



# AMRUT JAL





**Microcomputer automatic control of electrolysis suitable for all kinds of water**

**Modern simple appearance catering to modern household appliances aesthetic habits**

<b>Product name</b>	Household water ionizer	<b>Flow rate</b>	1~4L/min
<b>Standby power</b>	3.5W	<b>Total electrolytic volume</b>	12000L
<b>Pressure of water inflow</b>	0.1~0.3MPa	<b>Electrode plates</b>	5/7 plates
<b>Net weight</b>	≈2.5kg	<b>PH range</b>	4.0~10.5
<b>Operation time</b>	60 minutes	<b>ORP</b>	+500mV~-800mV
<b>Size</b>	330*245*130(mm)	<b>Material</b>	High quality titanium electrode plate with platinum coating

## Picutre



## Description

**Electrolytic plates :** 11 plates

**Rated voltage :** AC 110V-240V 50. & 60HZ

**Rated power :** 2 ~ 210W

**G.W.:** 5.5 KG

**Packing Size :** 43X41X23cm

**Permit Water Temperature :** 5 ~ 40° C

**Electrode material :** Platinum titanium coating

**Continuous Electrolysis Time :** 30Min

**PH value :** 2.8-11

**O.R.P value :** -800MV

**LCD Display :** Water flow rate,  
Working Status, Filter service life,  
Water temperature PH, ORP

# Water Channels

....are the plumbing system for cells,  
“said Dr. PETER AGRE a Nobel prize winner 2003.

Every cell is primarily water. “But the water doesn't just sit in the cell, it moves through it in a very organized way. The process occurs rapidly in tissues that have these aquaporins or water channels.”

Required water in Body

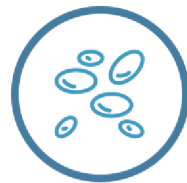
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Brain  
83%



Lungs  
85%



Cells  
94%



Heart  
75%



Eyes  
95%



Kidney  
83%



Bones  
75%



Carbohydrate Chain

Offers the best Transportation System for your body,  
i.e. Greater Delivery of Oxygen & Nutrients

