

# Mini Ioniser Q&A

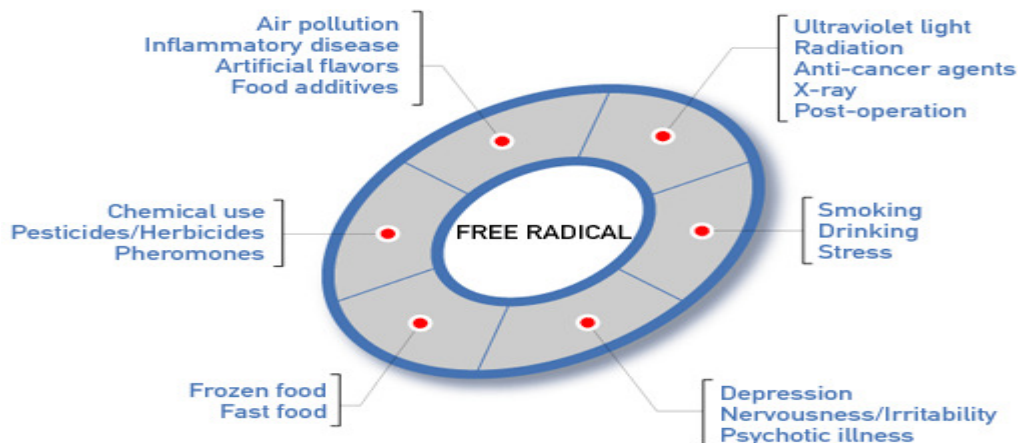
## Q What is ionised water?

A. Ionised water is water that has undergone changes which alters the molecular structure of the water converting the water molecules into a form that is alkaline and many times more hydrating than ordinary tap water.

The water atoms have gained additional electrons

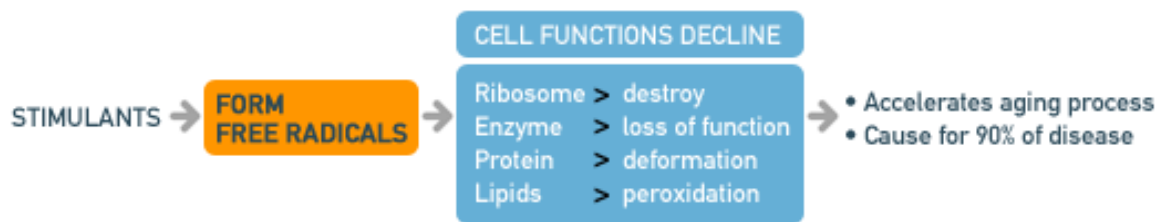
Standard water is H<sub>2</sub>O which means 2 hydrogen atoms to each oxygen atom, whereas ionised water is OH<sup>-</sup>, a natural antioxidant.

Anti oxidants neutralise free radicals, so the damage to healthy cells is reduced. It said that one free radical can damage hundreds of healthy cells



## Q What do free radicals do?

A. Free radicals can be explained in terms of oxidation. Oxidation happens when you take a bite from an apple and leave it exposed to the air for a while. Oxygen in the air which comes into contact with the apple surface attacks it and damages it, resulting in brown discoloration – a visible sign of free radical damage. A similar thing happens in our bodies when free radicals attack healthy cells. To compensate for this, our bodies produce anti oxidants to eliminate the free radicals. Due to our modern lifestyle, we do not have enough anti oxidants to eliminate free radicals; Free radicals assist the ageing process and degenerative diseases. Fresh fruits & vegetables are a good source of natural anti – oxidants, as well as the *Mini Ioniser*.



### Q. Why should we drink Alkalised Ionised water?

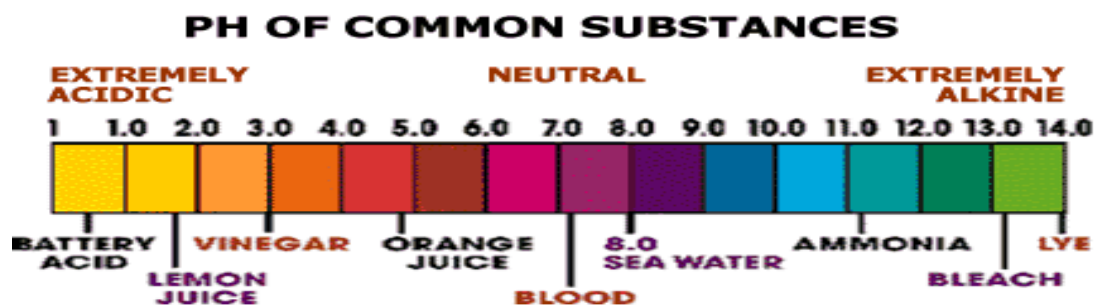
A. Most of the foods we eat are acidic, particularly processed foods, which in turn make our bodies too acidic.

