

KYK Alkaline Water Ionizer COMMON USER MANUAL

KYK777



KYK



Thank you for being our customer!

Dear Customer,

We sincerely appreciate your purchase of the KYK alkaline water Ionizer medical substance producer and we wish you health and happiness.

Before operating the products you must read the user manual carefully.

In the user manual it contains the directions for operation as well as the characteristics of the product, so you can get the utmost out of your product. You can use the product more efficiently by properly operating this product and its various characteristics.

All employees of the company always respect the customer's opinion and promise to strive for customer value, health and happiness.

If you have any issues with your product you can contact us at any time.

Again we sincerely value you as our customer and hope that this will be the beginning of a satisfying relationship.

Thank you.

Sincerely,
The entire KYK team



- ① The first hot & cold alkaline water ionizer in the World
- ② Automatic and sterilized outlet system
- ③ Solve sanitary problem from bacterial virus of cork and water tank
- ④ 10times more (outer cork) compared to previous water cooling dispenser within 4~5 degree
- ⑤ No need of Stanby electric from removal of Water tank,
cost effective and eco environmental product
- ⑥ Installation of 4 filters, removal of limestone and maximize ability of purified water
- ⑦ Compact size with maximization on space and lightness
- ⑧ Convenience and innovative luxury design
- ⑨ Use in various applications with Instant Hot and cold alkaline water ionizer
- ⑩ One touch operated system for each selected function
- ⑪ patented titanium electrolysis of 5 or 7 plates
- ⑫ 8 different types of water generates and comes out and convenient
selected system to choose each different usages.
- ⑬ Display system of PH value per each levels
- ⑭ Display system for 7 errors on self-diagnosis
- ⑮ Automated after cleaning system for each usage





General body

[Top View]



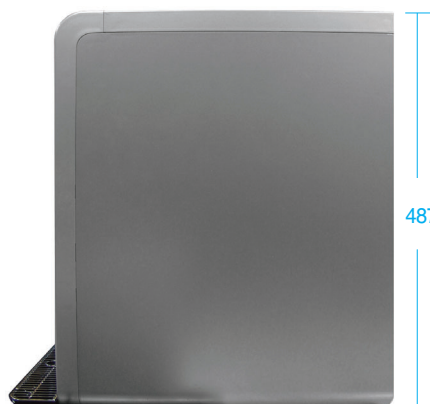
[Left View]



[Front View]



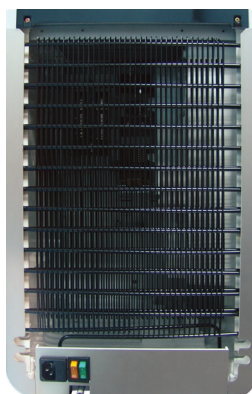
[Right View]



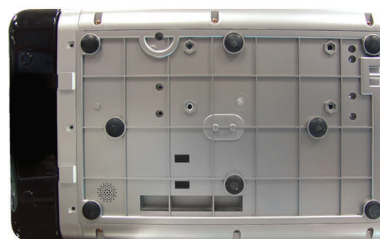
487mm

300mm

465mm



[Back View]

