

The most advanced water purification and ionized water system

The Best Source of Water

EMCO TECH WATER IONIZER

WHY DRINK IONIZED WATER?

Here are three reasons why. First of all ionized water is a powerful liquid antioxidant that is easily absorbed into the body. The water also neutralizes free radicals. Free radical damage causes us to age faster, and is largely responsible for many diseases including cancer. Secondly, ionized water is alkaline water, which maintains and balances our body pH(6.9~7.2) and creates an environment which deters bacteria, inflammation and disease. Lastly, the molecular structure is smaller than that of regular tap water. Tap water clusters contain 10~13 molecules opposed to the 5~6 molecules of ionized water. This small size allows for more hydration and better detoxification.



EMCO TECH CO.,LTD.

PIONEER & LEADER IN THE WORLD MARKET SINCE 1970

IONIZED WATER SYSTEM

Emco Tech Water Purification and Ionizer System is the brainchild of Years of science and modern technology.

This unique system filtrates and purifies ordinary tap water to yield healthy, pure drinking water and separates alkaline and acid water for restorative applications.

Emco Tech Water Purification System, Water Ionization System and Water Acidification System makes pure healthy water... water that is invigorating and full of life. Health and water are directly associated with one another, and making a quality decision on the type of water you drink is an indicator of good health.

From the beginning of time, nature has provided life giving water.

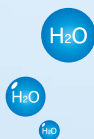
Today, we have alkaline ionized water...pure, natural, restorative water as a result of the wonder of science and modern technology brought to you only by Emco Tech.

Alkaline ionized water is different from the water we drink.

It contains ions, has a different boiling point, freezing point, viscosity, surface tension and can enter body cells three times faster.

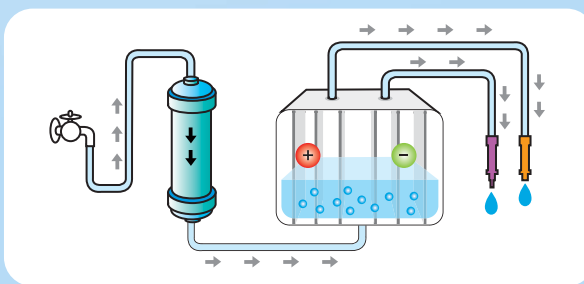
The water we drink is exposed to every kind of toxin and pollution and is poorly filtered.

Alkaline ion water removes impurities and activates healthy minerals into an ionic form which produces "Living Water". In addition, the alkaline ionic water is naturally disinfected, so no bacteria can ever thrive. Emco Tech produces crystal clear alkaline ionized water that's absorbed immediately by the body to maintain our health, and acidified water for skin care and disinfection.



HIGH PERFORMANCE FILTRATION SYSTEM CHANGES NORMAL TAP WATER INTO PURIFIED ALKALINE ION WATER.

we have created a specialized computer system which controls the platinum-titanium electrolytic cell, ensuring that the water is separated into alkaline and acidic water. Both types of water offer important and useful applications. Alkaline water promotes good health, while acidic water can be used for hygienic and cosmetic purposes. Caption under schematic; High performance platinum-titanium electrolytic cell. This self-cleaning electrolytic cell makes antioxidant ionized alkaline water which cleanses acid waste from the body.





PATENTED

Automatic Electrode Cleaning

We realize it is inconvenient to not be able to use your water ionizer while in its clean cycle. Our new patented reversible chamber allows for an automatic water flow regulation so that you can always enjoy alkaline water even while your ionizer is cleaning



PATENTED

Double Automatic Reverse Cleaning

(Automatic electrode cleaning device)

The water electrode cell's scale build up is completely removed from your Emco Tech ionizer, extending the water cell life.



Automatic water pressure control panel Device

Water pressure can be controlled by opening and closing the existing water faucet but according to each area's water pressure as each area has its own particular water pressure, we have added this feature to maintain a constant water pressure.

ACTIVATED CARBON FIBER HIGH PERFORMANCE FILTER

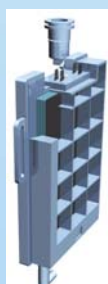
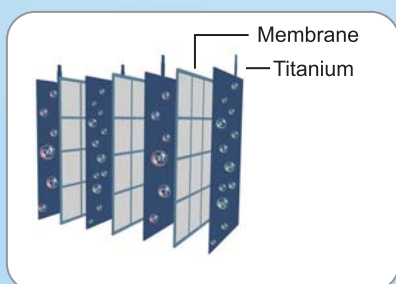


HIGH TECH COMPUTER SYSTEM



This advanced computer system is called MICOM. You can control every function with just one touch. This computer's self-diagnosing features include analysis of quality, quantity, and temperature of water, as well as the ability to prevent an excessive electric current.

