



## Key Message to All,

NO one knows ever the water's differences over each land. Water is NOT just simply a thing containing two Hydrogens and one Oxygen.

*Water is a physical necessity for human life. Without it you die.*

Nothing replaces water. No device, app of smart technology can substitute for water. Even the biggest names in the IT industry like Apple, Samsung, Google or personalities such as Steve Jobs and Bill Gates didn't quench your thirst for water.

*You can live without a smartphone, but without Water, You will die.*

The IT industry didn't create aKua, Waterlox. They were born from a realization that safe water is essential for human health and wellbeing.

Water is NOT just simply a thing containing two hydrogen atoms bonded to one oxygen atom. It can be so much more. That is what aKua delivers. The future of safe water.

No Matter where you are, No matter what business you linked with,

Water is a Key source to you, KTCC [Key Tech electroChemical Corp.] KTCC has the Key. KTCC wants to share the Key with You.

- \* "Electrolysis" refers to "Water Electrolysis" (WE)
- \* "Electrolysis ionized Water" (WI) is made for [drinking purpose](#) without adding any chemical additives.
- \* "Electrochemically Activated Water" (ECA) refers to "ElectroChemically Activated Water" (ECA) which is electrochemically water created through an electrochemical reaction process [with additives](#).
- \* The Electrolysis Water Generating Equipment consists of devices used for generating electrolysis ionized water and [electroChemically](#) activated water.
- \* Electrolysis water refers to all types of water generated through electrolysis processes including electrolysis ionized water and electrolysis activated water.
- \* KTCC refers to **Key Tech electroChemical Corp.**

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Here you can find links to useful sites but remember that KTCC is not responsible for the content of external sites.

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<b>Who</b>	<b>Information about “WHO we are”</b> <ul style="list-style-type: none"> <li>➤ Company Background.</li> <li>➤ Our Visionary Goal &amp;</li> <li>➤ Our mission</li> </ul>	<a href="http://www.medicleanatoz.com/who">www.medicleanatoz.com/who</a>
<b>World First</b>	<b>Information about what we have been doing</b> <p>The first things we made will unleash something tremendous</p>	<a href="http://www.medicleanatoz.com/world-first">www.medicleanatoz.com/world-first</a>
<b>Wi &amp; WeCA</b>	<b>Water Ionization &amp; ElectroChemical Activation</b> <ul style="list-style-type: none"> <li>➤ About the electrolysis and its History</li> <li>➤ Water Ionization</li> <li>➤ ElectroChemically Activation</li> <li>➤ Membrane &amp; Membrane-Free</li> <li>➤ Anolyte &amp; Catholyte &amp; Waterlox</li> <li>➤ Hypochlorous Acid [ HOCL ]</li> <li>➤ Sodium Hypochlorite [ NaOCL ]</li> <li>➤ Potassium Hydroxide [KOH ] vs [NaOH]</li> <li>➤ Hyaluronic Acid</li> </ul>	<a href="http://www.medicleanatoz.com/wi-weca">www.medicleanatoz.com/wi-weca</a> <a href="http://www.medicleanatoz.com/water-ionization/">www.medicleanatoz.com/water-ionization/</a> <a href="http://www.medicleanatoz.com/electrochemical-activation">www.medicleanatoz.com/electrochemical-activation</a>
<b>WP &amp; S</b>	<b>Products &amp; Services</b> <ul style="list-style-type: none"> <li>➤ <b>aKua</b></li> <li>➤ <b>aKua blue</b></li> <li>➤ Waterlox</li> <li>➤ eKlean</li> <li>➤ Waterlox 5010 (eKlean 5010)</li> <li>➤ Waterlox Commercial 5</li> <li>➤ eKlean Commercial</li> <li>➤ Katalyte</li> <li>➤ Waterlox DUO</li> <li>➤ Waterlox THRU</li> <li>➤ Waterlox ICE</li> <li>➤ Medilox</li> <li>➤ Other Auxiliary Water Technologies <ul style="list-style-type: none"> <li>● Water Standardization Technology – <ul style="list-style-type: none"> <li>■ Softener-like Water Treatment Device.</li> </ul> </li> <li>● Swimming Pool Water Treatment</li> <li>● Cooling Tower Water Treatment</li> <li>● BWT – Ballast Water Treatment</li> </ul> </li> </ul> <p>And More comes.</p>	<a href="http://www.medicleanatoz.com/wps">www.medicleanatoz.com/wps</a> <a href="http://www.medicleanatoz.com/wps/akua">www.medicleanatoz.com/wps/akua</a> <a href="http://www.medicleanatoz.com/wps/waterlox-eklean">www.medicleanatoz.com/wps/waterlox-eklean</a> <a href="http://www.medicleanatoz.com/wps/katalyte-others">www.medicleanatoz.com/wps/katalyte-others</a>
<b>Where to Use</b>	<b>Information where to use</b> <ul style="list-style-type: none"> <li>➤ Agriculture</li> <li>➤ Poultry</li> <li>➤ Grocery &amp; Produce</li> <li>➤ Food &amp; Catering</li> <li>➤ Horticulture</li> <li>➤ Hospitality</li> <li>➤ Hygiene</li> <li>➤ Medical &amp; Pharmaceutical</li> <li>➤ Veterinarian &amp; Pet</li> <li>➤ Water Treatment</li> <li>➤ Mining</li> </ul> <p>And More comes.</p>	<a href="http://www.medicleanatoz.com/where-to-use">www.medicleanatoz.com/where-to-use</a>
<b>WWW</b>	<b>Widen Waterlox World</b> <ul style="list-style-type: none"> <li>➤ Green Chemical Business</li> <li>➤ What is 3W ? <ul style="list-style-type: none"> <li>● Distribute with us</li> <li>● Franchise with us</li> <li>● Partner with us</li> </ul> </li> </ul>	<a href="http://www.medicleanatoz.com/3w">www.medicleanatoz.com/3w</a>
<b>M.F.A.Q</b>	<b>What can I do for You ?</b> <p>Questions &amp; Answers</p>	<a href="http://www.medicleanatoz.com/faq/">www.medicleanatoz.com/faq/</a>
<b>eCA eCo Shop</b>	<b>You can enjoy getting such a great thing</b>	<a href="http://www.medicleanatoz.com">www.medicleanatoz.com</a>