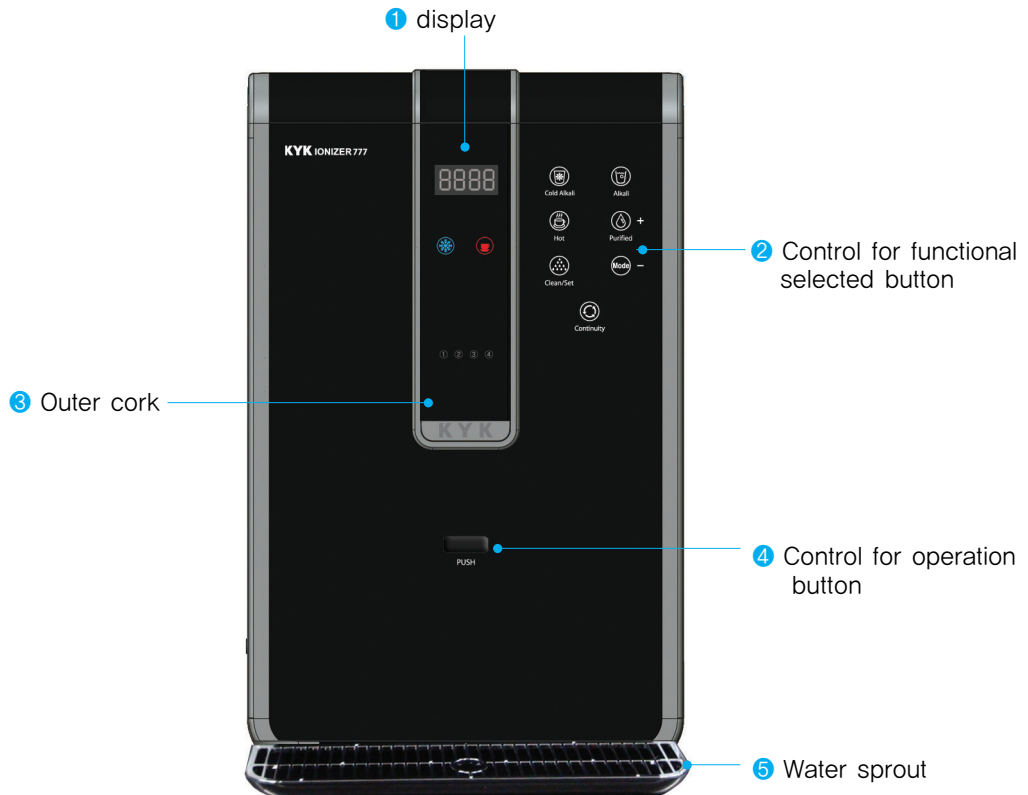


[Bottom View]