Outstanding Detoxification

Superb Hydration

# Water content in body & without food how body work

More than 72% water in your body

So can YOU BENEFITS FROM ALL this



When water is absence in your body then

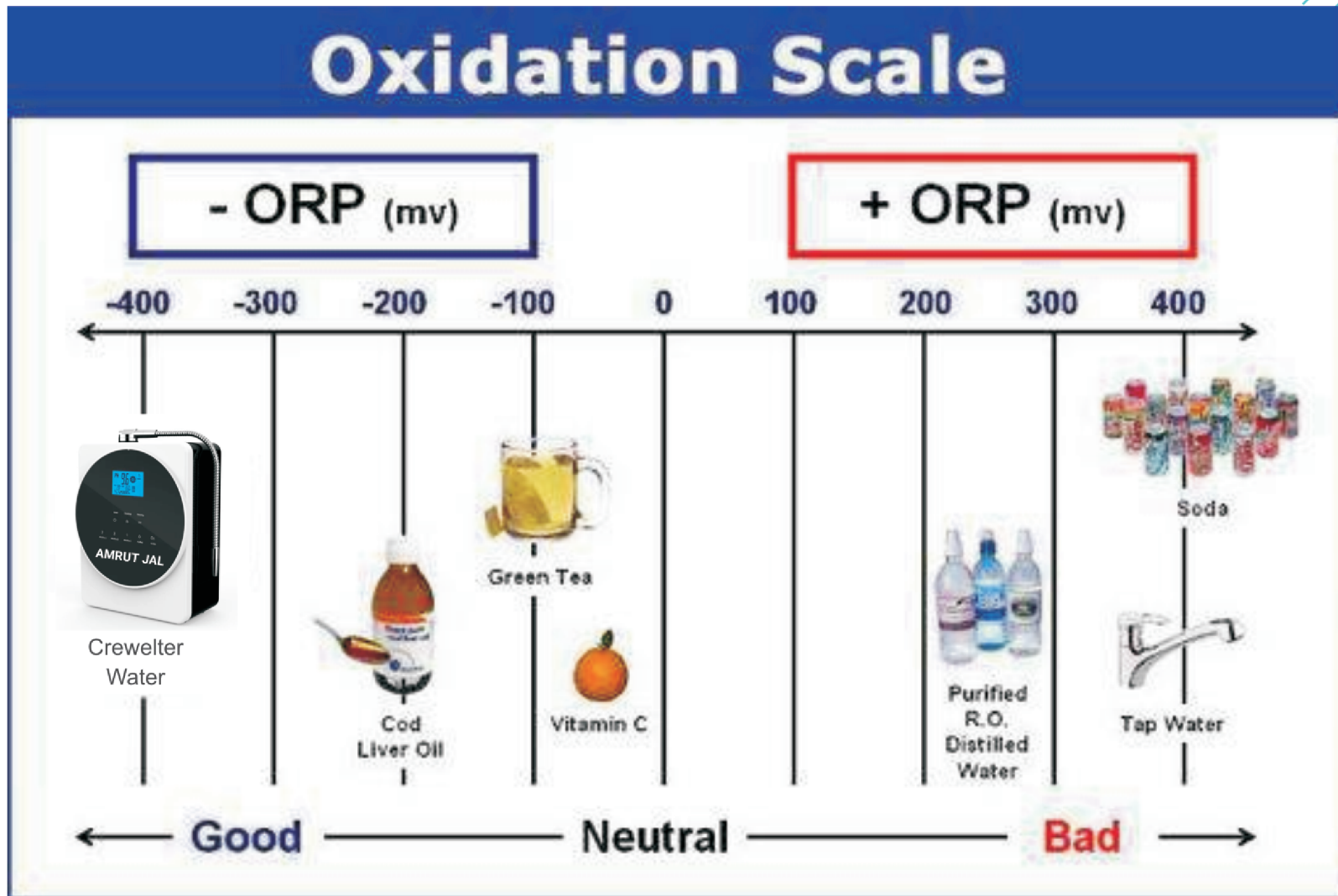
# Come I will introduce about **AMRUT JAL WATER**



- Micro Clustering
- Anti-Oxydation
- Alkalinization

Best Water for You & Your family

# Anti-Oxydation



# Health benefits of **Amrut Jal** ionized alkaline water

It will be clinical researched by JAPAN, KOREA & USA Laboratories. This water is helping to cure Body Problems.

- Eczema
- Obesity
- Gout & Arthritis
- High Cholesterol
- Chronic Diarrhea
- Chronic Fatigue & Low Energy
- Skin allergy
- Diabetes
- Knees Pain
- Weak Bones
- High Blood Pressure
- High Cholesterol
- Acidity
- Loose Motion
- Vomiting
- Weight Loss
- Headache
- Heart Attack
- Cancer
- Body Smell
- Kidney Stone
- Cold Cough



## WHY OUR BODY NEEDS ANTI OXIDANT ALKALINE WATER?

Human being born with blood pH 7.35 - 7.46 (Healthy Blood) As we grow up, we drink, we breathe and eat too much acidic food, beverages, pollution and even acidic water, no mineral water.

This acidic wastes neutralize and clean our body after drinking Anti Oxidant Water regularly. So now a days we need more alkaline mineral water against acidic foods, Acid, air pollution and stream.

This information is very important for you and your life. We are surrounded by water from all sides but we can't drink all water. It is very essential to know your drinking water. Our body contains 80 to 90% of blood. The water which we drink dissolves in our blood and runs through out whole body.

In today's world everyone has become health conscious. Each and every house must be having a water purifier to get good drinking water.



This is why alkaline Water is more easily absorbed by the body than untreated tap and purified water. Alkaline Water quickly permeates the body and blocks the oxidation of biological molecules by donating its abundant electrons to active oxygen, enabling biological molecules to replace themselves naturally without damage caused by oxidation which can cause diseases.

So this was the information about good quality drinking water, even then we are drinking acidic water whereas we should drink only.

PH in human blood should be between 7.35-7.74 and if pH falls below 7.35 pH we are immune to acidosis which is the main cause for all diseases.

What ever we drink mixes with the blood and acquires the pH level of water. Thus when PH of water is more than 7.74 pH i.e. 8.5 pH to 9.5 pH we are drinking Anti Oxidant Alkaline water.



