

**AZ**  
**ALKAZONE®**

# INSTALLATION & OPERATIONS MANUAL

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## BHL - 4200



## ***Congratulations!***

You have just purchased one of the most essential and beneficial products for your health available today.

Our Alkazon Water Ionizer creates antioxidant ionized alkaline water from normal tap water. Although the Alkazon Water Ionizer performs first stage filtering and many people think of it as a great water filter, the machine is not simply a water purifier. It is a highly sophisticated "***alkalizer***" separating the water into acid and alkaline components. Alkaline water promotes good health, while the acidic water has many household uses :

There are two important consideration required for years of trouble free operation of your new machine:

- ***Source water ideally should be city or tap water.*** For well water, water test must prove the suitability to the machine. Well water may cause the pH not to rise to the optimum level.
- ***Sediments or deposits content of the source water must be checked to determine if any pre-filter system are required.*** Tap water may contain excessive sediments due to over aged distribution lines.

Please follow the directions and other information in this manual for proper installation and smooth operation of your Water Fountain.

Please fill out the Warranty information on the back of this manual and maintain your sales receipt so that your warranty can be validated.

***Please fill out and return enclosed Warranty Certificate to insure your warranty coverage.***




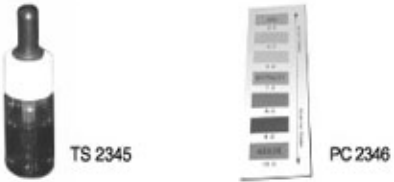




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# PARTS

Faucet Diverter and Related Part	 <p>FD 2341      AT 2342</p>
Water Hose (7ft)	 <p>WH 2343</p>
Hose Clamps (3)	 <p>HC 2344</p>
Test Solution (1 bottle) 3 drops of solution shows your tap water just changed to alkaline water	 <p>TS 2345      PC 2346</p>
Flexible Water Hose	 <p>FH 2340</p>
Share Fuse (3 Amp)	 <p>SF 2346</p>

**High Performance Fiter ...** Mounted on the water fountain

**NOTE:** Faucet diverter and flexible steel water hose is packed in the compartment on the outside of the styrofoam machine package.

# REPARATIONS FOR SAFETY



Improper use of this instructional manual may cause material damage or physical hazards.



**WARNING** - Make sure to follow these directions for your safety.



- Use AC 120V only. Wrong voltage may cause fire or electric shock.
- The fuse capacity of the product is 3A. Do not use other than this capacity.
- Use only tap water or drinkable water.



- Do not remodel, disassemble or repair the product. It may cause fire or electric shock. We are not responsible for improper use.



- If you develop any skin trouble after using acidic ion water (Astringent), please stop using the product and consult your family doctor.
- Remove dust and moisture from plug regularly.



**CAUTION** - Safety Precautions



- Do not use the power button and plug with wet hands. It can cause electric shock.



- Do not use the alkaline/acidic ion water for fish tanks. Environmental change may cause the death of fish.
- Do not wash or rinse the main body with water. It may cause electric leakage or shock.
- Do not electrolyze the hot water (35°C / 95°F or higher). It may cause thermal deformation or breakdown.
- Do not use aluminum container that is vulnerable to alkaline water and bronze container that is vulnerable to acidic water.

