



Alkali Ionized Water Producer, HK-3500A

# PRODUCT USER'S MANUAL

This product is a medical device.  
Please read and understand the user's precautions and  
operating procedures before using the product.



 HK Co., Ltd.

## Greetings

Since its establishment in 1993, HK Co., Ltd. has been taking a contributory role to the promotion of the nation's home medical device industry by producing OEM products, exporting our products to overseas markets and providing technical support, etc. based on our super-sized production ability and perfect technical skills, and through our accumulated production ability, technical know-how and research activities we have taken without a break, we have founded HK Co., Ltd. to be a central shaft in the medical device market, and to step up to the people in the world, before anybody else, with our superior products.

It's been able to realize the dream of prolonging our life, but determining the root cause of diseases and further developing curing methods to prevent such diseases have yet been undone, therefore, by achieving the 'improvement of physical conditions', the term defined in an oriental medical science and also by introducing the state-of-the-art medicine of the West, and through conducting researches and experiments for several years to come, the Research and Development Team of HK Co., Ltd. devotes themselves to develop perfect technologies enabling them to produce perfect medical devices keeping the basis on the nature, and taking the natural power of healing as our research target.

Thank you.

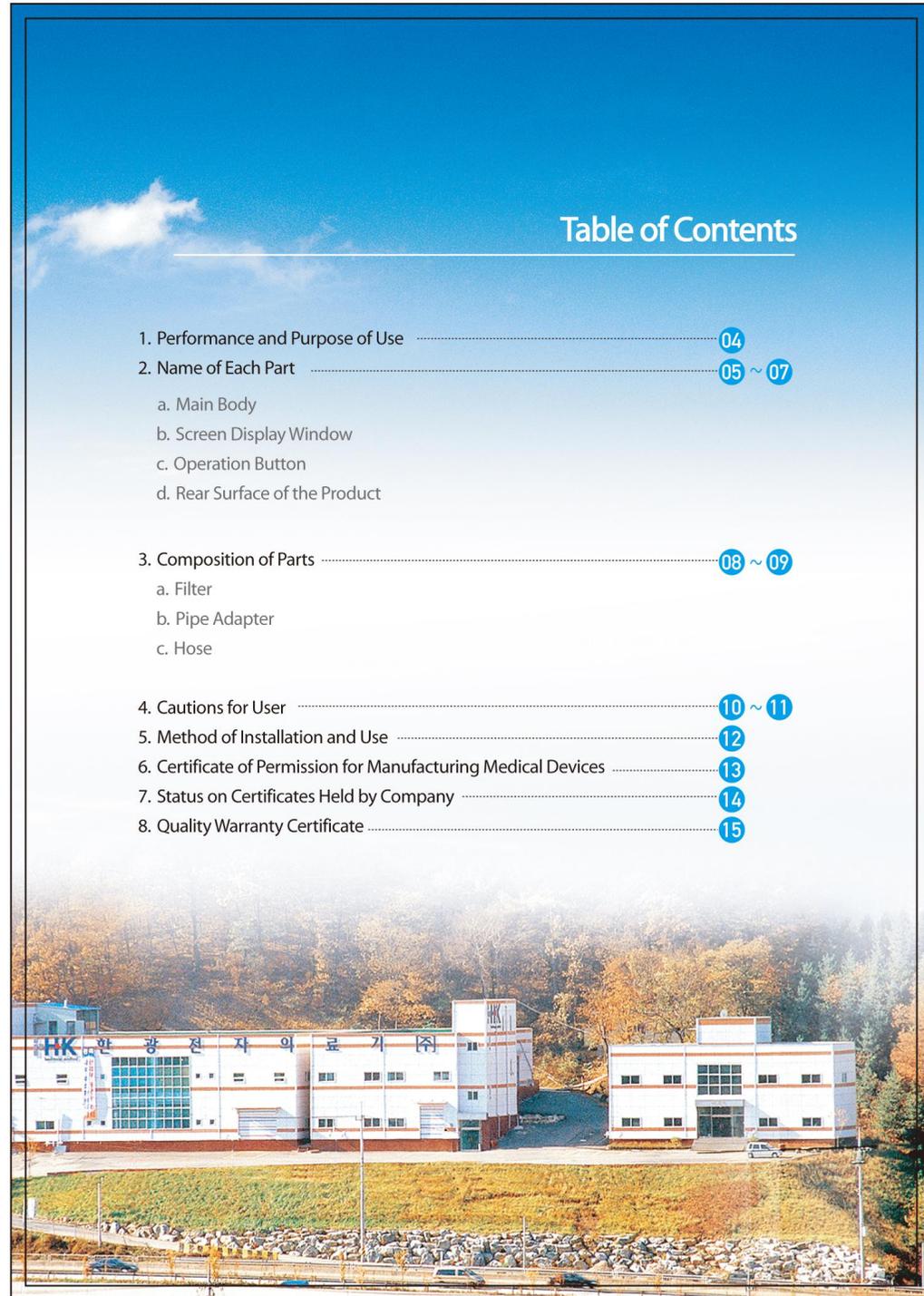
Thank you very much.