Normal Blood pH  
7.35 - 7.45



## BENEFITS OF ANTI OXIDANT ALKALINE WATER



According to Dr. Otta Warberg who is noble prize winner for discovering cause of cancer,

"No disease can exist in an alkaline environment"

Thus this water is also called Miracle water, medical water, magic water and Slimming water.

Today many people have started drinking green tea as an Anti Oxidant tea.

pH 7.5 to 8.5 (Best for regular drinking )

pH 8.5 to 10 (As per individual need for drinking.)

### The Benefits of Alkaline water

why should we drink Alkaline ionizer water?

Drinking alkaline ionized water every day the most effective than green juice. Especially, pure ionized water is alkaline ionized mineral water. It has a pH level of over 7.0 It is very beneficial because it is easily absorbed in the body and enhances body metabolic rate and better body resistance. Water ionized separates various minerals in water into positive ion (alkaline) that is good for health and negative ion (acid) that is good for skin care. Specially, it is maintaining various health function.

### Some of the benefits of Alkaline Water

- Improves hydration.
- Powerful source of antioxidants.
- It is highly oxygenated
- Help to balance alkalinity of body
- Helps promote detoxification.
- Helps to absorb nutrients more efficiently.
- Ionized water makes fantastic tea and coffee - it also boils faster.
- Food cooked with ionized water taste better and retain more nutrients.



#### Cooking Rice

Before getting rice cook: Wash RICE with ACIDIC water and soak it in ALKALINE water for 10-15 min. When the rice is completely cooked it becomes ionized rice. Which has a good polish just as cooked glutinous rice & maintaining its freshness for a long period of storage.



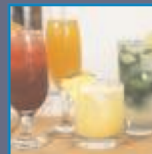
#### Coffee & Tea

Remove bitterness of coffee and giving fragrance to both coffee & tea. Make excellent taste.



#### Hangover

Alkaline water is good for hangovers, when taking it before going to sleep or when the stomach is empty in the morning.



#### Cocktail

An ice cocktail in alkaline water makes your drink fast softener & smoother.



#### cooking with Alkaline water

Eliminate fishy smell fish & non-vegetarian foods.

### Swelling Power

It has a power to soften substances.

### Thermal

It doesn't take a long time to boil.

### Dissolving

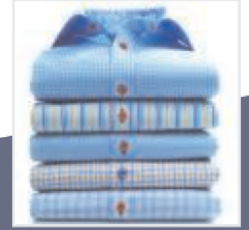
It dissolves and draws out substances.

Over pH 10.5 (Not Suitable for drinking)

**What is Strong IonGen Water?**

Strong IonGen Water is a type of electrolyzed water with an electron potential produced by the cathode. In general, the pH is over 11.0 and the ORP is -700mV.

**Strong longer water packs an effective cleaning effect as a detergent preserving hygiene in your daily life.**



To clean cutting boards, knives, and dishes.

To remove slime and stains on the floor.

To remove stains from coffee, soy sauces.

To use for washing clothes. (reduces the need for laundry detergent)

To remove the harsh taste of wild vegetables.

To sterilize vegetables & meat.

To Remove toilet stains.



Soak fresh meat & astringent vegetables in strong alkaline for 20-30 min.  
To Remove the smell of fat.

Wash vegetables & fruits with strong alkaline water for a long storage period.

**Cleaning Power**

It has a strong effect to dissolve and clean materials.

**Dissolving Power**

It has a strong power to dissolves and draws out substances.

**Super Swelling Power**

It softens materials quickly.

**Thermal Conduction**

It doesn't take a long time to boil.

# ACIDIC WATER

## Sanitary Water

Below pH 3.0 (Not Suitable for drinking)

## What is Strong Acidic water?

Strong Acidic Water is a type of electrolyzed water produced by the anodes.

**Excellent cleaning and disinfecting power** Strong acidic water has excellent disinfecting power that helps preventing food poisoning. Use it to clean & Sterilize your fruits, vegetables, meat and cookware.