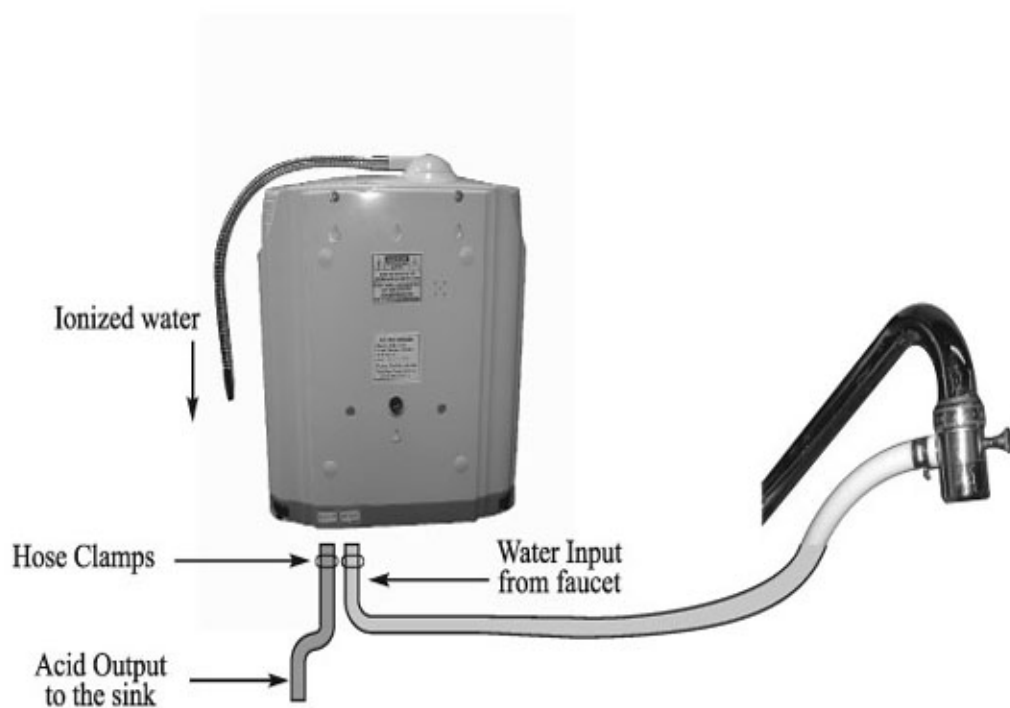
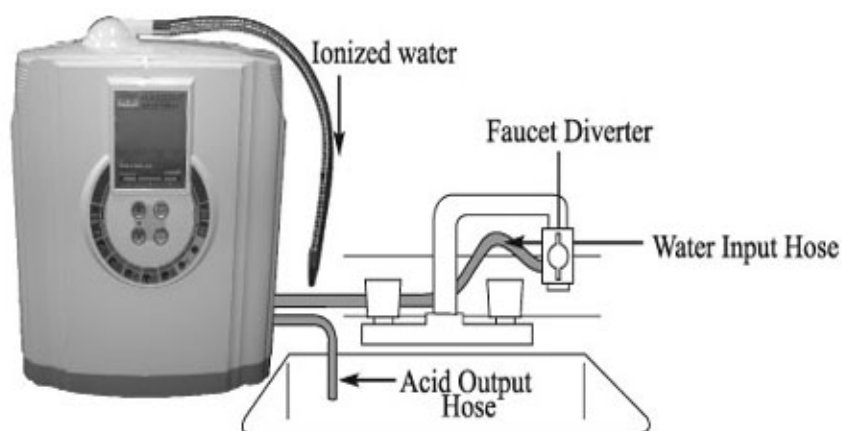


- When inserting the plug into the wall outlet, use the plug body not the cable. It may cause fire, electric shock or damage to cord.



- Keep the alkaline ion water with clean container in the refrigerator. And drink with in 3-7 days, as ionization changes over time.
- First time users of alkaline water should start with lower and increase slowly but surely.

# INSTALLATION DIAGRAM



# INSTALLATION INSTRUCTIONS

## TOOLS NEEDED:

- Pliers or wrench
- Scissors

## MACHINE INSTALLATION:

1. Position the water Fountain on a firm and level surface or mount on the wall away from any extreme heat or direct sunlight or flame.
2. Install the diverter to the desire faucet
  - (a). Remove the crew cap (acerator) from the current faucet.
  - (b). Screw the diverter on the faucet carefully, then tighten with a pair of pliers.