Control panel

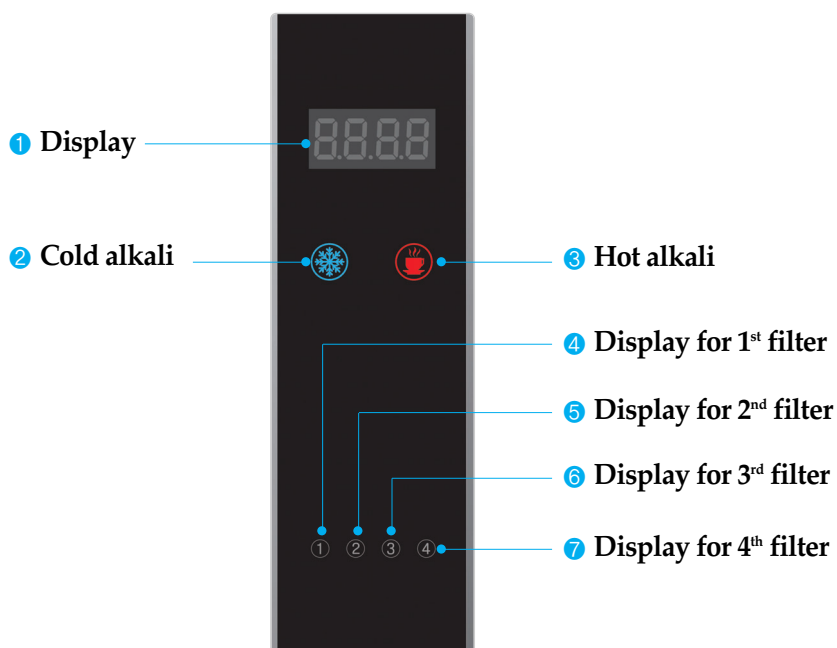
Explanation for front side



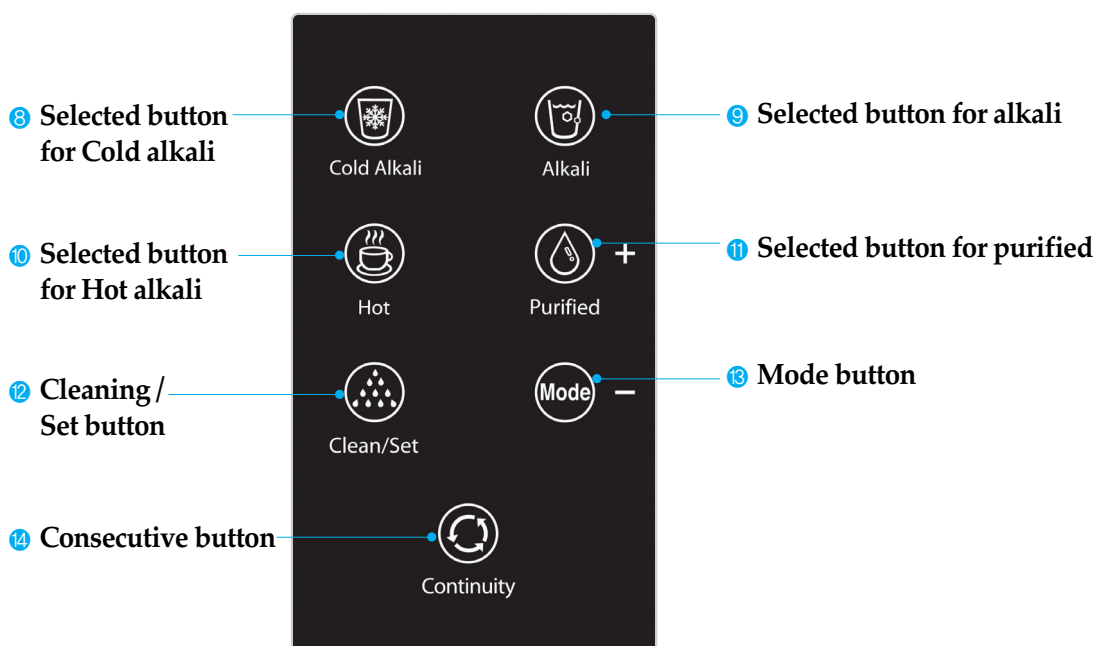
- ① **Display:** attach every parts and and case on exterior.
- ② **Control for functional selected button :** Selected button for each different function
- ③ **Outer cork :** If press operation button, outer cork will come out.
If ends, automatically goes back inside.
- ④ **Control for operation buttont :** Operation button to operate outer cork
- ⑤ **Water sprout :** Parts to remaining from outer water.



Middle cork on LED display



Function control





- ❶ **Display** : usage state per each function and function setting will be displayed
- ❷ **Cold alkali** : If select Cold water function, light turns on while operation.
- ❸ **Hot alkali** : If select Hot water function, light turns on while operation.
- ❹ **Display for 1st filter** : Light turns on when 1st filter needs replacement
- ❺ **Display for 2nd filter** : Light turns on when 2nd filter needs replacement
- ❻ **Display for 3rd filter** : Light turns on when 3rd filter needs replacement
- ❼ **Display for 4th filter** : Light turns on when 4th filter needs replacement

❽ **Selected button for Cold alkali :**

Use when cold alkali needs and each level will go up by touch 1 time

Cold alkali (Total of two steps pH 8.0/pH 8.5)

❾ **Selected button for alkali :**

Use when alkaline water needs and each level will go up by touch 1 time.

Alkali (Total of four steps pH 8.5/pH 9.0/pH 9.5/pH 10.0)

- ❿ **Selected button for Hot** : Use when alkaline water selected
- ⓫ **Selected button for purified** : Use when purified water selected
- ⓬ **Cleaning/Set button** :