All Executives and Staff Members

 **HK Co., Ltd.**

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# Alkali Ionized Water Producer, HK-3500A

## Performance and Purpose of Use



### 1. Performance

- (1) Rated Voltage: AC220V, 60hz
- (2) Power Consumption: 420W
- (3) Usable Water Pressure and Temperature: 0.5~5.0kgf/cm<sup>2</sup>, 5 °C ~30 °C
- (4) Water Quantity
  - ① Alkali Ionized Water: 2.0ℓ/min (±0.2ℓ/min)
  - ② Purified Water: 1.5ℓ/min (±0.2ℓ/min)
- (5) Frequency of Filter Replacement: 12months (Filtered Purified Water Quantity: 1,800ℓ)
- (6) Total Quantity of Optimal pH Generation: Approx. 1,800ℓ
- (7) PH Density
  - ① Alkali Ionized Water: pH 9.5±0.3
  - ② Purified Water: pH 7.5±10%
- (8) Filter Treatment Capacity: 2.0LPM or less
- (9) Classification of Device: 1st class, B-type Device
- (10) Liquid Invasion: IPX 1

### A. Purpose of Use

It's an alkali-ionized water producing device which produces alkali-ionized water through the chemical reaction process, etc. of normal drinking water, and the alkali-ionized water so produced is of a pH level from higher than 8.5pH and up to 10.0pH (hydrogen ion density of pH 9.5) which has been proved to be helpful for the improvement of various stomach related phenenomen (such as

It's an alkali-ionized water producing device which produces alkali-ionized water at the pH level of higher than 8.5pH ~ 10.0pH (hydrogen ion density of pH 9.5) through the chemical reaction process, etc. of your drinking water, and the alkaline water has been proved to be helpful for the improvement of various stomach related phenenomen, such as chronic diarrrhea, indigestion, abnormal fermentation within the stomach and excess acid in the stomach, etc.

### B. Useable Time

- (1) Total Quantity of Optimum pH Production: 1,800ℓ
- (2) If approx. 5ℓ is used daily: Able to use for 365days

# Alkali Ionized Water Producer, HK-3500A

## Name of Each Part



### 2. Name of Each Part

#### A. Whole Main Body

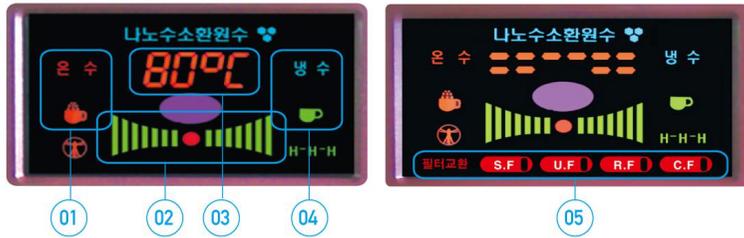


No	Part Name	Function	Remarks
01	Screen Display Window	Indicates the movements of the device.	
02	Operation Buttons	Sets movements of the device.	
03	Cold Water Outlet	The outlet cold water is discharged from.	
04	Cold Water Dispensing Lever	If the lever is pushed, cold water is discharged.	
05	Hot Water Dispensing Button	Only when the button is pushed, hot water is discharged.	
06	Hot Water Outlet	The outlet hot water is discharged from.	
07	Hot Water Dispensing Lever	If the lever is pushed, hot water is discharged.	
08	Lamp	The lamp that is turned on when the power is ON.	

