

How Does Water Ionizer Works ?

A water ionizer uses a two-step process.

The first task is to filter out harmful components of the water: chlorine, trihalomethanes, phenols, sediment, odor, taste, organic waste, and bacteria of all kinds. Hi-Tech achieves this by the use of a multistage activated carbon filter containing tourmaline and coral calcium.

Next, a small electrical charge is introduced into the water through platinum-coated titanium electrodes. The process of electrolysis that follows takes place in a patented chamber designed to separate the water into two streams of ionized water Alkaline & Acidic

Is Ionized Water Good For You?

FAQ

2012 study Trusted Source found that drinking naturally carbonated artesian-well alkaline water with a pH of 8.8 may help deactivate pepsin, the main enzyme that causes acid reflux.

Another study suggested that drinking alkaline ionized water may have benefits for people with high blood pressure, diabetes, and high cholesterol.

A more recent study that included 100 people found a significant difference in whole blood viscosity after consuming high-pH water compared to regular water after a strenuous workout. Viscosity is the direct measurement of how efficiently blood flows through the vessels.

Those who consumed high-pH water reduced viscosity by 6.3 percent compared to 3.36 percent with standard purified drinking water. This means blood flowed more efficiently with alkaline water. This can increase oxygen delivery throughout out the body.

Proponents of alkaline water still believe in its proposed health benefits. These include:

Anti-aging properties (via liquid antioxidants that absorb more quickly into the human body)

Colon-cleansing properties

Hydration, skin health, and other detoxifying properties

Weight loss

Immune system support

Cancer resistance

FAQ

What is pH?

FAQ

pH is a measure of hydrogen ion concentration, a measure of the acidity or alkalinity of a solution. The pH scale usually ranges from 0 to 14. Aqueous solutions at 25°C with a pH less than 7 are acidic, while those with a pH greater than 7 are basic or alkaline. A pH level of 7.0 at 25°C is defined as "neutral" because the concentration of H_3O^+ equals the concentration of OH^- in pure water. Very strong acids might have a negative pH, while very strong bases might have a pH greater than 14.

What is ORP?

FAQ

The other way an ionizer alters the water is in ORP. This stands for Oxidation Reduction Potential (also known as “Redox”) Most leading water researchers from Asia agree that in ionized water the elevated pH is good, but that ORP is more important. Alteration to the ORP is what causes the micro-clustering, antioxidant and oxygenating effects.

Oxidation-reduction potential, or ORP, is a measurement that indicates the degree to which a substance is capable of oxidizing or reducing another substance. ORP is measured in millivolts (mV) using an ORP meter.

A positive ORP reading indicates that a substance is an oxidizing agent. The higher the reading, the more oxidizing it is. As such, a substance with an ORP reading of +400 mV is 4 times more oxidizing than a substance with an ORP reading of +100 mV. A negative ORP reading indicates that a substance is a reducing agent. The lower the reading, the more anti-oxidizing it is. As such, a substance with an ORP reading of -400 mV is 4 times more anti-oxidizing than a substance with an ORP reading of -100 mV.

What are the various levels of alkalinity and acidity (pH) for?

FAQ

water ionizers provide, at the push of a button, water that varies from mildly alkaline to highly alkaline. This enables you to accustom yourself gradually to higher levels of alkaline drinking water (e.g. pH9.5 to 10).

You should start slowly with one glass of ionized water at the lowest alkaline setting and work your way up over several weeks to higher levels and amounts. If you experience any discomfort from detoxification, just move back to the previous level or smaller quantities.

This also allows different members of the family to dial-up their preferred level. The highest levels of alkalinity are for cooking.

In addition, there is a button for water that is purified only filtered but not ionized. Its pH level will be close to the level of your regular tap water. This water is for those taking medications which should not be combined with alkaline water.

As for the various levels of acid ionized water, you will probably use the most acid level for the long list of uses for acid water

What Are the Top Features to Look for in a Quality Water Ionizer?

- Filters
- pH Levels
- ORP
- Plate count
- Flow Rate
- Warranty
- Quality Certification
- Trial Period
- User Friendly
- Price

What is Kangen Water?