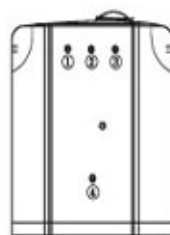
You may need a matching adapter for mounting diverter on the faucet.

3. Plastic Hose Installation
  - (a). Measure the length of hose from a faucet diverter to the Water Fountain. Make sure to leave enough room to account for the swinging movement of the faucet or possible future relocation of the system. Cut and prepare two pieces of hose with a sharp knife or scissors.
  - (b). Connect the hose to the Water Fountain Inlet and to the faucet diverter Outlet using clamps.
  - (c). Connect the other hose to the Acid Outlet of Water Fountain using a clamp and let it drain freely into your sink, or a container if you want to use acid water.
4. Connect the flexible metal hose to Alkaline Water Exit on the top of the water Fountain.
  - (a). Wet the end of the hose with water and firmly insert it while twisting the hose.
5. Plug in the power cord to a AC 120V electrical outlet.
6. Run the cold water through the Water Fountain test operation and cleaning system
7. Power will turn on and off automatically and will be activated by water flow.

## INSTALLATION ON THE LOCATION

### ■ Mounting the Machine on the Wall

- 1) Wet the wall mounting drawing and put it horizontally on the wall.
- 2) Drive nails into the horizontal direction(①-③) or the vertical direction(②-④).
- 3) Hang the machine on the nails. ⊕: Nail Position











# INSTRUCTIONS BEFORE USING

## Precautions

- Do not move the machine holding the alkaline water faucet. It may cause damage in the machine.
- Do not operate the machine for a long time to get strong alkaline water (pH 10.0). The built-in temperature sensor may operate to stop the electrolysis depending on the water characteristics.
- When using the machine at a place where the input water is underground water or has higher gradient
  - Once a day, push 'Acidic Selection Button' and drain out the acidic water for 1 minute.
  - In the commercial area, please push 'Acidic Selection Button' once a day. Drain out the water for 5 minutes to cleanse the pipe line manually.
- ※ In the area of higher gradient or calcareous, the calcareous substances will stick to the container.
  - Do not use the hot water above 95°F. It may cause damage to the machine and/or filter filter.
  - The pH value could be different depending on the area or the water quality.
  - Do not operate with the water as follows. It may cause serious damage to the machine.
    - Muddy or Dirty Water      ● Salty Water      ● Rusty Water

## Right Usage

pH Selection Button	Use	Notice	pH Value	
	<ul style="list-style-type: none"> <li>• To remove the bitter taste from the vegetable</li> <li>• To wash vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Consult your doctor before drinking at this level</li> </ul>	10.0~10.5	
	<ul style="list-style-type: none"> <li>• For coffee, tea</li> <li>• For soup, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• For drinking and cooking</li> </ul>	9.0~10.0	
	<ul style="list-style-type: none"> <li>• To cook steamed rice</li> </ul>	<ul style="list-style-type: none"> <li>• For drinking and cooking</li> </ul>		
	<ul style="list-style-type: none"> <li>• For beginners</li> </ul>	<ul style="list-style-type: none"> <li>• For beginners to drink</li> </ul>	8.0~9.0	
	<ul style="list-style-type: none"> <li>• When taking medicine</li> </ul>	<ul style="list-style-type: none"> <li>• Purified water or neutral water</li> </ul>	6.5~7.5	
	<ul style="list-style-type: none"> <li>• To wash face</li> <li>• For skin care</li> </ul>	<ul style="list-style-type: none"> <li>• Great for skin</li> </ul>	4.5~5.5	
	<ul style="list-style-type: none"> <li>• To wash dishes</li> <li>• For sterilizing</li> </ul>	<ul style="list-style-type: none"> <li>• May get the strong acidic water at around pH 3.5. It is used for cleansing the pipe of the system.</li> </ul>	3.0~4.0	

- ※ The pH level of the alkaline and acidic water level of pH ranges may change accordingly to the quality and quantity of source water.
- ※ It is recommended to use glass or plastic when drinking alkaline water.