# Alkali Ionized Water Producer, HK-3500A

## Name of Each Part

### B. Screen Display Window



No	Part Name	Function	Remarks
01	Hot Water Indication Lamp	Indicates the hot water function is in process.	
02	Movement Indication Lamp	When power is ON, indicates the movements are process.	
03	Temperature Indication Lamp	Indicates the temperature of hot water (25°C~80°C).	
04	Cold Water Indication Lamp	Indicates the cold water function is in process.	
05	Filter Replacement Indication Lamp	Indicates the lifespan of the filter has been expired.	

### C. Operation Buttons



No	Part Name	Function	Remarks
01	Hot Water Button	Button used for starting the Hot Water function.	
02	Hot Water Temperature Raising Button	Button used for raising Hot Water Temperature.	
03	Hot Water Temperature Lowering Button	Button used for lowering the Hot Water Temperature.	
04	Cold Water Button	Button used for starting the Cold Water function.	
05	Sound Removing Button	Button used for removing the Guidance Sound.	
06	Power/Lamp Button	Button used for turning the power ON of the device.	

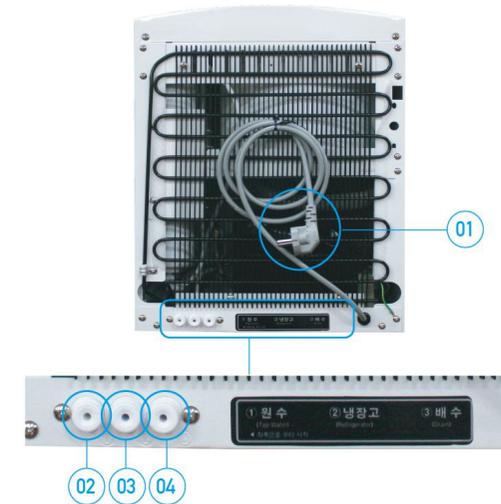
# Alkali Ionized Water Producer, HK-3500A

## Name of Each Part

### [Setting of Filter Replacement Frequency]

1. Turn off the electric power.
2. Press both the hot water button and cold water button at the same time for more than 2 seconds.
3. The word 'No.1 filter (S.F.) is displayed in the screen.
4. Now, if you press both the hot water button and cold water button at the same time for more than 2 seconds, the replacement time for No.1 filter (S.F.) will be set.
5. Press both the hot water button and cold water button at the same time for more than 2 seconds.
6. The word 'No.1 filter (S.F.) is displayed in the screen.
7. And then, by pressing the hot water temperature raising button, have the No.2 Filter (U.F.) displayed.
9. Hereafter, for setting No.2 filter (U.F.), follow the reset method of No. 1 filter and set the No.2 filter.

### D. Rear Surface of the Product



No	Part Name	Function	Remarks
01	Electric Power Code	The electric code use to connect the device to electric power.	
02	Normal Potable Water	The water inlet through which normal potable water is supplied.	
03	Refrigerator	The function with which the alkali water is sent to the refrigerator.	
04	Discharge Outlet	The water discharge outlet through which water is discharged.	

# Alkali Ionized Water Producer, HK-3500A

## Name of Each Part

### 3. Composition of Parts A. Filte



(Replacement Time of 1st ~ 4th filter: Approx. 12months)

No	Part Name	Function	Remarks
01	1st Filter	The sediment filter (The filter that purifies water).	
02	2nd Filter	Hollow fiber membrane filter(The filter that purifies water).	
03	3rd Filter	Alkali Ceramic Filter (The filter that revivifies water into alkaline water).	
04	4th Filter	Carbon Filter (The filter that purifies water).	