PLATINUM-TITANIUM ELECTROLYTIC CELL



The Emco Tech ionized system creates purified Alkaline Ionic water from ordinary tap water. Alkaline water enhances internal pH balance, helping to fight fatigue and maintain good health by cleansing acid waste from the body.

pH Level



Acidity and alkalinity

pH= the unit that indicates the density of acid and alkaline in water. Water becomes acidic with increased oxalic acid and alkaline with increased hydrogen ions. The measuring unit of acidity and alkalinity is indicated by pH values, e.g., pH 7 is considered neutral. Each numerical increment indicates 10 times more hydrogen ions or oxalic acid. For example, an increase of 1 in a pH table means 10 times more alkalinity. A decrease of 1 means 10 times more acidity.

Maintaining pH balance

The human body tends to maintain body fluid at pH7.3 according to the homeostasis function. The body tries to maintain the balance of each organ with alkaline body fluid of pH8.8 from the pancreas as the peak. However an consistent acidic constitution will result in lowering one's self-protection function in the body. Even though there is no visible sign of disease alkaline water drinking will support the body with homeostasis functions. Alkaline water drinking also prevents geriatric disease because it defends the body against acidification of the physical constitution.



The body requires 6~8 glasses of water per day for proper hydration and elimination. Due to the high pH or alkaline water, drinking too much initially can cause diarrhea or upset stomach. Start off slow drinking 1-2 glasses of low pH Royal Water ionized water on an empty stomach in the morning, and again before bedtime. Gradually increase the pH and your water intake, until you can comfortably consume the required amount of water per day.

PRACTICAL USES FOR **ALKALINE** WATER



Rice



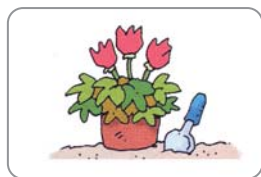
Coffee, Tea



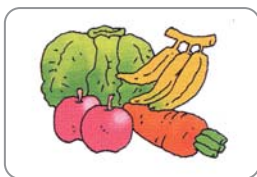
Excessive drinking
hangover



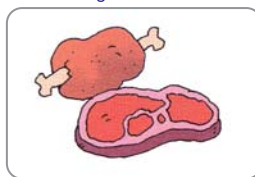
Cooking



Plants



Fruits and Vegetables



Liver and fish
animal distemper



Baby formula
liquor, cocktails

- **RICE**: Soak in alkaline water for thirty minutes to one hour before cooking. It makes rice sticky and improves the taste.
- **Hangover**: Drink 1 to 2 cups of alkaline water on empty stomach in the morning or before sleeping.
- **Cooking**: Alkaline water retains the vitamin and mineral content of our foods that are normally lost in the cooking process. Flavors are enhanced, and any acid or bitter tastes associated with the foods are eliminated. The "fishy" taste of seafood is also removed when you prepare and cook with alkaline water.
- **Plants**: Use alkaline water to help step up growth of roots, and promote growth by bringing acidic soil into neutrality. The acidic water serves as disinfectant that prevent the stems of plants from disease and harmful insects.
- **Fruits and Vegetables**: Wash and rinse with alkaline water to maintain freshness.
- **Liver, Pork, Game meats, and Fish**: Soak in alkaline water 20-30 minutes before cooking. Alkaline water softens (tenderizes) the meat and remove foul odors and the bitter after taste of "bite".
- **Formula for Baby**: Add alkaline water to powdered formula to promote growth and sturdy bone structure.

ALKALINE WATER AND COOKING

Alkaline water is good for cooking and making tea or coffee.

Mixing fruit juices from frozen concentrates, you should use alkaline water. For example cooking rice with alkaline water will neutralize phosphorus with calcium before you eat the rice, cutting the amount of phosphoric acid the rice will develop later in your body.

Boiling alkaline water will lower its pH because the carbon dioxide in the air will be mixed in the water quickly under heat. However, boiling water cannot boil away alkaline minerals; therefore, all the minerals are still there, combined with carbonates. The benefits of neutralizing acids in your body will all be there after volatile carbonic acid is reduced to water by breathing CO₂ out

CONTAGIOUS DISEASES AND ALKALINE WATER

The true cause of cancer

Herman Aihara, in his book entitled " Acid & Alkaline" states that:

"If the condition of our extracellular fluids, especially the blood, becomes acidic, our physical condition will first manifest tiredness, proneness to catching colds, etc. According to Keiichi Morishita in his Hidden Truth of Cancer, if the blood develops a more acidic condition, then our body inevitably deposits these excess acidic substances in some area of the body so that the blood will be able to maintain an alkaline condition.