# HOW TO MAKE IONIZED WATER

## Making Antioxidant Water

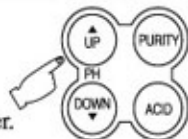
### ► LCD Monitor

BETTER HEALTH  
LAB, INC.  
BHL-4200

### ► Operation LCD Monitor

(R)FIRST FILTER  
COUNT 888  
(L)SECOND FILTER  
COUNT 888

1. Open the water valve. The tap water will come in.
  - Push the reset button, and the first step light(7.5) is on.
2. Select the pH level you want and press the proper pH control button.
  - The pH level indicator is on according to selected level.
  - Green light is on in case of alkaline water.
  - Red light is on in case of strong alkaline water.



3. • Vocal Message : " Now making antioxidant water ".
  - When you turn off the water valve just after drinking alkaline water, it will switch back to the previous setting of alkaline water.

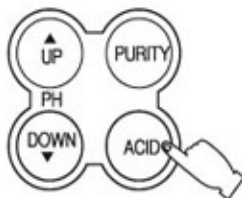
### ► Flow Level



### ■ Water Pressure Indicator Lamp

When the tap water comes in the machine, this lamp shows the level of water flow rate. 'L' means the low water pressure, and 'H' means the high water pressure. It is recommended to adjust the water flow rate to maintain this lamp on 'N', which means the ultimate water flow rate.

## Making Acidic Water



### ► Operation LCD Monitor

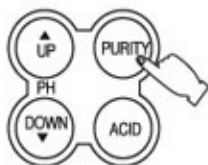
(R)FIRST FILTER  
COUNT 888  
(L)SECOND FILTER  
COUNT 888

- ※ Press the acidic selection button. The acidic water flows out from the alkaline ion water outlet ( Flexible hose).
1. Open the water valve, enabling tap water flow.
    - It switches back to the previously selected alkaline water.
  2. Press the acidic selection button. Then pH 5.5 light is on, you will hear the melody from the machine.
    - Vocal Message : " Now making acidic water ".
  3. You can select pH level among pH 5.5 and 3.5. If the water valve is closed when in use, pH level switches back to the previously selected alkaline level. Note that pH level switches back to pH 7.5, when reset button is pushed. In this case, the above procedure must be repeated as desired

### ■ Water Pressure Indicator Lamp

- ※ Refer to " Now making antioxidant water " above.

## Purified Water



Purified water is filtered water only. It does not pass the electrolysis process.

1. Open the water valve. Then the previously selected alkaline water flows out.
2. Press the purified water selection button. The purified water lamp (Green) is on.
  - Vocal Message : "The purified water is now being generated."
3. Press the pH level button to continue.

### ► Operation LCD Monitor

(R)FIRST FILTER  
COUNT 888  
(L)SECOND FILTER  
COUNT 888

※ If the water valve is closed when in use, pH level returns to the previously selected alkaline level. Note that pH level returns to pH 7.5 in case of reset. In this case, the above procedure must be repeated as desired.

### ■ When the purified water lamp is OFF

When the water pressure is low, the purified water lamp is off and the machine returns to the previously selected alkaline level. In this case, please adjust the water pressure level and operate the machine after resetting.

## Cleansing

In the following case, the machine cleanses the electrolytic cell automatically to maintain the best condition to create the ionized water.

When the total amount of the alkaline and acidic water equals about 3 Gallons.

After turning off the water valve, the machine cleanses the electrolytic cell for about 30 seconds.

After finishing the cleansing process, the amount of 0.2 Gallons water flows out from the water valve.

- **Do not open the water valve in the cleansing process.**
- The cleansing lamp is on (Yellow) during this process and you can hear the melody from the machine.

### ◎ NOTE

- The water could drip from the alkaline water faucet during the cleansing process. But it is not abnormal.
- The machine does not drain out the water even when the cleansing process is ended.