FAQ

Kangen Water is delicious water created from Enagic's innovative water technology. Not only do these devices filter your tap water, but they also produce ionized alkaline and acidic waters through electrolysis. These waters can be used for various purposes, including drinking, cooking, beauty, and cleaning.

Kangen water is a company who introduced Water Ionizers in Japan with the same technology adopted by Hi-Tech Sweet Water Technologies.

The only difference between Kangen and Hi-Tech Ionizers is the shape of the ionizer and the company name, the process of making water alkaline and acidic through electrolysis process is the same through the electrolysis plates built in the Water Ionizers.

Can you Drink Alkaline Water Every Day?

FAQ

Doctors say it is beneficial to drink at least 8 glasses of water per day. If you are not used to drinking a lot of water, start out by drinking 3-4 glasses of alkaline water per day (approx. 1 liter) and gradually increase your water intake to 8-12 glasses per day (2 to 3 liters).

Have your first glass of the day right when you get out of bed. The water absorbs best into the system when your stomach is empty. Then you should continue to drink alkaline water throughout the day. Remember not to drink ionized water 30 minutes before and up to 2 hours after meals and medication.

List Of Celebrities who Drinks Ionized Water?

FAQ

Miranda Kerr

Bill Gates

Barack Obama

Brad Pitt

Tiger Woods

Leonardo Dicaprio

Jennifer Lopez

Donald Trump

Shahrukh khan

Robert Downey Jr.

Is Hydrogen Water Same as the Alkaline Water?

FAQ

Hydrogen Water and Alkaline Water Are Essentially the Same

Alkaline water is produced by electrolysis, enabling the 'free' and available hydrogen gas to dissolve into the water. It is the presence of hydrogen gas which gives alkaline water many of its benefits.

Electrolysis Definition: This process induces a chemical change in a liquid by using electric current.

Research has shown that removing the hydrogen gas in ionized water diminishes the benefits, and perhaps unsurprisingly, adding extra hydrogen gas to the water increased the therapeutic benefits.

Water is H₂O - literally two hydrogen atoms for each oxygen atom. 'Ordinary' water has an equal number of OH⁻ ions (hydroxyl ions) and H⁺ ions (hydrogen ions).

Alkaline water is water with more OH⁻ ions than H⁺ ions. In other words, alkaline water has far more oxygen atoms than regular water!

How to Multi-Task with Alkaline Water

So there we are, alkaline water is hydrogen water.

Which is the Best Water Ionizer?

FAQ

Recently, researchers have discovered the numerous benefits linked with alkaline water - that is water that has been previously ionized. The pH level of the water measures the acidity or alkalinity level of the water. Investing in a water ionizer allows you to adjust the alkalinity or acidity of the water you drink, depending on what your body needs.

The basic features you have to make sure while purchasing an ionizer:

What Exactly Are Alkaline Water Machines?

Very simply, an alkaline water machine transforms regular tap water to the optimal Ph level for our bodies. Ph actually stands for potential of hydrogen. Higher Ph liquid has fewer free hydrogen ions.

The PH values range from 0 to 14, with 7 being neutral. Anything lower than 7 is acidic, anything higher is alkaline. To give you a frame of reference, milk has a Ph of 7.0 whereas most sodas or juices have Ph of about 3.

FAQ

These are the basic features you have to make sure while purchasing water ionizer, all the ionizer works in the same way but with different company names and small differences.

Adjustable PH Levels

Number & Type of Plates

ORP Range

Filter Life and Cost.

Why is Alkaline Water Ionizer so Expensive?

FAQ

If you compare water ionizers to medical equipment, **they're not expensive at all.** But I'll explain how the expense breaks down. The most cost is in the platinum coated titanium plates (electrodes). **Platinum is right now selling for over \$950.00 per ounce!** Each plate in the water cell (which is the heart of the water ionizer) is coated with this expensive platinum. Water ionizers have between five and seven of these plates. The reason for using platinum is that it, of all metals, will not break down and leach into your water... even over time. So it will virtually last indefinitely, and as long as your water ionizer has a good cleaning cycle it will produce as healthy water 20 years from now as it does today. The second greatest cost for water ionizers is in the research, development and production of the water ionizer. These are very scientifically developed and intricate machines and the researchers don't typically receive grant money for it either.