[Indications About Filter] **Caution:** In the event of any break down occurs with the product due to the reason that no genuine filter of HK Co., Ltd. but that of other company, no free A/S shall be provided by HK Co., Ltd. even within the product warranty period.



1st Filter



2nd Filter

# Alkali Ionized Water Producer, HK-3500A

## Name of Each Part

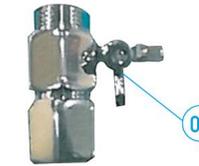


3rd Filter



4th Filter

### B. Pipe Adapter



No	Part Name	Function	Remarks
01	Pipe Adapter	The valve that controls the water input of normal potable water being supplied to the product.	

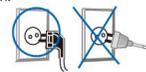
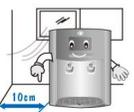
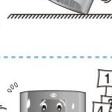
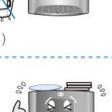
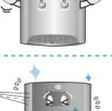
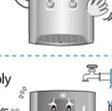
### C. Hose



No	Part Name	Function	Remarks
01	Hose	The hose used for water input and water discharge.	



#### 4. Cautions for User

<p>Never attempt to separate the parts, dismantle, repair of the product by your own disposition. ※ It may result in fire or cause an electric shock.</p> 	<p>Please do not use any current or voltage other than those indicated (A.C. 220V) herein. ※ It may cause an electric shock or result in fire.</p> 
<p>Please do not pour water onto the product or wash it with water. ※ It may cause an electric leakage or an electric shock.</p> 	<p>Don't put a heavy article on the electric code, or don't forcibly crook, tie or pull the electric code. ※ It may result in fire due to an electric shock or a short circuit.</p> 
<p>Install the product on an even and stable surface. ※ If it's installed on a weak and slopped surface, it may cause creating strange sound or unusual vibration.</p> 	<p>Install the product in a location with low humidity and well ventilated, keeping more than 10cm apart from a wall surface. ※ This may cause damage to the product.</p> 
<p>Please install the water supply hose only on the cold water pipe. ※ Failure to do so may cause damage to the filter. ※ <b>Caution: It must be installed on the tap water, and in case of the area is near to underground water or the shore, please consult with a specialist about the matter.</b></p> 	<p>Do not move the product while the product being operated. ※ Failure to do so may cause damage to the filter.</p> 
<p>Please don't decline the product more than 45° while the product being installed or transported. ※ Please wait one (1) hour after installing or relocating the product before putting the power plug into the power outlet.</p> 	<p>Avoid placing the product in a place directly exposed to sunlight, near to heating devices, or where the temperature is too low. ※ It may cause deterioration of the external appearance or shortening the lifespan of the filter due to damage to it. (Allowable temperature: 5℃ ~ 40℃)</p> 
<p>Please drain out the hot water which have not been use for more than 34 days. ※ The water may give off unpleasant smell.</p> 	<p>Please don't put heavy or dangerous articles on the product. ※ It may cause deterioration of the external appearance or damage to the product.</p> 
<p>Do not use thinner, benzene or wax, etc. for cleaning of the product. ※ It may cause a damage to the product due to discoloration or surface peeling, etc.</p> 	<p>Please do not separate the water supply hose while the water supply valve is open. ※ It may cause water leakage due to the water pressure.</p> 

※ As we are the firm who has received the Korea Electric Appliance Safety Certificate, you may use the product safely if you follow the above precautions carefully.



(1) The followings cautions are to be observed by users when they drink the water created by electrolysis, etc. (called as 'created water').