As this tendency continues, such areas increase in acidity and some cells die; then these dead cells themselves turn into acids. However, some other cells may adapt in that environment. In other words, instead of dying - as normal cells do in an acid environment - some cells survive by becoming abnormal cells. These abnormal cells are called malignant cells. Malignant cells do not correspond with brain function nor with our own DNA memory code. Therefore, malignant cells grow indefinitely and without order. This is cancer".

Best cancer prevention means

When you drink alkaline water, you are drinking water with excess oxygen. Drinking high pH alkaline water will definitely help in preventing cancer. Research should be done by the National cancer Institute to see how alkaline water may help in curing early stages of cancer, depending upon how far the cancer has progressed.. I am sure that there is a point of no return. However, since the healthy cells are alkaline and the malignant cells are acidic, drinking alkaline water will not harm healthy cells while it may destroy malignant cells. It is worth trying.

Diabetes and Alkaline Water

The adult disease diabetes is called insulin-independent diabetes mellitus. The Family Medical Guide by the A.M.A. (American Medical Association) defines it as follows:

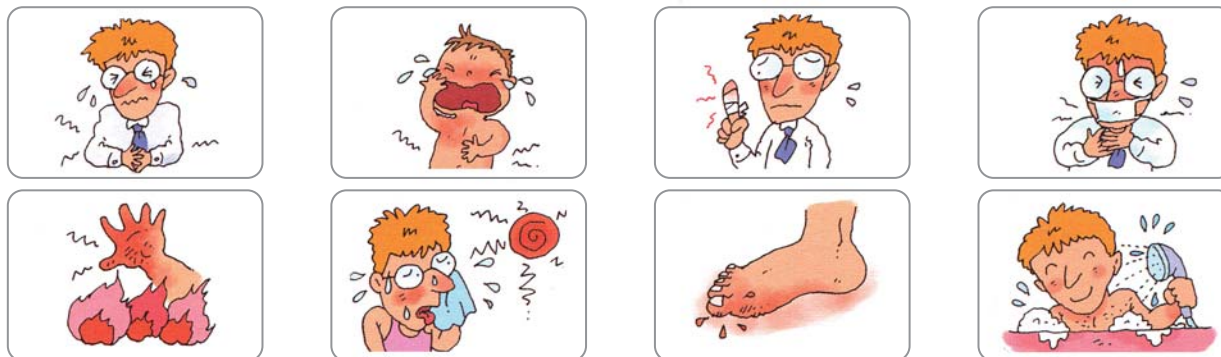
"Insulin-independent diabetes; In this form of diabetes mellitus, which usually affects people over 40, the insulin-producing cells in your pancreas function, but the output of insulin is inadequate for your body's needs. People who have this form of the disorder usually eat too much and are overweight.

Their over-eating causes an excess of glucose in their blood, and the pancreas cannot produce enough insulin to cope with it. Heredity is also an important factor. In nearly a third of all cases, there is a family history of the malady.

Age is also a factor, because the efficiency of your pancreas decreases with age.

The pancreas produces one of the highest pH body fluids, pancreatic juice, with its pH value of 8.8. It is very high Alkaline.

PRACTICAL USES FOR ACIDIC WATER



- **Stomach cramps** : Drink one-half cup of lukewarm acidic water every 3-5 minutes until the pain is soothed. When symptoms disappear, drink alkaline water.
- **Colds/Flu** : Gargle with acid water to soothe a violent cough and a sore throat.
- **Heat Rash, Eczema, and Burns** : Acid water has superior disinfectant qualities. Dip the affected area in acidic water or apply acidic water to the affected area for relief.
- **Athletes Foot** : Soak in acidic water for 20-30 minutes a day.
- **Washing / Bathing, Shampoo** : Acidic water softens and adds elasticity to skin and hair. Its astringent quality helps prevent acne, age spots and freckles.