High acid levels in the body can lead to many symptoms, including;

- Poor memory
- Advanced ageing
- Psoriasis
- Arthritis
- Obesity
- High blood pressure
- Plus many other symptoms

Even more concerning is that cancer cells prefer an acidic environment. Alkalised ionised water has a high pH level which helps the body return to an alkaline state

### Understanding pH



The human body needs to keep the blood Ph close to pH 7.35

### Q What level of pH water should I drink?

A. Ideally it should be pH 9.0 to pH 10.00

Every person is different. If you find the alkaline pH uncomfortable to start with (a very small amount of people experience trips to the loo more often) you then just dilute the water for a week and gradually reduce the dilution till you are drinking 100% water from the **Mini Ioniser**

**Q What level of pH can the *Mini Ioniser* achieve?**

A. Our tests have shown with normal mains tap water with a pH of 7, we have achieved up to 10.5pH.

We preset the *Mini Ioniser* to deliver 9.5 pH which is perfect for drinking.

**Micro clustering**

Another advantage of alkaline ionised water is that it makes the water molecules smaller.

For example, tap water has clusters of 14-19. Alkalised ionised water has clusters of 6. The smaller clusters allow easier penetration of the body cells for nutrient absorption, hydration and removal of toxins.

This clustering is also known as hexagonal water.



**Oxygenation**

Alkalised ionised water also has additional oxygen which is good for sports and recovery.

**Q What are the potential benefits of drinking the *Mini Ioniser* alkalised, ionised water?**

A There are numerous benefits, many books and testimonials exist,. Listed here are the main reported benefits;

- Alkaline water- helps neutralise acid in the body
- Hydration - this water hydrates 6x more effectively than ordinary tap water
- Detoxification- smaller water clusters help to flush out toxins, particularly in fat cells
- Nutrient absorption - if you take any supplements with this water, these will be absorbed at a far higher level.
- Contains powerful anti oxidants to destroy free radicals
- Obesity-with the powerful combination of detox and better cell nourishment, the individual will feel less hungry
- Constipation - increased hydration starts to get things moving again!

**Other conditions that may be helped include;** High Blood Ppressure, Diabetes, Psoriasis, Arthritis, Osteoporosis, Allergies, IBS, Migraines and other degenerative diseases.

- Foods cooked in alkalised ionised water taste better, and the nutrients are absorbed more easily by the body
- Boiling/cooling- tests show that alkalised ionised water boils & cools faster than tap water. This could add up to some smart energy savings over a year.
- Mixing powders - flour and other powders when mixed with this water mix more smoothly & thoroughly

**Q Can drinking alkaline ionised water have an effect on the blood pressure?.**

A Consuming alkalised ionised water over several months is reported to help as the cholestrol is more easily dissolved. As arteries become blocked or calcify they have a positive charge. The alkalised ionised water has additional negative ions which may help to nullify the plaque.

**Q What effect does it have on the blood?**

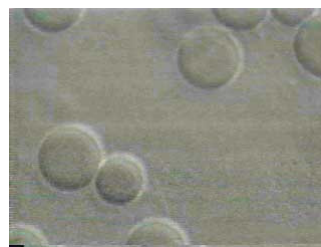
A Blood has a natural pH of 7.35. If we consume too many acid foods, then our bodies become stressed (acidosis) and will try to compensate to bring the blood pH back to 7.35

Alkaline ionised water helps to restore the balance due to its high alkalinity

Blood cells become less “sticky”, they can flow more easily around the arteries and carry oxygen more effectively.



Acidic blood cells



Alkaline blood cells

**Q Which other organs can benefit?**

A Just about all!

**Liver & Kidneys**

Main advantage is the flushing out of toxins and acids

**Digestion**

Assists the stomach juices, improved absorption of minerals, this also helps the contents of the colon to become less acidic

## Stools

They become lighter with less smell due to improved rate of food absorption and hydration.

### Q What is so special about the *Mini Ioniser* ?

A The *Mini Ioniser* has been specially designed to give optimum performance at a very reasonable cost. It does not require an electrical supply, and does not use platinum coated plates to produce the ionised alkaline water. Also the level of filtration is extremely high by using Reverse Osmosis

It allows you to enjoy Alkalised ionised water with contaminants removed at a budget price.

The Mini Ioniser is a **3 in 1 unit**,

**Stage 1** is Reverse Osmosis filtration

**Stage 2** is remineralisation and alkalisation of the water (reverse osmosis strips the minerals from the water and is acidic, so we add them back)

**Stage 3** is ionisation of the water

### Q What minerals are added back, and are they natural?

A Calcium, Magnesium, Potassium and Sodium in a balanced natural formula.