- ① Please do not take any medicine with alkali ionized water together.
- ② In case you drink the alkali ionized water for the first time, take your doctor's advise, and start with drinking a small amount of the water which pH level is near to the neutral degree.
- ③ In the event that you feel any abnormality with your body or no improvement for your stomach related phenomenon has been seen through drinking the alkaline water, then stop taking the water and consult with your doctor.
- ④ For the person who is under the medical treatment, in particular, having a disorder with his or her kidney, or suffering from any kinds of abnormalities with their body, they should consult their doctor before drinking the alkali ionized water.
- ⑤ The patients who are suffering from renal disease, such as renal failure, trouble in excreting potassium, etc. should not drink the water.
- ⑥ At the time hen you start drinking the alkali ionized water and 1 month after that, check and confirm the pH value according to electro type (pH series) or colorimetric method more than 1 time per month.
- ⑦ Please throw out once the initially generated alkali ionized water, and drink the alkali ionized water created after that right away.
- ⑧ Daily optimum quantity of alkali ionized water of 500ml ~ 1,000ml is recommended.
- ⑨ The alkali ionized water at the pH level of 9.5 is optimum for improvement of stomach related phenenomen (chronic diarrhea, indigestion, abnormal fermentation within the stomach and excess acid in the stomach, drinking the alkali ionized water at the pH level higher than 10 is not allowed.
- ⑩ Please do not drink the created water after keeping it.
- ⑪ Never use hot water.
- ⑫ Please use the device after reading and confirming precautions indicated on the filter.

(2) For the proper use of the product, please follow the instruction on usage environment and precautions as mentioned below:

- ① Please do not use inadequate tap water according to the standard defined in the Water Supply and Waterworks Installation Act.
- ② Please do not use the product in a place with high temperature, as like a bathroom.
- ③ Avoid using the product in a place with high humidity or temperature.
- ④ Do not use the product in a place prone to be affected by air including atmospheric pressure, wind and much salt, etc.
- ⑤ Please do not use the product in a chemical storage warehouse or in a place where certain gas is generated.
- ⑥ Please use the produce in a place with its floor stabilized and not slopped.



## 1. Method of Installation and Use

### 1) Preparations Required Prior to Use

- ① Check and ensure that the place where the device is to be installed is adequate.
- ② By measuring the water pressure of the tap water, if the pressure measured is higher than 5kg/cm<sup>2</sup>, a pressure reducing valve should be installed.
- ③ Unpacking the package, check and ensure all the associated components and parts are there.
- ④ Close the water meter valve for water supply.
- ⑤ Install the adapter on the water, pipe and then connect the water inlet of the adapter and that of the device with the hose.
- ⑥ Release the water supply valve of the water meter.
- ⑦ Check and confirm that the working power voltage is 220V.
- ⑧ Read the user's manual carefully.
- ⑨ Check and confirm that all the electrical codes have been connected properly and firmly.
- ⑩ Connect the electric code with the electric outlet.
- ⑪ Open the valve of the pipe adapter and fill the cold water and hot water tanks, respectively, with water.
- ⑫ After 20 minutes from the time confirming water discharge, connect the electric code (AC 220V), and then press the power button on the operation part of the front surface.
- ⑬ By pressing the operation button, have the water from the product discharged for about 2~3minutes (Cleansing the interior and removing air from the filter).
- ⑭ When using both cold water and hot water, get the water about 10~20 minutes after pressing the operation button.
- ⑮ Confirm how to check any water leakage / actions required to be taken, and cautions on the use of the product.

### 2) Method of Use and Operation Sequence

- ① When using cold water, collect the water about 10~20 minutes after pressing the operation button.
- ② When using hot water, after pressing the hot water button and setting the temperature (25℃~80℃), wait for 10~20 minutes, and then collect the hot water ( For collecting the hot water, you must press the hot water collection button located on the outlet so that the hot water is discharged).

### 3) How to Store and Maintain the Product After Using

- ① Requires to maintain its grounding condition continuously to protect the product from any electricity leakage or electric shock.
- ② When relocating the product, ensure the power switch is in the OFF position.
- ③ When cleaning the product, make sure that no water gets inside the main body.
- ④ Be careful not to have the water outlet blocked, and the hose bent, twisted or pressed.
- ⑤ When you are not going to use the product for a long time, pull out the plug from the electric outlet.
- ⑥ For cleaning the main body, clean it using a soft cloth with soap and water.
- ⑦ It requires to receive an inspection once a year and get the connection fittings replaced. Otherwise, it may cause water leakage, etc.