- To sanitize knives, cutting board and dish towels
- To disinfect your hand.
- To disinfect your toothbrushes
- To clean your skin
- To remove tea and coffee stains
- To eliminate odors



# BEAUTY WATER

pH 4.0 to 6.0 (Not Suitable for drinking)

**Acidic water is especially effective in toning the skin.**

It helps to refresh the skin after a hot bath or shower and also works to close the pores after washing your face.

**For boiling pasta and making batters for frying.**

Noodles and pasta will take on a brilliant shine and improved texture as a result of boiling in acidic water. Acidic water will also enhance the crispy texture of fried foods.

**As a cleaner.**

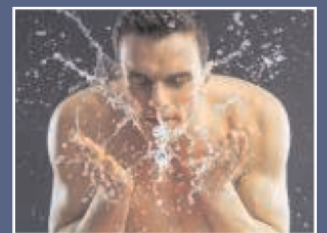
Acidic water is effective in cleaning stains on dishes, cups, glasses, even bathroom tiles.

**Cleaning Power**

It has the power to purify substances.

**Astringency**

It has the power to tighten substances.



## Uses of Different Levels of pH Water



### 9.6 - 11.0

- Removes astringent taste for preparing vegetables :  
When you soak vegetables such as spinach using alkaline ionized water, the astringent component - Oxalic acid is leached out so there's less of harsh taste
- Removes wax from fruits and vegetables
- Cleans and removes foul smell from non-vegetarian food
- Removes free radicals from the body
- Boosts immunity
- Removes tough stains on dishes

### 8.6 - 9.5

- Helps with the problem of Gastrointestinal : The effect of alkaline water to improve gastrointestinal problem is approved under Japan pharmaceuticals and medical device Act (PMD Act) regulation
- Softens food (like for cooking meat and rice)
- Brings out the flavor of food : For making tea and stock with strong extracting power, alkaline ionized water draws out the savory umami taste and other flavors from food items.
- Enhances the growth of plants



### 8.0 - 8.5

- Good for initial or daily drinking
- Improves digestion
- Alleviates feeling of heaviness or discomfort in stomach
- Good for making beverages (like tea, coffee)
- hydrates the body quickly after exercise
- Balance internal pH, improve the assimilation of calcium & other minerals



## Uses of Different Levels of pH Water

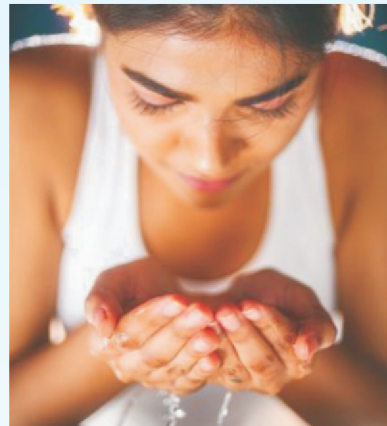


7.0

- Suitable for taking medicine
- For preparation of baby food
- Mostly for general baby care

4.0 - 6.0

- It is close to the skin pH value so it gives an astringent effect while cleaning face
- Ideal for bathing and washing face
- For floral management
- Minimizes the appearance of pores on face and good for brushing teeth



3.0 - 3.9

- Acts as anti-bacterial for tableware and floor cleaning
- Works as a disinfectant and can be used for cleaning items coming from outside
- Kills bacteria and viruses from fruits, vegetables
- Cleaning floor and mirrors
- For healing certain problems like eczema