### ■ Water Drain Indicator

When you open the water valve after finishing the cleansing process, the amount of about 0.2 Gallons water is drained automatically with the drain indicator lamp blinking. Then the machine returns to the previously selected alkaline level with the drain lamp off. Do not use this drained water as drinking water.

※ Vocal Message : " Now making antioxidant water ". (After finishing drainage)

### ► Operation LCD Monitor

(R)FIRST FILTER  
COUNT 888  
(L)SECOND FILTER  
COUNT 888

## How to Measure the pH Value

You can measure the pH value of the generated alkaline and acidic water.

- The water flow rate must be adjusted to the standard rate (N).

### ■ Preparatory

- Test solution for pH measurement

### ■ Measurement Procedure

1. Drain out the alkaline or acidic water for about 10 seconds.
2. Fill the ionized water in one third of a translucent glass. Then shake it after dropping 2 or 3 drops of test solution.
3. Compare the color of the tested water with the pH color chart in a bright place.

### ◎ NOTE

- The color of the tested water changes as time passes. It is recommended to compare the colors without delay.
- When you discard the undiluted solution of pH test solution away, please drain the solution lightly with the tap water.
- The color of the tested water may differ from the pH color due to the substances dissolved in water

# HOW & WHEN TO REPLACE FILTER

- 1) In use of the filters of mineral filling chamber and oxygen activating chamber
  - If the quality of source water is fine, the optional filter is not required. In this case, you will see "999" on the monitor. After opening the filter cover and pressing softly the reset button, the sign is changed to "000". Continue to use it.
- 2) In the use of the optional filter
  - The optional filters are supplied according water to quality by location. There are Tap Water A, Tap Water B, Hollow Fiber Filter and to the Mineral Water Filter.

## Time to Replace

- If you notice some difference in the water taste or the water flow rate, then check the filter life.
- If the first filter shows the sign of "999" and "Replacement", then the total amount of water flow is about 800 Gallons or 4 months of use, whichever is first (recommended).
- If the second filter shows the sign of "999" and "Replacement", then the total amount of water flow is about 1200 Gallons, as 6 months of use, whichever comes first (recommended).
- The filter life would be shortened in the following cases.
  - When the input water is rusty due to the aged pipes.
  - When the machine filters water with a lot of impurities in a short time.
  - When the machine is operated in a place where the input water pressure is low like in a tall building.
- ※ The filter life may be different according to places where the source water quality is different. If you notice some differences in the water taste or the water flow rate, check the filter life, and replace the filter if necessary.

### ▶LCD Monitor

#### • Change First & Second Filter

SERVICE CALL  
1-800-810-1888

#### • Change First Filter

CHANGE (R)FIRST  
FILTER  
SERVICE CALL  
1-800-810-1888

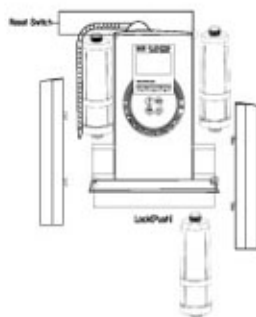
#### • Change Second Filter

CHANGE (L)SECOND  
FILTER  
SERVICE CALL  
1-800-810-1888

OR VISIT TO ORDER ONLINE [www.alkazone.com](http://www.alkazone.com)

## How to Replace the First and Second Filter

- Do not unplug the power cord.  
Unplugging the power cord, the filter meter does not return to "000" even you press the reset button.



1. Open the filter cover and take the filter out.
  - Be careful as water flows from the filter. This is not a leakage.
2. Replace it with a new filter.
3. Run the water through the main body for 2 or 3 minutes by opening the water valve.
  - Water with activated carbon powder will come out just after the replacement.
  - Confirm if there is some leakage between the filter the filter housing.
4. Press the reset button on the side of the changed filter.
  - Press the button after opening the water valve.
  - Check if the filter meter indicates "000".
5. Close the filter cover.
  - The replacement procedure is same for the primary and secondary filter.