Cleaning - use when requires forcible cleaning

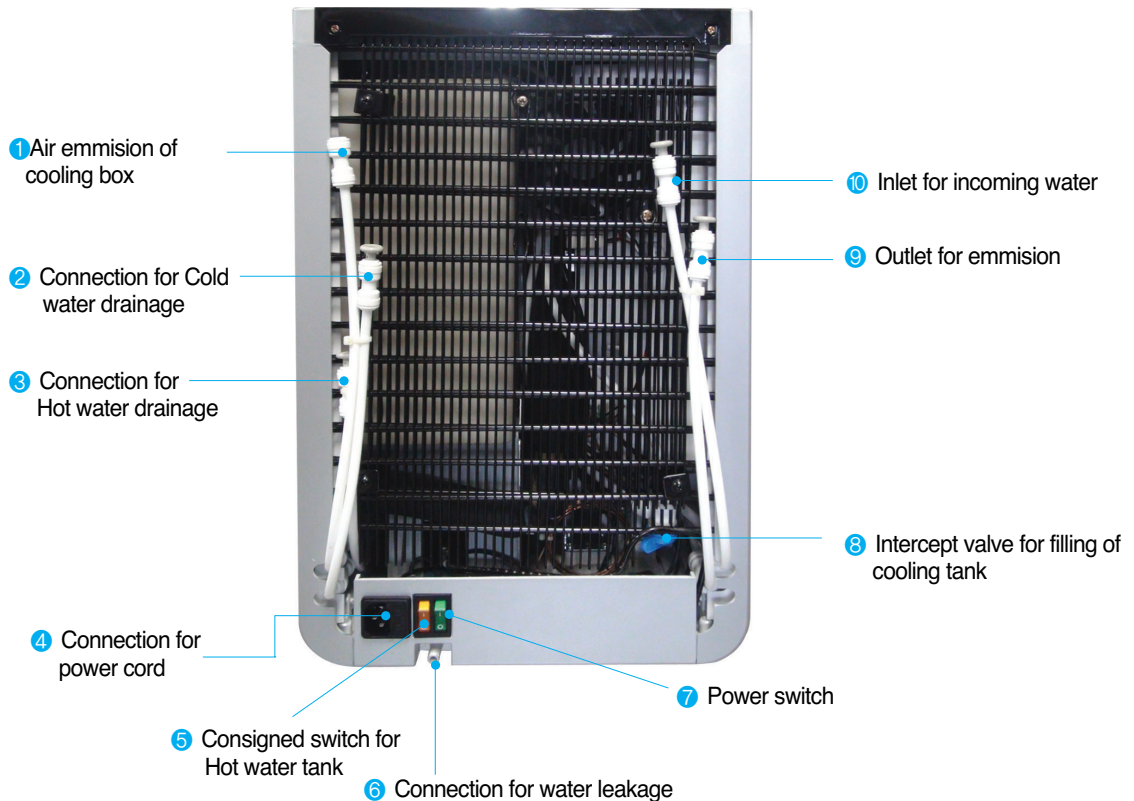
If Consecutively usage reach up to 20L~50L (cleaning period for consecutive usage differs on setting value of usage), cleaning will automatically be done for 20 second while operation process.

※ Setting - If into Setting mode, use when necessary to change Setting value.

- ⓭ **Mode button** : Use this mode button If requires to do setting change
- ⓮ **Consecutive button** : Use this function if required to select mode










Explanation on back side of main body



- ① **Air emission of cooling box:** Purpose of open / close of fitting cork when refill coolant into cooling box
- ② **Connection for drain of cold water tank :** When electrolysis, exhalant for alkaline water / or acidic water
Connection for Hot water drainage
- ④ **Connection for Power cord :** Power cord to supply power
- ⑤ Consigned switch for HOT water tank
- ⑥ Connection for water leakage
- ⑦ **Power switch:** ON / OFF button for main power supply
- ⑧ Intercept valve for filling of cooling tank
- ⑨ Drainage outlet
- ⑩ **Incoming water inlet :** Diverter valve in water pipe or inlet for water from water pipe to main body of product



Check on parts and appendages

Parts			
			
Water sprout	Extension cord	pH testing drops	
			
Faucet diverter valve	White Hose	Fitting cork	Product user Manual

※Separate Purchase

			
Dust (In - line) filter	Water Pressure Reducer Valve	Special pressure booster pump	Pre-process filter

Dust (In-line) filter

Dust filter must be installed at a place where foreign objects (e.g., rusty water, fine soil and/or residue) are coming from water pipe in order to operate sol valve (source water automatic open/close valve) and to prolong product life (install 'arrow direction' side toward inlet)

Water Pressure Reducer Valve

Pressure booster (reducing) valve must be installed at a place where water discharge quantity is more than 3.5L due to high pressure (install 'arrow direction' side toward inlet).

Special pressure booster pump

Special pressure booster pump must be installed at a place where water discharge quantity is less than 1.0L (about 10%) due to low pressure

Pre-process filter

Pre-process filter is a product manufactured and approved for use in tap water. The pre-process filter must be installed at a place where ground water is used and/or water quality is bad.

Replacement interval is six month.