An **aKua** water ionizer is a small home appliance that separates tap water into **two separate streams** [Conventional Water Ionization, with Membrane Mechanism] - one aKaline and one acidic - through a process of electrolysis. An ionizer is connected to a home's water supply either through a diverter valve installed on the kitchen faucet or directly through a T-adapter connected to the cold water line under the sink.



It comes from **aQua** + **aKaline** Ionized Water.

# aKua®

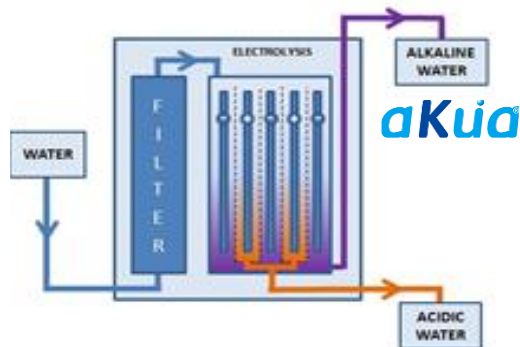
- ✧ **aKaline ionized water - aKua** - is used for drinking and cooking, and provides users with several important health benefits:
- ✧ **aKua - ALKALIZING:** restores pH balance by reducing acidity levels in the body
- ✧ **Anti-OXIDANT:** helps to neutralize free radicals that can cause cellular and DNA damage
- ✧ **Super-HYDRATING:** smaller water cluster size allows water to penetrate cells more easily



- ✧ **MINERAL RICH:** contains higher concentrations of aKaline minerals such as calcium, magnesium, and potassium which are vital to human health
- ✧ **OXYGEN RICH:** increases the amount of dissolved oxygen in the blood
- ✧ **DETOXIFYING:** eliminates mucus build-up on colon walls, thus improving the body's ability to absorb important nutrients
- ✧ **CLEANSING:** contributes to flushing out acidic waste and toxins that have accumulated in the body over time
- ✧ **ENERGIZING:** negatively charged hydroxyl ions contribute to increased energy, mental clarity, and overall alertness
- ✧ **WEIGHT CONTROL:** reduces the body's need for fatty tissues which protect vital organs from acidity by storing acidic waste in less critical parts of the body
- ✧ **CLEAN WATER:** 10 Steps-filtration cartridge inside the ionizer removes chlorine and other common pollutants present in tap water
- ✧ **REMOVES PESTICIDES:** strong aKaline water with higher pH helps to remove pesticides from fresh fruits and vegetables
- ✧ **aKaline ionized water** is used for drinking and cooking, and provides users with several important health benefits:

# How **aKua** Water Ionizer works

## STEP 1: FILTRATION



Water enters the ionizer through an inlet port the unit and is first filtered to remove common pollutants, particulate matter, chlorine, odor and organic matter present in tap water.