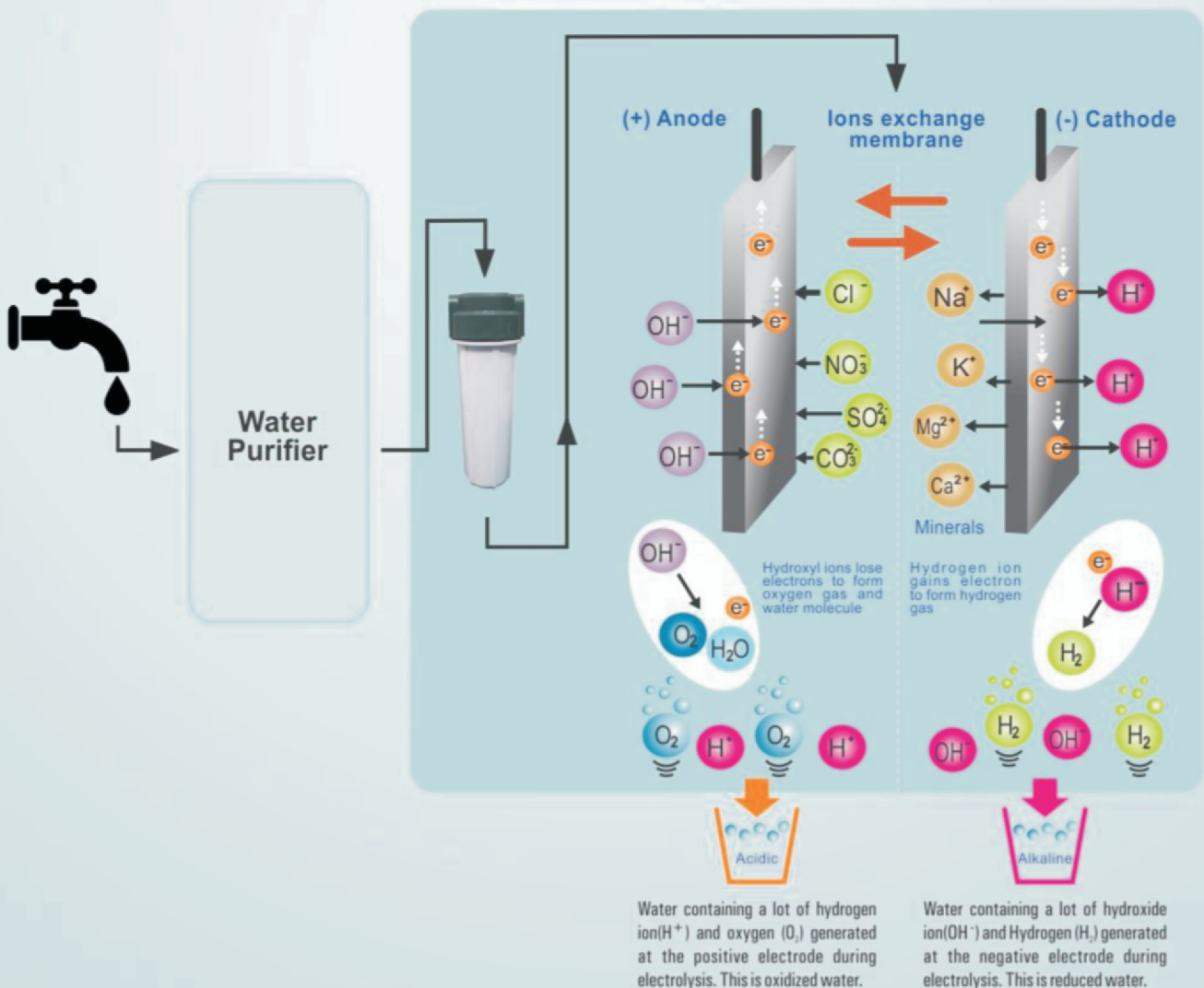
# Alkaline Ionized Water

## How is Alkaline Ionized Water Generated?

Alkaline ionized water is smooth, energizing water which has great taste and possesses excellent absorption and hydrating abilities to aid in buffering the negative effects of hyper acidity in your body. Alkaline water also contains alkaline minerals and negative oxidation reduction potential (ORP). The more negative the ORP value, the more anti-oxidizing it is. Alkaline hydrogen rich water boosts our IMMUNITY.

An Alkaline Ionizer can generate alkaline ionized water as well as acidic ionized water at the same time. The process starts with the water purifier which removes residual chlorine and impurities and makes Purified water. Then the purified water is electrolyzed with the help of Platinum coated Titanium plates in order to create Alkaline Ionized Water, here water is decomposed into hydrogen ion ( $H^+$ ) and hydroxide ion ( $OH^-$ )

### Amrut Jal's Alkaline Water Ionizer





# Alkaline Ionized Water has Reduction Power

The Alkaline ionized water generated by AMRUT JAL's Alkaline Ionizer is a type of water that contains a huge amount of hydrogen. Hydrogen has a powerful reduction effect. As a result, alkaline ionized water containing hydrogen has a more powerful reduction effect than other kinds of water.