※ The pre-process filter (sediment/nano filter) must be used at a place or an area of nation where tap water contains lots of limes. A separate device must be installed for source water containing nitrate nitrogen and heavy metal, for example.



| Explanation on Display of front screen

If touch for each different level, display portion will be shown as below



Cold Alkali

[1st step of Cold alkali water]

PH8.5

[2nd step of Cold alkali water]

PH9.0



Alkali

[1st step of Alkali water]

PH8.5

[2nd step of Alkali water]

PH9.0

[3rd step of Alkali water]

PH9.5

[4th step of Alkali water]

P 10.0



Purified

[Purified water]

PUR1



Hot

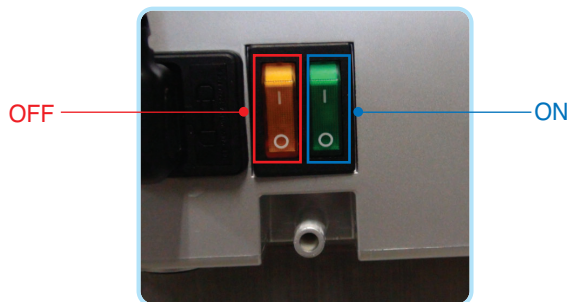
[Hot water]

HOT

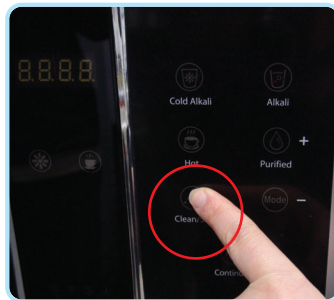
Instruction for intallation



- 1 Install faucet diverter valve into pipe line.
- 2 Connect hose inlet of Natural resource and drainage fittings.
- 3 Insert to bottom to middle of product.
- 4 After power connection, remain green light and stay as off for yellow (hot water) switch.



- 5 If front cleaning/setting button gets brighter, press cleaning/setting button



- 6 Cleaning will start for 3minutes, and cleaning/Setting button will be flickered
- 7 Cleaning will be completed
- 8 Consecutive button will come brightly
- 9 Turn right (close) on intercept valve for filling of cooling tank, located in right bottom of the product.



OPEN



CLOSE



- ⑩ Always cooling box of air emission from back of product, fitting cork will be pulled out.



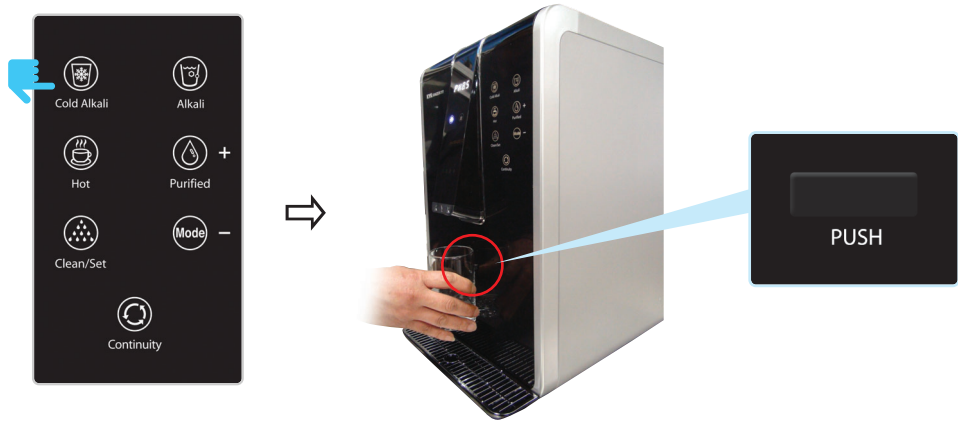
- ⑪ If press consecutive button, coolant will be filled and consecutive button will be in status of flickering. And if filling is completed, consecutive button will be off.
- ⑫ Turn Intercept valve to right direction(CLOSE) for filling of Cooling tank in right bottom of product. And then, fitting cork for air emission will be inserted again.
- ⑬ Product will be in status of stanby on outer operation
- ⑭ In case of demand on Hot water, cold water will come out instead of hot water at initial stage. If so, turn on warm switch from back side of product.

If 1Liter of Hot water comes out, hot water heater will heat up after certain time. therefore, hot water can come out consistently.