10-Stage-Filter

## STEP 2: ELECTROLYSIS ★ Water Ionization ★

The water then flows through an electrolysis chamber which contains positively and negatively charged platinum-covered titanium electrodes. These electrodes ionize the soluble minerals in the water: positively charged ions gather at the cathode (negative electrode) to create alkaline water, also referred to as "reduced water" while negatively charged ions gather at the anode (positive electrode) to make acid water, also known as "oxidized water".

- ALKALINE WATER, which comes out of the top spout on the ionizer, is the fraction that we drink and cook with. It contains a high concentration of positively charged minerals that are beneficial for our health, such as calcium, potassium, and magnesium.
- ACIDIC WATER, which is dispensed through the bottom hose or spout, is used externally for cleaning and disinfecting the skin and household surfaces. It is discharged into the sink when it is not needed or saved for later use.

## How does ionization affect the molecular structure of water?

Water that enters the electrolytic cell is subjected to a small electric current which passes between the plates, causing the water molecules  $[H_2O]$  to split into two ions: a negatively charged hydroxyl ion  $[OH^-]$  and a positively charged hydrogen ion  $[H^+]$ .

At the exit of the electrolytic cell, the water is separated into two streams:

- The alkaline water stream contains a larger proportion of hydroxyl ions  $[OH^-]$  which act as a powerful antioxidant, or reducing agent, because these ions have spare electrons that can easily be donated to our cells. Antioxidants neutralizes the oxidative damage caused by electron scavenging free radicals in our body.
- The acidic water stream contains a larger proportion of hydrogen ions  $[H^+]$  which, contrary to hydroxyl ions, act as a oxidant or good for skin cleaning,

### **Do not be fooled !**

It is said frequently that strong acid water (pH. 2.7) produced with a water ionizer can kill viruses or bacteria. It is correct theoretically but incorrect and seriously flawed in practice and reality.



# aKua®



**aKua®** is the Water Ionizer. *It comes from aQua + aKAline Ionized Water.*

Product Name as Generally Known	Water Ionizer	
Brand Name	aKua	PB accepted
Application & Usages	Healthy Ionized Water for Drinking	
Design No.	EL400,	EL700
Membrane or Free	Membrane	
Size	36cm * 29cm * 14cm	6.5Kgs
Power Specification	100 V ~ 240 V, 50/60Hz, 150W,	
Features	10 Steps Three-in-one Filter	
	Water Quality Detection	
	Automatic Descale Function	
Auxiliary Device	None	
<b>Solution generated</b>	<b>ALKALINE Ionized Water</b>	
Additive	None	

The design and specification are subject to be changed

**Our body consists of more than 70% water and needs**

- ✓ **Anti-Oxidant,**
- ✓ **Healthier water, AlKAline**
- ✓ **Mineral Rich Water,**
- ✓ **Healthy Safe Water, a Healthier Life,**
- ✓ **Diabetes,**
- ✓ **Stomach Disease.**

**The answer is aKAline Ionized Water, aKua®.**

- ✓ **Smaller Water Cluster** – therefore faster absorption and easier elimination of body waste.
- ✓ **Hydrogen Rich** – AlKAline Ionized Water helps to get rid of the active oxygen that is the origin of aging and disease.
- ✓ **Mineral rich** – AlKAline Ionized Water contains suitable essential minerals
- ✓ **The body is at its healthiest condition when it is in AlKAline state** - AlKAline Ionized Water helps to neutralize acid and keep the Body pH balanced.
- ✓ **AlKAline Ionized Water is hexagonally structured** – Therefore highly effective in maintaining optimal cell function.