### ◎ NOTE

- After replacing the filter, you may see some white and small bubbles in the alkaline water it's not abnormal.
- For about 1 week after replacing the filter, the pH value would be higher than normal state. This is not abnormal.
- ※ Any time you replace the filter, follow the above procedures.

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## TROUBLE SHOOTING

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Please check the following items before calling us for service. If you have any problem with your machine, every step of installation and operation must be checked first. Hooking up hoses in reverse, or failing to plug in the power happens often, but it is not a service issue. **Filter clogging and slower rate to excessive sediments of your source water is not a service issue as well.** If there is still a problem, we will be glad to help you.

### **PARTS:**

A1 Flexible Steel Water Hose and A1 Faucet Diverter Valve and its related parts are packed in the foam package. Please check the package before calling us for *"missing parts"*.

### **LEAKS:**

*Check every external connection first.*

*Check both ends of water input hoses if they have been properly connected to each terminal and well tightened by clamps.*

*Check the filter cartridge that is to be seated and locked on the filter base securely.*

### **POWER:**

The machine should be plugged in at all times, and the power left on. The machine is activated automatically by the water flow. The diagnostic light will tell you which functions are active and if you have power.

### **HOSES:**

Hooking up the hoses in reverse will not damage the machine but will result in strange malfunctions, such as water running, no light and no electrolysis taking place. Please connect hoses correctly.

### **FILTER REPLACEMENT;**

The High Performance Filter is normally rated at 1,000 gallons. If yours unit became prematurely, it must be replace it. ***However, Sediments or deposit content of the source of water must be checked to deter mine if any Pre-filter System is required.***

### **OVERHEATING:**

After extended operation the machine shuts itself down to prevent overheating. Wait 30 minutes before activating machine again. ***Do not worry!*** The automatic shutdown prevents damage this is normal.

### **WATER TASTE CHANGES:**

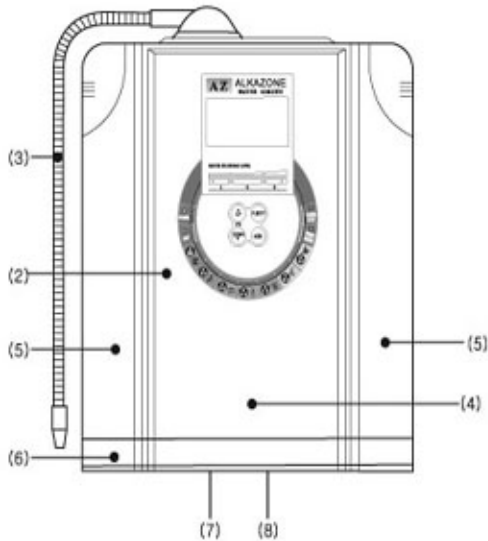
Often a change in taste is due to still water. Therefore, it is recommended to run the water for a few seconds.