Caution

- After initial installation, Product re-start after certain usage, it will come out cold water instead of Hot Water. In this case, 1liter of Hot water requires to pull out and then, Warm water will be available.
- After initial installation, Product will have voice sound on lack of cooling water. After re-start of power, cooling water will be automatically filled.
- In case of demand on Hot water, cold water will come out instead of hot water at initial stage. If so, turn on warm switch from back side of product. If 1Liter of Hot water comes out, hot water heater will heat up after certain time. therefore, hot water can come out consistently.

Instruction of Usage



Cold Alkali

- 1 If Cold alkaline button is touched, ph level appear on LCD and voice messege will come out. LED will come brightly, blue light will come to screen of Cold Water. If cup press (Outer) button, outer cork will be protrusion and Cold alkaline water will be come out.
- 2 By use of cold alkaline water button, use with selected level of ph8.0~8.5 cold alkaline water at total of 2 levels.
- 3 As memory of previous ph level, it will have Cold alkaline water with certain level.
- 4 If seperation of cup from outer cork, outer water stops and outer cork will return after 5 seconds.



Alkali

- 1 If alkaline button is touched, ph level appear on LCD and voice messege will come out. LED will come brightly, blue light will come to screen of Cold Water. If cup press (Outer) button, outer cork will be protrusion and Cold alkaline water will be come out.
- 2 By use of cold alkaline water button, use with selected level of ph8.0~8.5 cold alkaline water at total of 4 levels.
- 3 As memory of previous ph level, it will have Cold alkaline water with certain level.
- 4 If seperation of cup from outer cork, outer water stops and outer cork will return after 5 seconds.



Hot

- 1 If Hot button is touched for 3 seconds, LED will come bright on Hot button. Hot water will display on LCD, red light on portion of Hot display comes together with voice message. As Hot button is on with light, Hot water comes out after press outer button with Cup.
- 2 In case of demand on Hot water, cold water will come out instead of hot water at initial stage. If so, turn on warm switch from back side of product. If 1 Liter of Hot water comes out, hot water heater will heat up after certain time. therefore, hot water can come out consistently.
- 3 For every time, press Hot water button repeatedly for 3 seconds.
- 4 After separate cup from outer button, it will stop and outer cork will return after 5 seconds.
- 5 Be cautious due to burn!



Purified

- 1 If Purified button is touched, purified screen will appear on LCD and voice message will come out, LED will turn out to be bright on Purified button. If press outer button with cup, outer cork will be protrusion and purified water will come out.
- 2 Separate cup from outer button, outer water will stop and outer cork will return after 5 seconds



Clean/Set

- 1 While standby of outer water, voice message will come together with cleaning display on LCD. LED button will come bright. Basic 3minute cleanign starts and cleaning process can be stopped if press cleaning/Setting button one more time.
- 2 After change mode in Selected mode, changes will be saved after press cleaning/Set button
- 3 If require on electrolysis plate, it uses for forcibly cleaning.



Continuity

1 If Purified button is touched, purified screen will appear on LCD and voice message will come out, LED will turn out to be bright on Purified button.

If press outer button with cup, outer cork will be protrusion and purified water will come out.

2 Seperate cupt from outer button, outer water will stop and outer cork will return after 5 seconds



1 If Purified button is touched, purified screen will appear on LCD and voice message will come out, LED will turn out to be bright on Purified button.

If press outer button with cup, outer cork will be protrusion and purified water will come out.

2 Seperate cupt from outer button, outer water will stop and outer cork will return after 5 seconds



Period of filter replacement

Replacement period for 1~4 level of product) If less than 100 liter for each filter or week ago for filter replacement, filter replacement period will be notified.



	1 st filter	2 nd filter	3 rd filter	4 th filter
Name of filter	Sediment Filter	Sediment Filter	Sediment Filter	Sediment Filter
Effective of filtered	3,500L	3,500L	9,999L	7,000L
Life span of filter	6months	6months	18months	12months

- (In mode button), remaining of filter and filter lifespan will be verified.
- If effective filter becomes 0 or time to replace, LCD will be flickered and have comments
- After replacment period, 15day or additional 200 Liter can be used, if more than that, product won't operate.

※ **Warning!** If your water ever smells bad or the flow rate is severely reduced, you will need to change the filters even though the display shows remaining filter life. This will happen in the case of overly contaminated or hard water. If your supply water is really bad, you'll need to install pre-filters.