**aKua®** Ionizer enhances your body healthier.

**AlKAline Water Ionizer for Home, AKUA Ionizer for Healthier Water Drinking.**

# Hydrogen ionized Water **aKua<sup>®</sup>blue**



**aKua<sup>®</sup> blue** is a Handy Water Ionizer.

Product Name as Generally Known	Hydrogen Water Ionizer	
Brand Name	<b>aKua Blue</b>	PB accepted
Application & Usages	<b>Healthy Hydrogen Ionized Water for Drinking</b>	
Design No.	aKua Blue 300	
Membrane or Membrane-Free	Membrane	
Size	25cm * 7cm Ø	0.9 Kgs
Power Specification	Li-Ion Battery, 100 V ~ 240 V, 50/60Hz, 30 W,	
<b>Best Features</b>	Hand-Carriable, Stand alone, Battery-Power	
Auxiliary Device	None	
<b>Solution generated</b>	<b>Hydrogen Alkaline Ionized Water</b>	
Additive	None	

The design and specification are subject to be changed

**Our body consists of more than 70% water and needs**

- ✓ **Anti-Oxidant,**
- ✓ **aKAlkaline Hydrogen Rich Water**
- ✓ **Mineral Rich Water,**
- ✓ **Healthy Safe Water, a Healthier Life,**
- ✓ **Diabetes,**
- ✓ **Stomach Disease.**

**The answer is aKAlkaline Ionized Water, aKua<sup>®</sup>.**

- ✓ **Smaller Water Cluster** – therefore faster absorption and easier elimination of body waste.
- ✓ **Handy Carriable** - Handy-Carriable Small Device in your bag
- ✓ **ON-Demand, On-Place** - Whenever, Wherever You are.
- ✓ **Hydrogen Rich** – AlKAlkaline Ionized Water helps to get rid of the active oxygen that is the origin of aging and disease.
- ✓ **Mineral rich** – AlKAlkaline Ionized Water contains suitable essential minerals
- ✓ **The body is at its healthiest condition when it is in AlKAlkaline state** - AlKAlkaline Ionized Water helps to neutralize acid and keep the Body pH balanced.
- ✓ **AlKAlkaline Ionized Water is hexagonally structured** – Therefore highly effective in maintaining optimal cell function.

**aKua<sup>®</sup> Ionizer makes your body healthier.**



**Note: pH stands for Potential of Hydrogen.**

### **Don't be fooled**

**Water Purifier** vs **Water Ionizer** vs **RO Water** - It's different:

**A Water purifier** only has the water purification function to generate clean water from tap water through an internal filter. **Water ionizer** i.e. aKua, ionizer generates healthy alkaline water a process called electrolysis (Ionization). The aKua Ionized water is mineral enriched, very healthy for your body.

Be sure if the water is simply purified or demineralized. That is R.O (**R**everse **O**smosis) Water, which is demineralized likely distilled water.

*"Be reminded that Your body desperately needs minerals"*

### **Don't be fooled**

Hydrogen water, which was started from Japan, has been rapidly expanding its market recently. Its popularity is also increasing rapidly among normal customers as well as existing alkali ionizer users in Korea. However, it is necessary to verify whether it is real hydrogen water.

### **Questions not to be fooled**

Check if the hydrogen water generator is a membrane or membrane-free structure!

- ✓ Is hydrogen generated in the negative electrode (cathode) or the positive electrode (anode) of the electrolytic ionizer with membrane?
- ✓ Is hydrogen generated in the negative electrode (cathode) or the positive electrode (anode) of the membrane-free electrolytic ionizer?
- ✓ As shown in the periodic table of elements [ [https://en.wikipedia.org/wiki/Periodic\\_table](https://en.wikipedia.org/wiki/Periodic_table) ] hydrogen is an element with smallest molecular structure.
- ✓ Is hydrogen an element that can be easily collected (stored)?

### ***What Benefits & advantages You can get from KTCC ?***

***As presented earlier, KTCC is the only company in the world that possesses practical and empirical BIG data of each region through water and electrolysis water generating equipment business for a long period of time. Our experiences in the business said that organizations using water for business are exposed to a number of variables due to regionally different properties of water. The risk of trial and error will eventually result in the waste of time and money.***

***Partnership with KTCC will reduce the occurrence of such risks.***