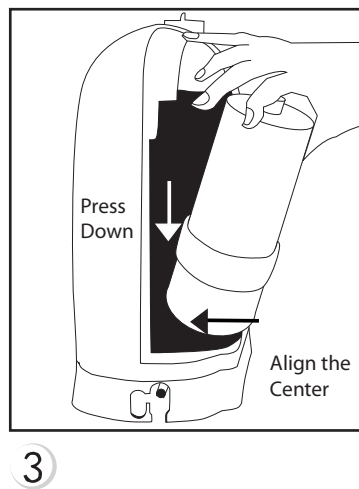
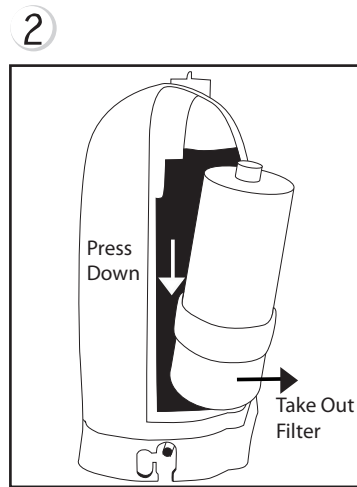
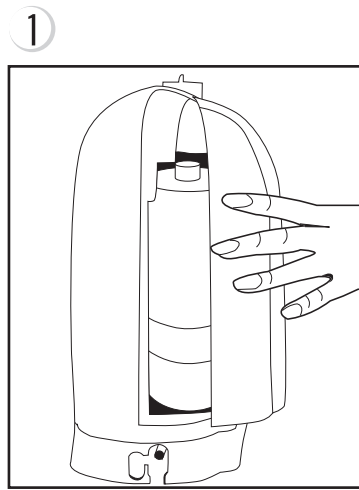
### Note:

- The service life of the filter will be shorter than usual for the following reasons:
- Water is turbid/contaminated.
- Low water pressure.

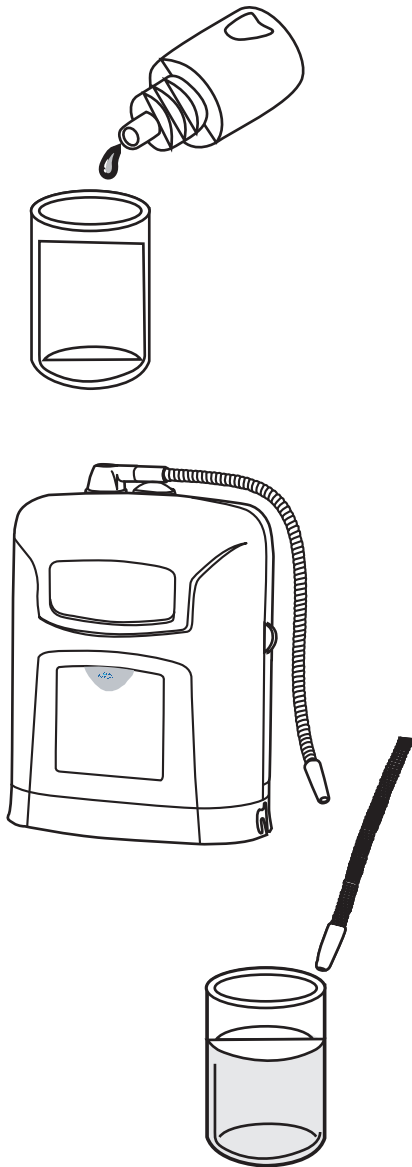
## 8. Filter Replacement Procedure

### 2. How to Replace the Filter.

- ① Pull the filter cover to open it.
- ② Press the filter downwards and then gently take out the old filter.
- ③ Align the new filter center with the hole at bottom of the ionizer and push downwards.
- ④ When you hear the "click" sound, it means the new filter has been installed correctly. Align the filter cover with the two holes on the back of the ionizer and then push to close the cover.
- ⑤ Press the "FUN" button until it shows "cln", and then press the "SET" and "-" buttons. You will hear beep-beep sound, which means you have reset the filter life.



## 9. PH Level Tests



### To test PH value of ionized water

1. Add two drops of PH testing liquid into an empty cup.
2. Turn on water ionizer, and let it run for about 10 seconds.
3. Add only a small amount (about  $\frac{1}{4}$  of a cup) of ionized water into the same cup.
4. Compare the water colour with the PH level colour chart and get the correct PH level of the ionized water.
5. Same way to test the chlorine residue density of ionized water.

