

AI-IONIZER-50



Filtration AI-IONIZER-50: 3-in-1 PPC Filter (Sediment + Carbon + Sediment)

+ RO Membrane, UV inside the tank, UF, 5 Titanium Plates.

Power Consumption: RO – 60 W, RO + Ionizer – 60 W + 150 W.

Storage Tank: 7 Ltrs.

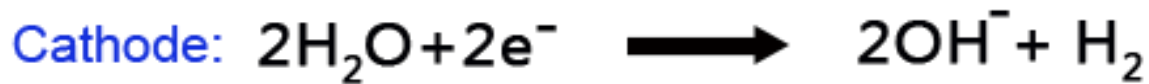
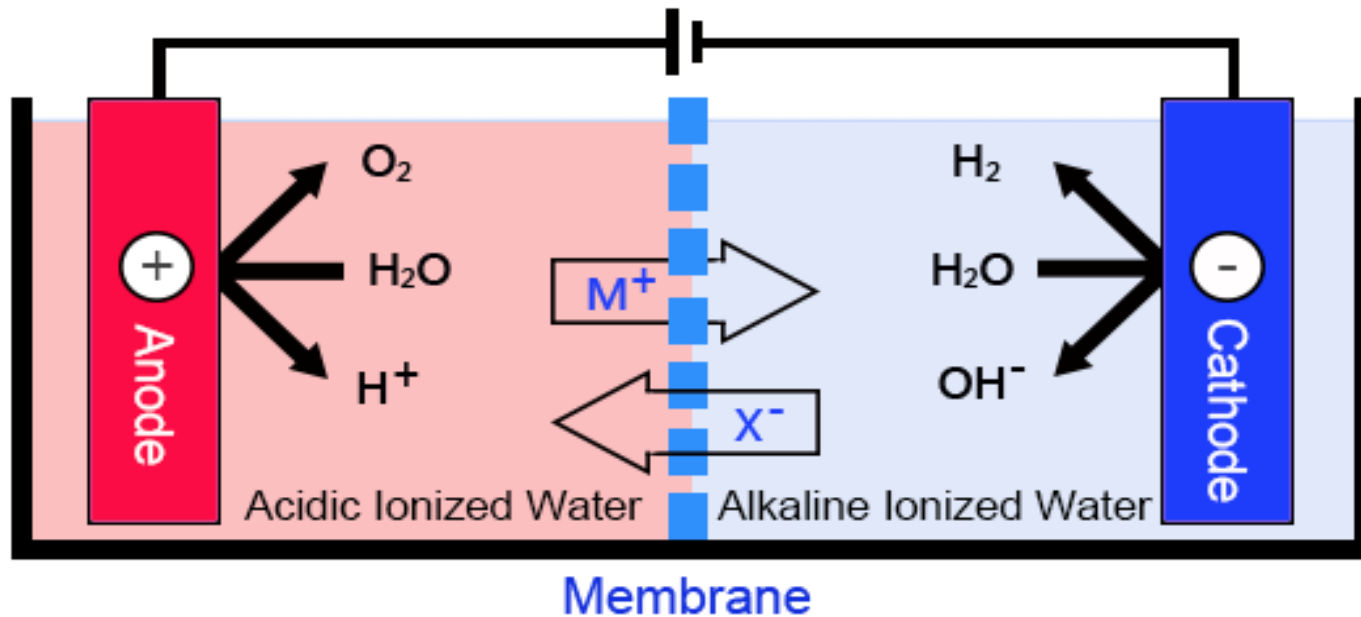
- UV inside the Storage Tank.
- Operating Voltage: 230 V (AC).
- SMPS DC Power Supply 24 volt 3 Amp. (RO).
- SMPS DC Power Supply 36 volt 10 Amp. (RO + Ionizer).
- RO Booster Pump 400 GPD.
- Production Rate 50 - 60 Ltrs. / Hr.
- Electronic water level control switch.
- Automatic dry run protection.
- Auto Flush.
- Digital Display Indications.
- TDS Display.
- RO Membrane 400 GPD.