No rust was found on the nail which was immersed in the Alkaline ionized water containing hydrogen whereas on the other hand, rust was found on the nail which was immersed in Tap water because nail is oxidised. This experiment proves that AMRUT JAL's alkaline water is an anti-oxidant which prevents the metal from oxidizing.

## COMPARISON TEST

1. Tap water and Alkaline Ionized water having pH of 9 were poured in the flasks.
2. An iron nail was then placed in each flask which was then sealed.
3. The flasks were examined after 2 weeks.

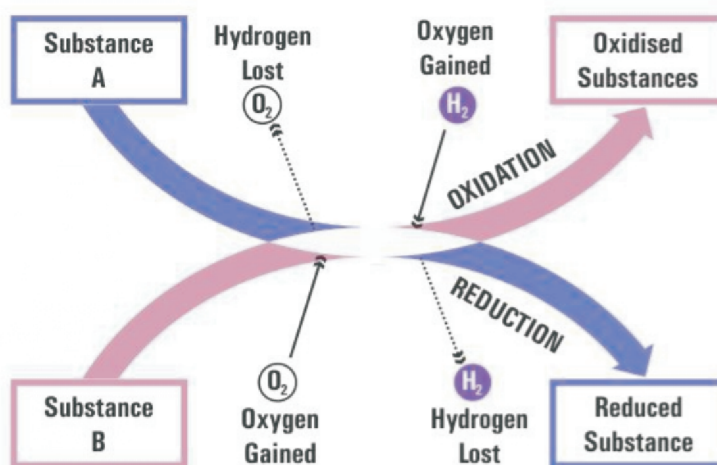


## OXIDATION

It is the gain of Oxygen and loss of Hydrogen by a substance.

## REDUCTION

It is the loss of Oxygen and gain of Hydrogen by a substance.



## Apple Oxidation Test

This half cut surface of an apple is white and juicy but the other half soon changes its colour. This colour is the result of the apple reacting with oxygen in the air and becoming oxidised\*

## ORP

### Oxidation Reduction Potential

Oxidation and Reduction power can be represented as an Oxidation Reduction Potential (ORP) value. It can be said that alkaline ionized water containing hydrogen has a stronger reduction effect than typical tap water and purified water. Our ionizer provides negative ORP ranging from 700 to 600. ORP is the ability of water to act as a pro- or antioxidant. The more negative the ORP value, the more anti-oxidizing it is.



*"No diseases,  
including cancer,  
can exist in an  
alkaline environment"*

**Dr. Otto Warburg,**  
1931 Nobel Prize winner  
for cancer discovery

*Biochemist Otto Heinrich Warburg, one of the twentieth century's leading cell biologists, discovered that the root cause of cancer is too much acidity in the body, meaning that the pH, potential hydrogen, in the body is below the normal level of 7.365, which constitutes an acidic state. Warburg investigated the metabolism of tumors and the respiration of cells and discovered that cancer cells maintain and thrive in a lower pH, as low as 6.0, due to lactic acid production and elevated CO<sub>2</sub>. He firmly believed that there was a direct relationship between pH and oxygen. Higher pH, which is Alkaline, means higher concentration of oxygen molecules, while lower pH, which is acidic, means lower concentrations of oxygen...the same oxygen that is needed to maintain healthy cells.*

*In 1931 he was awarded the Nobel Prize in Medicine for this important discovery. Dr. Warburg was director of the Kaiser Wilhelm Institute (now Max Planck Institute) for cell physiology at Berlin. He investigated the metabolism of tumors and the respiration of cells, particularly cancer cells. Below are some direct quotes by Dr. Warburg during medical lectures where he was the keynote speaker:*

***"Cancerous tissues are acidic, whereas healthy tissues are alkaline. Water splits into H<sup>+</sup> and OH<sup>-</sup> ions if there is an excess of H<sup>+</sup> it is acidic if there is an excess of OH<sup>-</sup> ions. then it is alkaline."***

*In his work The Metabolism of Tumours Warburg demonstrated that all forms of cancer are characterized by two basic conditions: acidosis and hypoxia (lack of oxygen). Lack of oxygen and acidosis are two sides of the same coin: where you have one, you have the other"*