FAQ'S

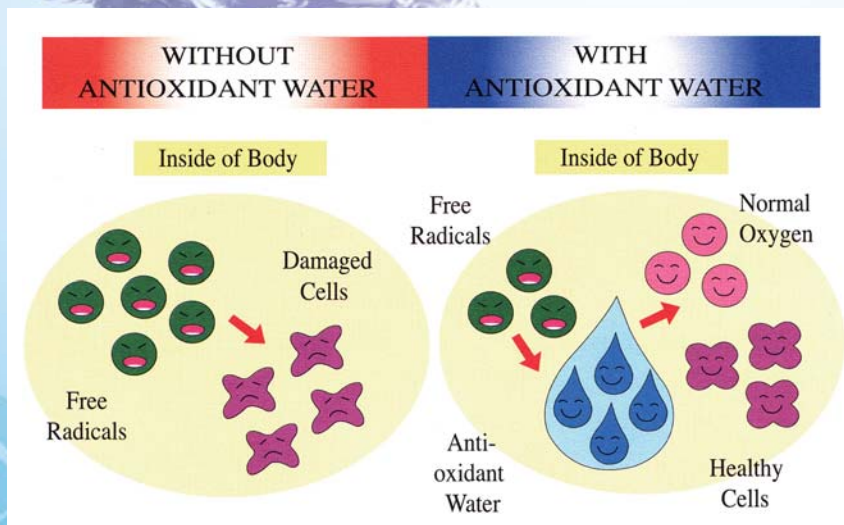
- **WHAT IS ALKALINE ION WATER?**
Ionized water is simply water that has lost or gained an electron. The process of ionization splits purified water into alkaline and acidic mineral water.
- **CAN I STORE THE WATER?**
Yes, Ionized water is best kept in an airtight glass or plastic container. It can be refrigerated or kept in a cool dry place. Avoid storage in metal or aluminum containers.
- **FOR HOW LONG CAN I KEEP IT STORED?**
Alkaline water (Hydroxyl ions) with a high pH will last 3 or more days.
- **WHAT TYPE OF WATER CAN I USE TO PRODUCE ION WATER?**
Regular tap water is best. Distilled water or water filtered by reverse osmosis does not have any minerals. therefore it cannot be ionized.
- **CAN I COOK WITH IONIZED WATER?**
Yes. Alkaline water is not only efficient. but a healthier way to prepare and cook foods. Alkaline water boils faster. which means foods spends less time in water and retain their vitamin content.

ALKALINE WATER HELPS THE BEST

When you drink alkaline water, you are drinking water with excess oxygen, not in the form of O_2 , but in the form of OH^- which is very stable because it is mated with positively ionized alkaline minerals. Two of these hydroxyl ions can form a water molecule (H_2O) and give out one oxygen atom. The alkaline mineral is used to detoxify toxic acid compounds, and when that happens the hydroxyl ion is freed to supply excess oxygen to prevent the development of cancer. It is indeed the case of killing two birds with one stone.

We are talking about two kinds of oxygen. One is in a dynamic form, O_2 , and the other is in the stable bias form of OH^- mated with positively ionized alkaline minerals. The body needs both kinds of oxygen. If you hold breath, O_2 is cut off and you die, and if your body pH goes down below 7, OH^- is cut off and you would die also. When breathing stops, O_2 is first used up and the body will use up OH^- secondly, then death will occur. That takes about three minutes.

Dr. Otto Warburg received the Noble Prize for discovering the cause of cancer
- this being lack of oxygen which is **low alkaline pH**.



ALKALINE ANTIOXIDANT WATER FOR VITAL HEALTH

Water sustains life. Approximately 70~80% of our body is water. Water adjusts the body's temperature and assists in digestion. It removes toxins from the body and also makes necessary body fluids.

The qualities and the properties of the water we drink can determine the quality of our health. The water purification and ionized system produce perfectly pH balanced pure alkaline water for your good health.

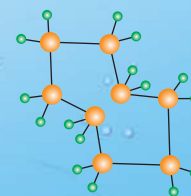
BENEFITS OF ALKALINE WATER HIGH pH (HYDROXYL IONS)

Provides energy, hydrates and absorb nutrients more, brings body pH into balance, extends life of cut flowers and promotes plant growth.

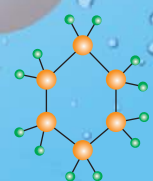
BENEFITS OF ACIDIC WATER LOW pH (HYDROGEN IONS)

Anti-oxidant quality provides relief to cuts, stings, burns, and rash, conditions skin and hair, removes dental plaque, excellent treatment for acne, eczema, fungus & athlete's foot, chapped/dry skin.

ACIDIC WATER FOR EXTERNAL USE ONLY. DO NOT DRINK.



Regular tap water



Ionized Alkaline water



EMCO TECH CO., LTD.

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www.royalwater.com