#### PH Level Colour Chart



#### Chlorine Residue Density Colour Chart



#### CAUTION

- Do not put tester liquid close to fire.
- Do not drink tester liquid or ionized water with tester liquid.
- Keep tester liquid bottles closed and out of reach of children.
- Avoid contact with eyes, If this happens, rinse thoroughly with water. Do not drink, in case this happens, drink lots of water and also consult your physician.
- After installation, check PH level.
- PH level has to be checked regularly.

## 10. Troubleshooting

Trouble	Cause	Solution
<b>Unit is plugged into the wall but the lights are not coming on.</b>	It could be a fuse that is not replaceable. You need to return unit to HF for repair <b>(Please remove the filter).</b>	Try another outlet
<b>Water leak inside unit</b>	Tap water pressure is too high	Check unit LCD Screen on bottom left hand side under rotating wheel: L/Min (litres per minute - should not be more than 2.5-3 litres maximum per minute. Lower the water pressure on your tap by not opening it at full force (3 litres per minute is ideal setting).
<b>Water leak from the three hoses</b>	Hose is not secured tightly with metal clamp.	Make sure hoses are connected correctly & secured with a Metal Hose Clamp
<b>Water leak from Beige Plastic Connector</b> (located on bottom left side of unit with two screws)	Beige Plastic Connector on bottom of unit is damaged.	Unit must be returned to Heaven Fresh for repair
<b>Water leak from filter</b>	Black rubber band at the bottom of filter compartment is not tightly in place	Take out the filter. With your index finger press down on black rubber band to ensure it is sealed properly. Now follow "Filter Replacement Procedure"
<b>Clogged filter</b>	Filter is worn out/needs replacing	Replace Filter
<b>Water pressure "Low"</b>	Bend in beige flexible hose	Straighten the hose

**\* For all other inquiries please contact customer service for support.**

## 10. Troubleshooting

Trouble	Cause	Solution
<b>Low output water flow</b> <b>No water pressure</b>	Clogged Filter	Replace Filter
	Bend in Flexible hose	Straighten the hose
<b>Smell / Odour</b>	Filter life has expired	Replace Filter
	Excess electricity has been discharged into electrodes	Lower the PH or ORP level
<b>White or brown residue in the water</b>	Alkaline mineral solids	Acidic water output can remove residue. Residue is harmless to our body.
<b>After filter replacement</b> <b>The filter life span does not change on the screen</b>	Reset "filter life"	Reset the filter life (see page 15)
<b>LCD turns off itself</b>	<b>The unit has power saving mode. LCD Screen shuts down automatically after not being use for 20 seconds.</b>	Turn on the faucet, the LCD screen will start again.

\* For all other inquiries please contact customer service for support.

## 11. Frequently Asked Questions



### **Q1. What is the white residue which may appear on cups on the kettles?**

A1. The white residue is mostly calcium carbonate, the same harmless element found inside your kettle. Calcium Carbonate is formed when ionized calcium interacts with oxygen. For this reason, it is best to always drink freshly ionized water.

### **Q2. Why is my unit blinking.**

A2. Every 12 hours, the water ionizer will start a self-cleaning process in order to clean the electrodes. Before the process starts, one of the level indicator starts blinking to tell you the ionizer is going to clean itself. Which level indicator will blink depends on the previous level selected. (Refer to page 13 for more details).

### **Q3. What kind of water can be used as input water.**

A3. Normal public water is good, as also any clean water supply.

### **Q4. Why are there small bubbles in freshly ionized water?**

A4. The reason of small bubbles is because oxygen is introduced into the water during the ionization process.

### **Q5. What is the white substance that sometimes appears on the surface of alkaline water?**

A5. It contains calcium and magnesium. The ionized minerals are beneficial to our body. By lowering the PH level, the white substance will disappear.

### **Q6. Can I drink alkaline water while on medication?**

A6. It is not recommended to drink alkaline water while on medication, since the alkaline water can possible change the effect of the medicine. Therefore, drink "pure/filtered water". If you are under doctor care, then please consult him/her for advice.

### **Q7. Can infants drink ionized water?**

A7. Infants can drink "pure/filtered water", because they are already alkaline.