*All normal cells have an absolute requirement for oxygen, but cancer cells can live without oxygen - a rule without exception."*

*Deprive a cell 35% of its oxygen for 48 hours and it may become cancerous."*

*Dr. Warburg has made it clear that the root cause of cancer is oxygen deficiency, which creates an acidic state in the human body. Dr. Warburg also discovered that cancer cells are anaerobic (do not breathe oxygen) and cannot survive in the presence of high levels of oxygen, as found in an alkaline state.*

# Health Benefits of Alkaline Ionized Water (Case Studies)

## Diabetes

**The first clinical test conducted in Korea shows that water can control diseases!**

3 December 2003: The Natural Medicine Research Institute of Hansuh University had invited 15 patients suffering from diabetes and started a clinical test for them. The scientists divided the patients into two different groups: they stopped insulin treatment completely for the first group of the patients, and they had them drink the Ionized Water (ARW) instead, and the other group of diabetics had been allowed to continue their hospital treatment as well with receiving insulin as usual. The blood glucose levels have been lowered on the whole, and the blood glucose levels, which had shown wide variations daily before were being stabilized. But the blood glucose levels for those who had not taken the Ionized Water [ARW] but continued receiving insulin everyday under the hospitalized state continued to show wide variations with their blood glucose level. 7 January 2004: Comparison of blood glucose levels before and after experiment conducted. 5 liters ARW/day administered for the 2nd group of patients.

A significant decrease of blood glucose levels for all patients on AKW. Some examples are:

1. Patient Lee, 14 years old, blood glucose level: 250 After drinking the Reduced Water for 36 days: blood glucose level: 204
2. Patient Hwang, 17 years old, blood glucose level: 254 After drinking the Reduced Water for 36 days: blood glucose level: 144
3. Patient Lea, 9 years old, blood glucose level: 324 After drinking the Reduced Water for 36 days: blood glucose level: 210
4. Patient Lee3: 20 years old, blood glucose level: 400 After drinking the Reduced Water for 36 days: blood glucose level: 168

The experiments indicated that the effectiveness of Ionized Water (ARW) was better than insulin.

**Prof. Kuwata Kejiroo, Doctor of Medicine, Japan**

## Constipation

**Dr. Testsuji Hokudou, Director of Gastroenterology, National Ohkura Hospital**

Alkaline ionized water and clean water was given to 163 volunteers who suffered from abdominal discomfort at the amount of 500ml per day for four weeks. Overall rate of improvement was significantly higher for those who were given alkaline ionized water. As a result of comparative double blind clinical tests, alkaline ionized water was proved to be effective against constipation, and most importantly " safety was verified. It is considered a departure for using medication where side effects are unavoidable to a certain extent. The effectiveness of alkaline ionized water is very high at 80.5%.

## High Cholesterol

**Prof. Kuninaka Hironage, Head of Kuninaka Hospital**

"Too many fats in the diets, which lead to the deposition of cholesterol on the blood vessels, which in turn constrict the blood flow, cause most illnesses such as high blood pressure. In accordance with the theory of Professor Gato of Kyushu University on Vitamin K (because vitamin K enables the blood calcium to increase) the consumption of more antioxidant water, the effectiveness of the increase in the calcium in high blood pressure is most significant. The consumption of alkaline antioxidant water for a period of 2 to 3 months, I have observed the blood pressure slowly drop, due to the water's solvent ability, which dissolves the cholesterol in the blood vessels." "For over 10 years of my experience, my concept toward minerals, especially pertaining to ionic calcium in high blood pressure and other diseases is most significant. In accordance to the theory of medical Professor Gato of Kyushu University on Vitamin K (because vitamin K enables the blood calcium to increase), or the consumption of more ionized water, the effectiveness of the increase in the calcium in high blood pressure is most significant. Too many fats in the diets, which lead to the deposition of cholesterol on the blood vessels, which in turn constrict the blood flow, cause most illnesses such as high blood pressure. By drinking ionized water for a period of 2 to 3 months, the blood pressure should slowly drop, because the ionized water is a good solvent, which dissolves the cholesterol in the blood vessels."