### Q Do I need any prefiltration for the *Mini Ioniser* ?

A No, the filters are all neatly placed inside the unit

### Q Does the *Mini Ioniser* remove hormones/pharmaceutical drugs and fluoride from the water?

A Yes, and much more due to the Reverse Osmosis filtration

See the table below;

Aluminium	97-98%	Nickel	97-99%
Ammonium	85-95%	Nitrate	93-96%
Arsenic	94-96%	Phosphate	99+%
Bacteria	99+%	Polyphosphate	98-99%
Bicarbonate	95-96%	Potassium	92%
Bromide	93-96%	Pyrogen	99+%
Cadmium	96-98%	Radioactivity	95-98%
Chlorine	99.9%	Radium	97%

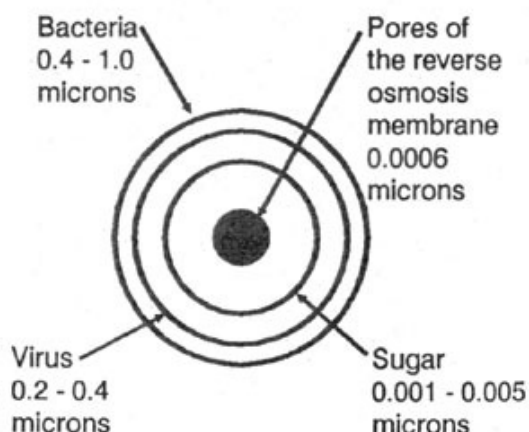
Chloride	94-95%	Silicone	97%
Chromate	90-98%	Silica	85-90%
Chromium	96-98%	Silicate	95-97%
Copper	97-99%	Silver	95-97%
Cyanide	90-95%	Sodium	92-98%
Ferro cyanide	98-99%	Sulphate	99+%
Fluoride	94-96%	Sulphite	96-98%
Iron	98-99%	Zinc	98-99%
Lead	96-98%	Virus	99+%
Magnesium	96-98%	Insecticides	97%
Manganese	96-98%	Detergents	97%
Mercury	96-98%	Herbicides	97%

These are the values from the manufacturer of the Reverse osmosis membrane

Other contaminants removed >94% include

- Chlorine/Chloramine
- THMs(chloroform), DBCP, Lindane, TCEs(trichloroethylene), PCEs(Tetrachloroethylene), Carbon Tetrachloride
- VOC (volatile organic compounds)
- Hormones- Oestrogen & Oestrogen mimicking compounds

Bacteria such as **cryptosporidium & Giardia are also removed.**



**Q Can I alter the pH level of the *Mini Ioniser*?**

A No, if you want this feature, we can supply an excellent traditional ioniser, please go to <http://www.waterfilterman.co.uk/naturalselection.html>

**Q Can the *Mini Ioniser* produce acid water?**

A No, again if you want this feature we can supply an excellent traditional ioniser, please go to <http://www.waterfilterman.co.uk/naturalselection.html>

**Q How can you ionise the water without using electrically charged plates?**

A Ionisation occurs naturally. Good examples are mountain streams & rivers. The action of the water running over the rocks produces ionisation and collection of the minerals. Many ioniser manufacturers refer to the water as being like a mountain stream

We use natural rocks & minerals within the *Mini Ioniser* to produce the same effect

**Q How do you know the *Mini Ioniser* produces anti oxidants?**

A We can measure the ORP (Oxidation Reduction Potential) with a meter. If the ORP is a minus figure (-mV) it is beneficial, the water will have anti oxidants in it. A plus figure (+mV) indicates that the water will oxidise, ie. if you place a nail in the water it will go rusty within a week.

Tap water is in the region of + 120mV and most bottled waters are + 80 mVto +150mV

Ionised water should have a - mV value

**Q What ORP value does the *Mini Ioniser* produce?**

A We have achieved values over -500 mV. This can vary due to incoming water supply

**Q How often do the filters & the ioniser chamber need replacing?**

A The filters and the ioniser chamber have a 4700 litre capacity, which equates to 12.8 ltrs per day, if you use it 365 days per year. This generally is plenty for a family. We automatically remind you to change the filters every 12 months

**Q What happens if we go over the 4700 litres?**

A The pH and ORP levels will start to fall , but the water will still be very pure due to the RO filtration. However it is important to change the filters every 12 months to ensure the effectiveness of the machine.

**Q Is the *Mini Ioniser* CE certified?**

A Yes, and the filters are to Water Quality Association standards too.

**Q I already have a Mineralizer which looks similar to the *Mini Ioniser*, can I upgrade this?**

A Yes, we use a modular design outer case which enables us to make modifications and upgrades to the existng system.

**Q I have a standard reverse osmosis system. Can I upgrade this to a *Mini Ioniser*?**

A Unfortunately the answer is no. However we do offer a very good trade in for your existing system. Please call us for a quotation.

**Q Does the cost include installation?**

A Yes. We have professional engineers who will not only install but also inform you how to use the **Mini Ioniser** to obtain the best results

**Q What is the warranty offered?**

A Standard 12 months warranty is offered, with the option to extend this over several years. If you choose our maintenance package this will cover all filter changes, repairs & spares.

we also offer a rental scheme, please call for details.

**Please see our data sheet for details.**