### **Q8. What does the acidic water do?**

A8. Acidic water is only for external use. It kills bacteria, etc, sanitizes dishes, and clean cuts.

### **Q9. Why should i drink Heaven Fresh ionized water?**

A9. It is healthy to drink ionized water, as long as the water ionized is properly maintained. In the Orient this Heaven Fresh energized water is also known as "Happy Water", because of the mood enhancing effect produced by the electron type energy. The benefits of ionized water are numerous. It always serves to improve and protect your health. Please study our complimentary book "**Heaven Fresh Alkaline Ion-Energized Water, Change Water - Change Life**" for more details.

## 12. Specifications

Model	AK-900
Point of use (POU)	Counter-Top, Wall-Mounted, Under the Counter (Optional)
ORP Range	-400mV to +680mV
pH Levels	Max. pH 10.2
Electrode Surface	800 cm <sup>2</sup> Electrodes are made of high quality platinum coated titanium
Filter Life	Approx. 12,000L
Standard Filter	3 Stage & 1 Micron filter
Input Voltage	AC 110 - 120 V / 50 - 60 Hz
Power Consumption	100 Watts
Input Water Pressure	20 ~ 70 psi
Input Water Temperature	5°C ~ 35°C (40°F to 95°F)
Output Flow	Max. 4 liters/min (0.9 Gallons/Min)
Water Outlets	Flexible, Swivel-Type Stainless steel nozzle
Cleaning System	Automatic
Weight	6.5 lbs (2.95 kg)
Dimensions	12.4" H x 10.8" W x 5.5" D (31.5 x 27.4 x 14.0 cm)

## 13. Warranty Certificate

### WARRANTY CERTIFICATE FOR THE AK-900 WATER PURIFICATION SYSTEM

Date of purchase: \_\_\_\_\_

Buyer's Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Email: \_\_\_\_\_

Seller's Name: \_\_\_\_\_

Address: \_\_\_\_\_

1. Please fill in completely this Warranty Certificate. Send it with the invoice and the unit, postage pre-paid and using the original packing box, to your distributor. Make sure to include the appropriate return postage for the package.
2. Please enclose a short description of the damage fault or malfunction, and the circumstances under which these problems arose.





## 14. Warranty Information

The AK-900 is subjected to strict testing procedures before leaving the factory. If within three years from the date of purchase the product does not perform according to the specifications, because of factory defects, the purchaser is entitled to free repairs or replacement of parts upon presentation of this warranty (provided that the malfunction or damage to the device and/or parts occurred under normal operating conditions).

<b>What is covered:</b>	All parts defective in material and workmanship.
<b>For how long:</b>	Three years from purchase date.
<b>What we will do:</b>	Repair or replace any defective parts.
<b>Exclusions:</b>	Regular replacement parts such as filter cartridges.

### 90-Day Replacement Policy

If, due to manufacturer defect, any part requires repair during the first 90 days after receiving your ionizer, Heaven Fresh will replace it with a new machine.

### What You Must Do

1. Contact Heaven Fresh customer support at:



**1-866-625-1857**  
**www.heavenfresh.ca**



**1-800-642-0367**  
**www.heavenfresh.com**

for Return Authorization Number.

2. Pack the product in its original carton, and in the same manner in which you received it, or as identical as possible.
3. Include proof of purchase inside box along with the Return Authorization Number.
4. Label and ship the unit, freight pre-paid, to the address below.

### Mailing Address:



Heaven Fresh Canada Inc.  
50 Venture Dr. Unit 6  
Toronto, ON M1B 3L6



Heaven Fresh USA  
1100 W. Cermak Rd. Unit B-413  
Chicago, IL 60608

### Other Conditions

The provisions of this warranty are in lieu of any other written warranty whether express or implied, written or oral, including any warranty of merchantability or fitness for a particular purpose. The manufacturer's maximum liability shall not exceed the actual purchase price paid by you for the product. In no event shall the manufacturer be liable for special, incidental, consequential, or indirect damages. This warranty does not cover a defect that has resulted from improper or unreasonable use or maintenance, faulty assembly, accident, natural catastrophes, improper packing, or unauthorized tampering, alteration, or modification as determined solely by us. This warranty is void if the label bearing the serial number has been removed or defaced.

**Canada**

sales@heavenfresh.ca  
www.heavenfresh.ca  
1-866-625-1857 (English)  
1-866-583-1857 (Français)

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