## Disclaimer

- All information contained in this leaflet is correct at the time of printing, and is subject to change without prior notice.
- Images are for illustration purposes only.
- Due to printing considerations, the actual color may vary slightly from those shown.
- AMRUT JAL reserves the right to revise any content in this leaflet as it deems fit without prior notice.

## Osteoporosis

Kyoto University Graduate School of Medicine, Dept of Pathology Tumor Biology Course,

**Associate Professor Rei Takahashi** Kyoto University School of Medicine, Professor Emeritus & Fukui Prefectural University Dept of Nursing and Welfare, Dean Yoshinori Itokawa

**Alkaline Ionized water helps promote osteogenesis**

Metabolic disorder of calcium is considered to be one of the causes of osteoporosis that has an increasing number of cases these days. Therefore we conducted a series of tests by feeding rats with different amounts of calcium and gave them tap water, calcium lactate solution and alkaline ionized water at leisure. According to examination of their bone and blood composition, osteogenesis rate was found in the ascending order of tap water, calcium lactate solution, and alkaline ionized water. Especially under the condition of low calcium levels in the feed, alkaline ionized water was considered to great effects on improved osteogenesis.

## Gastric

**Prof. Kogure Keizou, Kogure Clinic of Juntendo Hospital, Japan**

"The stomach is readily upset both by diseases affecting the stomach and by other general illnesses. In addition, any nervous tension or anxiety frequently causes gastric upset, vague symptoms when they are under some strain. The important role of ionized water in our stomach is to neutralize the secretion and strengthen its functions. Usually, after consuming the ionized water for 1 to 3 minutes, the gastric juice increase to 1 1/2 times. For those suffering from hyperchlorhydria or achlorhydria (low in gastric juice) the presence of ionized water will stimulate the stomach cells to secrete more gastric juice. This in turn enhances digestion and absorption of minerals. However, on the other hand, those with hyperchlorhydria (high in gastric juice). the ionized water neutralizes the excessive gastric juice. Hence, it does not create any adverse reaction. According to the medical lecturer from Maeba University, the pH of the gastric secretion will still remain normal when ionized water is consumed. This proves that the ability of the ionized water is able to neutralize as well as to stimulate the secretion."

## Kidney Problem

**Prof. Kuwata Kejiroo, Doctor of Medicine, Japan**

Dr. Kerjiroo explains that for severe kidney failure, water intake has to be restricted. However whereas ordinary tap water "contains phosphate, calcium carbonate and the acidic ions.... [that] tend to reduce the efficiency of the calcium ions...." he feels that in controlled amounts, Alkaline Ionic water will "strengthen the heart and increase urination." He goes on to claim that over the next six to twelve months, the patient should maintain an alkaline diet (reduced animal protein) and continue drinking the Alkaline Ionic water to reduce the amounts of urea and uric acid in the blood. He also feels that, through his clinical experience that patients undergoing kidney dialysis should also drink Alkaline Ionic water as well as those patients with kidney disease who do not respond to drugs.



Standards for medical device manufacturing and quality management



U.S.C Quality Standard Certificate



Comunaute Europeenne



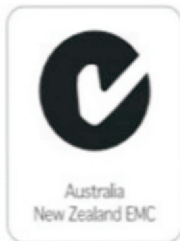
Federal Communications Commission



Russian Federation Certificate



FDA registration



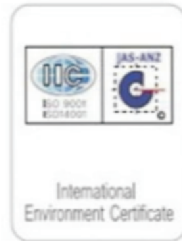
Australia New Zealand EMC



NSF International



International Quality Certificate



International Environment Certificate



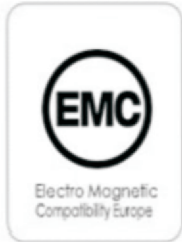
Water Quality Association



VDE GERMANY



ROHS Europe



Electro Magnetic Compatibility Europe



SGS Report



UL Power supply



RoHS



ISO9001:2015



# AMRUT

## INTERNATIONAL

Manufacturer | Exporter | Supplier



**Alpesh**  
**+91 99242 31091**



**Jitendra**  
**+91 98790 63240**



**106, Apple Square, Nr. Yogi Chowk,  
Punagam, Surat - 395010.**



**Amrutinternational2017@Gmail.com**



**amrutenterprise.co.in**