# PRODUCT SPECIFICATIONS

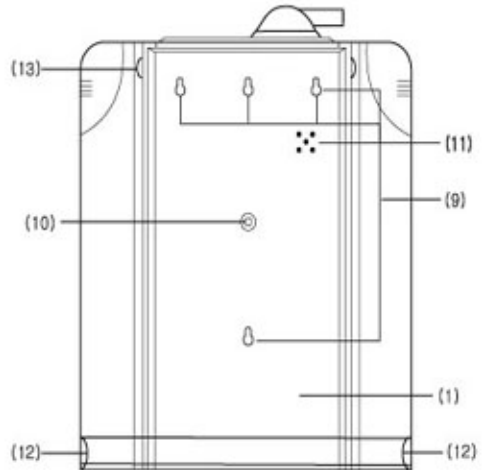
Item		Water Ionizer
Model		BHL-4200
Rated Voltage		AC 120V / 60Hz
Water Supply		Direct connection to the tap water
Main Body	Dimension	350(W)×360(H)×150(D)mm
	Weight	Approx. 6.5kg /or 14.3 lbs
Water Pressure		70~600kPa(0.7~6.0kg/m <sup>2</sup> )
Water Temperature Range		5~35℃ /or 41°F~95 °F
Overheating Protection		Two built-in temperature sensors (Automatic reset type)
Electrolytic System	Type	Serial electrolysis type
	Capacity	2.5 ℓ /min(At water pressure 2kg/m <sup>2</sup> ) /or 0.67 gal/min
	Electrolysis Steps	Alkaline : 5 steps, Acidic : 2 steps
	Cleansing Type	Automatic cleansing (Time : 30 seconds, Drainage volume : 0.8 ℓ )
	Electrode	Platinum titan electrode
Purifying System	Filter Replacement	( Twin cartridge - total six stage filtration )
	Filter Life	Primary : 4 months, Secondary : 8 months( 1200 gallons )
	Filter Life Display	LCD ( 800 gal ) display
	Filter Material	Non woven, pp filter, Granular activated carbon, Silver impregnated activated carbon, Calcium, Textile filter, Mineral Filter ( optional )
Manufacturing		Assembled in US

## PARTS NAME AND DESCRIPTION

Front Side



Rear Side



No.	Name	Description
1	Rear Panel	Internal circuit and parts protection cover
2	Control Board	Function control and indication
3	Flexible Hose	Outlet of alkaline ion water
4	Main Body(Front)	Electrolytic cell is affixed inside
5	Filter Cover	Filter protection cover
6	Bottom Panel	Transformer and parts are affixed inside
7	Acidic Ion Water Outlet	Outlet of acidic ion water
8	Water Supply Inlet	Pipeline water is supplied to the product
9	Wall Mount	Wall mounting hole
10	Fuse Holder	Safety equipment to exchange the fuse
11	Speaker	Plays melody and voice messaging
12	Filter Cover Lock	Anti-open key for filter cover
13	Reset Button	Found in filter chambers on side both

# DIFFERENT FILTERS BY THE USE OF WATER



**Pre-Filter (A)** - This filter is 5 Microm. It comes with all BHL-4200. This is a pre-filter system designed to filter out large particles in the water.

**Regular Filter (B)** This filter is 1 Microm. It comes with all BHL-4200. This filters smaller particles left by the pre-filter system. This can be changed to other filters depending on source water.

**Hollow Filter**- this filter is 0.1 Microm. This filter is an option on the new BHL-4200. It replaces Regular filter (B). It filters very fine particles in the water. Use this filter only if you have very good source water. If the source water has large particles in the water, it may be hard for the water to pass through the filter.

**Mineral Filter**- This filter is 1 Microm. This filter is an option on the new BHL-4200. It replaces Regular filter (B). This filter is an option for people that are using well water. Not all but some well waters lack minerals within itself. Minerals are needed in the water to electrolyze the water to create alkaline water. Without the minerals the water will not be electrolyzed. So to counter this effect mineral filter consist of coral minerals. These minerals will help to electrolyze the water. Use this water if you lack minerals in your water source, generally in well water.

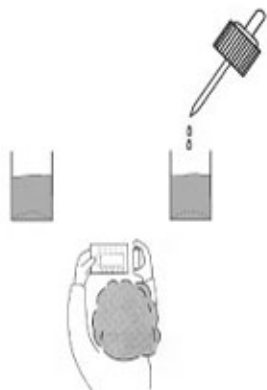
\*Before using Hollow or Mineral filter you should test your water source. You can test it at your local water or you can send sample of your water to Better Health Lab, Inc. to be tested.