제허 12-195 호

## 의료기기 제조 허가증

업허가번호 : 제 579호

구분	제조	품목/품목류	품목
제품명 (상품명, 품목명, 모델명)	(주)에이치케이·알칼리이온수생성기, HK-3500A	분류번호 (등급)	A86010.01(2)
모양 및 구조	별첨		
원재료	별첨		
제조방법	별첨		
사용목적	사용목적 : 별첨, 성능 : 별첨		
사용방법	별첨		
사용 시 주의사항	별첨		
포장단위	별첨		
저장방법 및 사용기한	저장방법 : 별첨, 사용(유효)기한 : 별첨		
시험규격	제 의기심 1003-20120103-0019호		
제조(수입)업자 정보	제조(수입)업자 : (주)에이치케이, 경기도 광주시 초월면 신말리 699-2 가동 1층 제조원 : 상동		
허가조건			
비고			

「의료기기법」 제6조 및 같은 법 시행규칙 제5조제2항에 따라 위와 같이 허가합니다.

2012년 02월 15일

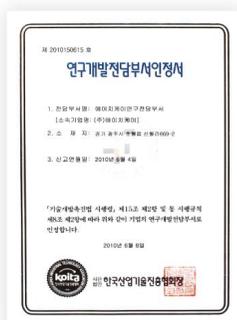
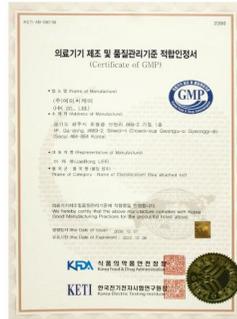
식품의약품안전청장 (인)



KFDA (Korea Food & Drug Administration)

# Alkali Ionized Water Producer, HK-3500A

## Certificate of Permission for Manufacturing Medical Devices



# Alkali Ionized Water Producer, HK-3500A

## Quality Warranty Certificate



### Quality Warranty Certificate

#### Alkali Ionized Water Producer (Model: HK-3500A)

We hereby certify that we warrant the quality of the above mentioned product as follows.

Warranty Period	One (1) year from the date of purchase		
Date of Purchase	Year	Month	Date
Customer	Address:		
	Name:		
	Tel Nr.:		
Selling Agent	Selling Agent:		
	Name of Manager:		(Seal)
	Address:		
	Tel Nr.:		

- This product was released after having careful process of strict quality control testing procedures.
- Any malfunctions occurring during normal use shall be provided free repair service for a period of one (1) year from the date of the purchase of the product, according to the Customer Protection Law.
- For a service inquiry in case of malfunctions, please contact the sales agent you have purchased or Customer Service Center (1577-6778), or through our company website (<http://www.hkmedical.co.kr>).
- However, in case of the following events, no free service but repair service at a cost can be provided, even though any malfunctions occur during the warranty period:
  - Due to improper using method or carelessness of the user.
  - In case of any breakdown caused by improper repair or modification.
  - In case of such malfunction occurred due to dropping or damaging the product.
  - In the event that this Warranty Certificate has been lost.
  - Indications of the date of purchase and the confirmed seal of sales agent office manager do not show on the Quality Warranty Certificate.
  - In case of the production number on the Certificate of Test Completion document has been impaired.
  - Any product failure caused by using parts or components other than those provided by HK Co., Ltd. In addition, HK Co., Ltd. shall not be responsible for any product defect or quality problems caused by managing the product through any maintenance firms other than those designated by HK Co., Ltd.



If you need to have our service due to breakdown of your product while you are using it, please contact us at the contact point below, we promise you to provide our prompt and accurate services to you as necessary.



Factory in Head Office: 669-2, Sinwol-ri, Chweol-up, Gwangju-si, Gyeonggi Province  
Tel : 031-798-1577 / Fax : 031-798-1588  
Main A/S Tel Number : 1577-6778  
Website: <http://www.hkmedical.co.kr>