Filter replacement instructions



- 1 Always lock natural resource of water (diverter valve)
- 2 Press purified button in remaining of water in Product, Water will enoughly drain out until water doesn't come out.
- 3 Bottom part of home in left side of product, put finger in two parts, lift slightly and filter door will be removed.



- 4 Hold the filter and turn it to the right (OPEN), then pull out. The old filter can now be taken out of the product







- 5 Tightly connect bottom part of new filter and filter socket, twist to right direction (Close) and put it accurately and slide back on filter

※ Be cautious not to breakaway on rubber o ring of connection portion and filter and main body. If rubger o rinig breakaway or filter doesn't fit to main body, be cautious on leakage of water.

- 6 Filter door needs to be pulled after insert on left and top side.
- 7 If Natural resource (diverter valve) opens and enter into product, select purified button. Press Push button with cup for 2~3 minutes, drink until black water (ingredient of activated carbon) doesn't come out.



Instruction for filter reset

- 1  If press mode button for 6 seconds, it will be on step of mode selection.
- 2 If filter selection process sets by mode button, FIL will display on LCD screen.
- 3 If press  + or  - button, used liter will display on LCD and LED of each filter label on bottom of outer cork.
- 4 It will stop at number of filter that needs re-set. If press Consecutively button for 3 seconds, life span of filter and quantity will be re-set)
- 5 If press  button, it will be saved and get out from mode system
Clean/Set



Self diagnosis for error displays

If error numbers appear on display, contact call center to solve problems

- E1** If water pressure is less than 0.8 liter/minute and 3.5 liter/minute, it will be displayed. To protect product, set inlet water pressure since electrolysis plate will not operate.
- E3** Overload on Hot water tank
- E4** If lifespan of filter is less than 1 Liter, it will be appeared.
Please contact call service center.
- E10** If Super-cooling or lack of refrigerant, it will be appeared.
Please contact call service center.
- E11** If problem with motor of outer cork, it will be appeared.
Turn off power and on.
- E12** If leakage in product, it will be appeared.
Please contact call service center.
- E14** If problem with hot water tank heater, it will be appeared.
Please contact call service center.
 - If heating doesn't work due to heater problem
 - Overheated of heater



pH8.5 (1st level alkali water)

- Use this level when you first start drinking alkaline water.
Drink this level for one to two weeks before progressing to 9.0 pH.
- This is also a good level for mixing with powdered milk and for those with gastroenteric issues.



pH9.0 (2nd level alkali water)

- After drinking pH 8.5 water for one to two weeks, drink this water for one to two weeks before drinking 9.5 pH.



pH9.5 (3rd level alkali water)

- This is the level most adults choose to drink.
- This is also a good level for making tea; it enhances natural flavors and shortens stewing time.
- If you drink alcohol, this level of water is good to help with hangovers.



pH10.0 (4th level alkali water)

High alkalinity water has a detergent-like effect and is able to dissolve and draw out oil-based substances (pesticides are often oil-based and not removed with standard water). pH 10.0 high alkalinity water more effectively emulsifies oil, cleans oily or greasy items, strips oil-based pesticides off produce and infuses vegetables with negative ions that retard their degeneration. Some specific uses include:

- Clean cutting boards, knives and dishes
- Sterilize (soak) vegetables, beef, pork and fresh fish. Also helps to bring out natural flavors and reduce acid.
- Great for making soups.
- First rinse rice in pH 8.5 alkaline water and then cook that rice in pH 10.0 water to quicken cooking time, reduce damage to the rice and maintain its natural flavor.
- Remove spots and stains
- Reduce detergent use
- Soak vegetables to remove bitterness. Boil vegetables in this water to help maintain their nutrients and color.
- Effectively remove pesticides from fruits and vegetables
- Infuse vegetables with a high negative ORP providing a ready supply of antioxidants.



Safety Pre-Cautions



To avoid electric shock, leak and /or fire.

- This product must only use AC120V(American type) and AC 220V~240V (European type) .
- Keep the electrical plug free from dust and dirt.
- If the electrical plug is broken, do not use the KYK Product.
- Do not connect too many electrical plugs to one power supply.
- Dry your hands before inserting or removing the electrical plug.
- Do not bend or pull the electrical plug with too much strength.
- Do not take apart or repair the KYK Product without certification.