## pH Value measurement

You can measure the pH value of alkaline water or acidic water by following these procedures

- Please prepare the pH tester to measure pH value.
- Measurement Method



1. Drain out alkaline or acidic water for 10 seconds.
2. Fill  $\frac{1}{3}$  of a translucent glass of ionized water.
3. Shake the ionized water after dropping 2 - 3 drops of pH tester into it.
4. Compare the color of the ionized water with the pH comparative color chart in a bright place.

### ◎ Note:

- Please compare the colors as soon as possible as the color will change as time goes by.
- When you throw an undiluted solution of pH tester away, please dilute it with water.
- The color of the tested water may differ from the color of the pH comparative table due to the other substances dissolved in the water.
- The color of alkaline water or acidic water are different according to the pH value of each experimented water.



### ***Full One Year Warranty***

Better Health Lab, Inc, will provide one full year of part and Labor(s) warrant form the date of purchase. Misuse, abuse, neglect, mishandling, installation not followed correctly, misapplication, or alteration, modification of installation other than intended design outlined in this booklet may void the warranty.

This warranty applies only while this product is in use the within USA.

For us provide better service, please fill out and return the following warranty card to

**Better Health lab,. Inc.,**  
**221 62nd Street**  
**West New York, NJ 07093 U.S.A**  
**800 - 810 - 1888**

Please record your serial number and date of purchase here for your own records, and return the warranty card to us at address above.

**Please enclose a copy of your invoice along with your warranty card.**

The following information on warranty card will be used only for marketing purpose and will be remained confidential.

----- Cutting here -----

### ***Warranty Card***

1. Name *(First)* \_\_\_\_\_ *(Last)* \_\_\_\_\_

2. Date of Birth: \_\_\_\_\_ 3. Gender: \_\_\_\_\_

4. Address: \_\_\_\_\_  
*Street City State Zip*

5. Tel: \_\_\_\_\_ 6. Spoken language in your family \_\_\_\_\_  
Fax: \_\_\_\_\_

7. Email Address: \_\_\_\_\_  
*(Optional)*

8. Serial Number: \_\_\_\_\_

9. Date of purchase: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

9. Purchase place: \_\_\_\_\_  
*(Dealer Name) Street City State Zip*

10. How were you introduced to our products? (check)

- Ad (write the source)
- Friends/ Relatives
- Dealer
- Web
- Other

If you attempted to fix the problem of your machine and the problem could not be resolved, please contact our Customer Service Representative at **(800) 810-1888**. Our Customer Service Representative is glad to help you with troubleshooting.

**If our Customer Representative gives you an authorization to send your machine for service at Better Health Lab, Inc. shop, please adhere to the following directions carefully. *Without our prior authorization, service will not be provided by us.***

1. Remove Filter before shipping.  
*When you ship the machine, if the filter is mounted, this will cause severe damage to the machine*  
Please see Installation Instructions for page removing filter.
2. Provide us with detail diagnosis and problems of your machine in writing, enclosed with your package.
3. *Make sure that the machine is packed in the original package and put into another box for shipping. A double package is mandatory to prevent any further damages. BHL is not responsible for any caused by improper packaging.*
4. The Diverter Valve, the Flexible Metal Hose, and other hoses must be removed and should not be shipped with the machine to us.
5. Write a correct return address and telephone number on the package for us to contact you, when needed.
6. Freight to BHL, must be prepaid.

## Return Policy

### 30-Day Money-Back Guarantee

Your satisfaction is our goal, and we strive to provide you with the right products to meet your needs. If you are not satisfied with our product, we will give you your money back. No refund will be made for shipping and handling charge. If the machine has been used during the 30 days, then there will be a 15% restocking fee to cover the cost of new filter and shipping and handling. Please call or e-mail us before returning the product. You will receive instructions on returning the item at that time. When returning the product, you must have original packaging, and the shipment must be insured for the original price of the machine. You must pay for shipping to return the item to us. Better Health Lab, Inc. will provide a refund upon receipt and inspection of the product. Your refund will be given the same way your payment was made.