- More than 50%* water recovery, maximum at 1000 PPM.
 - Make in India.
 - **Inlet Pressure:** 0.5 - 2kg/cm².
 - **Inlet Water Temperature:** Max 45°C.
 - **Inlet Connector :** 1/2 x 14 inches.
- Works upto 2000 PPM. as standard RO Purifier.
- Works upto 2000 PPM as standard RO + Ionizer.
- Self Serviceable Water Purifier.

PROCESS

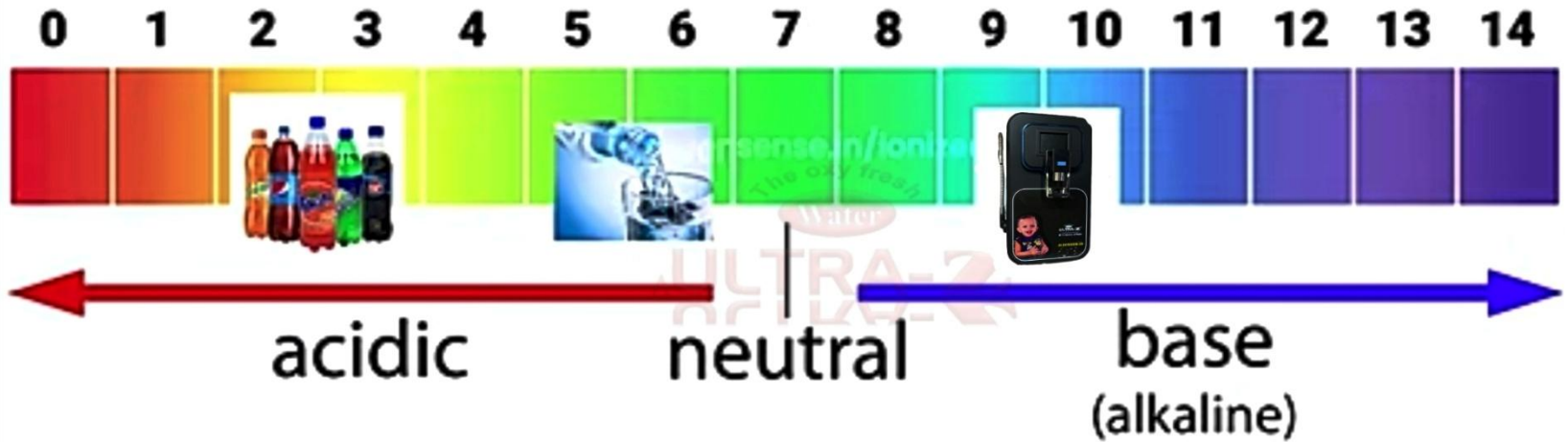
Electrolytic Chamber Pattern and Reaction System