To avoid problems and failures with the KYK product.

- Do not expose the KYK Product to highly moisturized environments such as rain, your bathroom, or your shower.
- Do not place a heavy object on the KYK Product.
- Install the KYK Product on a solid and horizontal countertop or shelf.
- Only use cold water with the KYK Product.
- Do not move the KYK Product when it is operating.
- Do not shock the KYK Product.



To avoid leakage.

- Do not twist or bend the water supply hose.



To avoid staining and peeling.

- Do not use thinner, benzene, or wax when you clean the KYK Product.



To avoid distortion of the KYK Product exterior.

- Keep out of direct sunlight or heat.



To avoid impure water and KYK Product malfunctioning.

- Be sure to only supply clean, quality water to the KYK Product.
Do not hook up directly to a well, lake, river, etc.

Product Specifications



- ❑ **Power supply and frequency:** 220V AC 50~60Hz
- ❑ **Max. power consumption:** 700VA
- ❑ **Function and specification of Water supply:** Stationary direct water pipe type)
- ❑ **Workable temperature :** 5~35° C
- ❑ **Range of using water pressure :** 3.0kgf/cm²
- ❑ **Electrolysis method :** Consecutively electrolysis method (internal Flow sensor)
- ❑ **Electrolysis- processing amount :** Alkaline water 1.8 Liter / minute

- Exchange on capability of electrolysis :

2 levels of Cold alkaline water, 4level of Alkaline water, Cold purified water, Hot water

-Electrolytic cell : Titanium electrolysis 5 or 7 plates

-Cleaning of electrolysis plate:

Automated cleaning method (Cleaning method by mycom control)

- ❑ **Filter** Use quantity 1st filter : 3,500 Liter for about 6months,
 - 1st filter : 3,500 Liter for about 6months
 - 2nd filter: 3,500 Liter for about 6months
 - 3rd filter: 9,999 Liter for about 18 months
 - 4rd filter : 7,000 liter for about 12 months(Depends on water quality and condition per location and countries, there might be required for reduction of filter)

- ❑ **Replacement period for filter**

1. If life span of filter is almost over, (require to change even if there are residual
- 2.If effective water volume for each filter is less than 100 Liter or 1 week prior to filter replacement (LED appears on status of 1~4rd filter for main body of product)/ able to check life span and effective water volume for each filter in Mode
3. Due to low water quality of incoming water per region or dry season, filter required to be replaced if there are problems with Water taste, smell, and color.
- 4.Types of filters:
 - 1st filter: Sediment filter / 2nd filter : Post alkali filter
 - 3rd filter : Nano membrane filter / 4th filter : Pre carbon filter
5. Replacement method: Filter Replacement method (Refer to user manual)
6. Power protection equipment : Fuse
7. Overcurrent detection: Electrolysis operation automatically stopped
8. Over temperature protected equipment :
 - Product stop operationally by internal circuit on temperature detection in SMPS

Warranty Registration



Terms of Warranty: One year

Purchase Date:

Customer's	Address:
	Name:
	Phone No:
Seller	Name:
	Company:
	Representative:
	Phone No:

1. Our company will pay for repair, labor and shipping for one year to warrant the performance and operations. If repair of the produce is not possible, we will replace the product.
2. Customer will pay for repair charges including shipping under the following conditions:
 - (1) A malfunction occurs after the warranty has expired.
 - (2) The unit is damaged by the customer.
 - (3) Damage is caused by customer attempting to repair the unit themselves or the unit is repaired by an unauthorized service center.
 - (4) Damage is caused by using the incorrect electrical voltage.
 - (5) Damage is caused by using an imitation filter.
 - (6) Damage is caused by a natural disaster.
 - (7) Damage is caused by exposing the electronics to water or moisture.

KYK



KYK Co., Ltd promises to treat every customer fairly and respectfully with their health and happiness our number one priority.

KYK **김영귀 환원수**

The head office address / Manufacturing Company :
KYK Co.,Ltd #406.407,408 Sun-il technopia, 440
Sangdaewon-Dong, Joongwon-Gu, Sungnam City,
Kyunggi-Do, KOREA zipcode 462-120

TEL: 82-31-777-3939 FAX: 82-31-777-3456 www.kyk.com