PH SCALE



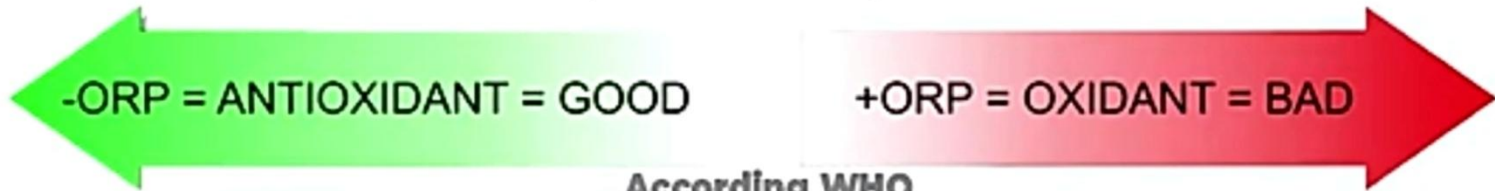
The pH scale



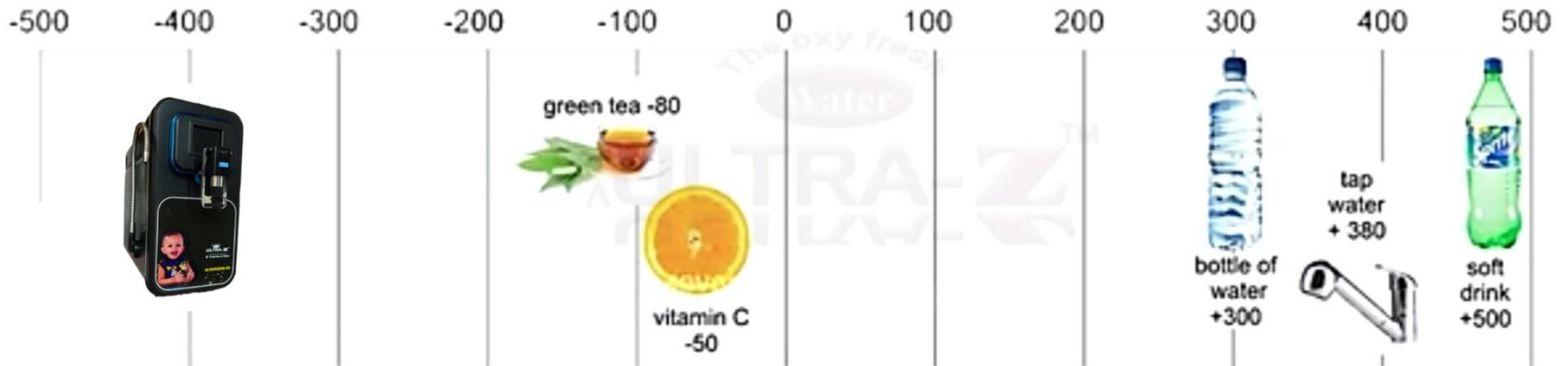
ORP



ORP = Oxidation Reduction Potential
(millivolt , mV)



According WHO



. When we drink ionized water negatively charged (ORP), the oxidation is delayed and the cells of our body are allowed to regenerate.

7 BENEFITS OF WATER IONIZER

AI-IONIZER-50 Water ionizers have proven to be an area of much debate and for years many people have done research to uncover what potential health benefits they may or may not offer. Of course, as a result not every supposed effect of ionized water has been discovered to be true, but some have, and you might be impressed to find out what they can do.

Therefore, we've put together the 7 best benefits that can be achieved by drinking alkaline ionized water.....



THE BATTLE AGAINST CANCER

(1)

One of the greatest perks of a water ionizer is definitely the impact it can have on preventing cancer. Many bodily cancers are caused by oxygen radicals, which are produced as a by-product of various important metabolic functions. These radicals are unstable molecules and they attack the cells in the body causing disruptions that can become cancerous.

However, while dangerous, these free oxygen radicals can be combated with antioxidants, which are produced by an ionizer in the form of Hydroxide ions (OH⁻). These ions work in a similar way to other good antioxidants such as Vitamins A and C, and they are able to combine with oxygen radicals to form a full oxygen molecule, which can instead be used practically by the body.

Of course this is not a direct cure and it only reduces the risk, but that in itself should be a good enough reason to consider investing as cancer is a problem nobody wants to face.

CARDIOVASCULAR BOOST

(2)

Free radicals don't just lead to cancer, and over time lots of [research](#) has shown a link between them and poorer cardiovascular health. In particular they have been linked with atherosclerosis, which occurs when the inner vessel wall is damaged (often by free radicals) and gets clogged with cholesterol.

This process is often the starting point for a stroke or heart attack as a large enough atheroma can cause the blood vessel to be constricted, limiting the flow of blood. Parts of the atheroma can also break off and get trapped in a vessel, which in turn often leads to a cardiovascular attack.

Alkaline ionized water is able to limit these risks by firstly neutralizing free radicals, preventing them from attacking vessel cells to kick start the formation of an atheroma. However, interestingly it has also shown some promising results in reducing the potential growth of an atheroma, making it less dangerous even when formed.

EFFICIENT HYDRATION

(3)

Water ionizers also allow for the production of water that is better at hydrating. This may sound weird at first, as of course normal tap water is a great form of hydration. However, the ionization process causes the clusters of molecules in water to break apart into smaller groups. This process leaves a larger number of clusters that contain only around 5 H₂O molecules as opposed to normal clusters that typically contain 10 - 15.

These small clusters can then be absorbed into cells with greater ease as they can permeate through membranes in less time thanks to minimal resistance. This in turn leads to faster hydration and allows water molecules to be used practically for flushing our waste from the body.

IMPROVED DIGESTION

(4)

Alkaline ionized water has also been shown to have an interesting impact on digestion and it is very beneficial to the colon in particular. The colon is an important part of the digestive system and it is essential that it is kept alkaline where possible. Not only does this allow it to function more effectively, but it also helps to prevent colon cancers from forming.

It is also important to know that drinking alkaline water does not have a hugely negative impact on the stomach during digestion. A majority of digestion is actually carried out by enzymes, not the acid itself, so if the acid were to be slightly weakened your body would still be able to digest foods easily. However, when eating meats, lactose or gluten it is often best to avoid drinking any particularly alkaline water until 20 minutes after eating.

TRANSCENDENT SKIN

(5)

Using a water ionizer in your life clearly offers many important health benefits. However, not every benefit has to be for important medical conditions as ionized water also helps to keep skin clear, fresh and wrinkle free.

Once again it does this by combating free radicals with the Hydroxide ions produced by the ionization process. These radicals are the main cause of wrinkles as they damage the skin and cause it to deteriorate over time, so fighting them and neutralizing is very important and is often achieved through endless face exfoliates and moisturizers.

Rubbing ionized water on the face has also been linked with lower levels of acne and a reduction of sore areas.

LIVER KIDNEY DETOXIFICATION

(6)

Detox Water for Fatty Liver

Your liver is a vital organ that works hard to keep your body functioning properly. But sometimes, the liver can become overburdened with toxins and fat, leading to fatty liver disease. The good news is that you can support your liver with a simple and effective remedy: detox water for fatty liver. By incorporating ingredients like lemon, ginger, and turmeric into your water or ionized water, you can help protect your liver and reduce inflammation. Start incorporating this detox water into your daily routine and give your liver the support it needs.

Detox Water for Kidney

Your kidneys are responsible for filtering out waste and toxins from your body. But if they become overworked or damaged, they can't do their job effectively. This can lead to a variety of health problems. The good news is that you can help support your kidneys with a simple and effective remedy: detox water for kidney. By incorporating ingredients like cucumber, lemon, and mint into your water or ionized water, you can help flush out toxins and reduce the risk of kidney stones. Start incorporating this detox water into your daily routine and give your kidneys the support they need to function at their best.

FRESH TASTE AND PERFECT FILTRATION

(7)

Some people love the taste of normal tap water or claim it has no taste at all. However, it definitely isn't for everyone, and personal preferences are often divided between soft, hard or bottled water. As an alternative though alkaline ionized water does offer a slightly different taste that may appeal to those who prefer bottled water. Furthermore, over time it can offer a saving for individuals who are dedicated bottled water drinkers.

On top of a better taste, it is also believed by many that alkaline ionized water is smoother to drink and feels more hydrating in the mouth. However, there isn't really any proof of this and it may well be a placebo effect or simply a link to the smaller water molecule clusters found in ionized water.

Finally, an ionizer also offers excellent water filtration almost unintentionally. Since it charges molecules it is able to rather effectively separate out common tap water contaminants from water such as Chlorine, Chloramines, Heavy Metals (Lead, Mercury), VOC's and Pesticides. This leaves behind a cleaner water, yet for the most part leaves useful minerals such as magnesium potassium and even some calcium untouched.