

Akai Water Ionizers

How to Use

1. Water from the tap is routed by a tap diverter to the Akai Water Ionizer unit.
2. The water runs through a carbon and hollow fibre membrane filter to remove chlorine, chemicals, and other contaminants down to .1 micron - an exclusive feature of the Akai Water Ionizer. It filters out Eoli, Giradia lamblia (giardiasis), and cryptosporidium.
3. The water is then processed with direct current in the electrolysis chamber to produce two types water: alkaline (for consumption), and acidic (for external use). The water is then treated with low dosage ultraviolet light (while the water is flowing) to eliminate bacteria and virus contamination.
4. The water is then processed with direct current in the electrolysis chamber. The water is delivered via a stainless steel hose. With a touch of a button, the user can select whether alkaline or acidic water is to be delivered via this hose.
5. The water not selected is delivered to the sink edge via a secondary hose. It can be used or accumulated for later use.

Frequently Asked Questions

Q: Where is the Akai Water Ionizer manufactured?

A: The Akai Water Ionizer is manufactured by Akai Electronics, a sister company of the 150-year-old Singer Corporation, well-known throughout the world as a manufacturer of high-quality electronic equipment.

Q: How much water is produced per minute?

A: Approximately, 6 litres per minute. Approximately two thirds of the water is alkaline and one third of the water is acidic.

Q: What type of pre-filter is employed by the Akai Water Ionizer?

A: The Akai Water Ionizer first utilizes granular activated carbon to absorb chlorine and chemicals, then hollow fibre membranes to provide filtration to .1 micron. By filtering below bacteria levels, it is unnecessary to silver impregnate the filter. Although several manufacturers of lesser quality water ionizers use silver-impregnated charcoal or carbon, they are not considered by the Water Quality Association to be effective in eliminating the possibility of bacteria growth in the filter. Further, the E.P.A is very concerned that the silver used in silver-impregnated filters may end up in the drinking water and therefore end up in your body as a heavy metal. If you are using equipment that has silver-impregnated filtration, make certain that it is manufactured to E.P.A. specifications and is E.P.A. listed. See E.P.A. at www.epa.gov for further information regarding this potentially dangerous filter. No other water ionizer uses more effective or safer filtration than the Akai Water Ionizer.

Q: If the filter is that good, how long will it last?

A: As a rule of thumb, the better the filter, the shorter the life because it works so hard. The P900 filter will process 6,000 litres before requiring replacement, unless you have a lot of sediment in your water, i.e. from shallow wells. In that case, we suggest you pre-filter your water. 6,000 litres will last the average family of four about one year based on 4.3 gallons per day of water used specifically for drinking and cooking. The Akai Water Ionizer is the only unit on the market equipped with a digital meter that tells you the exact amount of water that has been processed through the filter. This feature, exclusive to the Akai Water Ionizer, is in addition to audible and visual indications informing you when to order a new filter and exactly when to change filters.

Q: What is the benefit associated with ultraviolet light? (for MS900UV unit only)

A: The UV light comes on automatically when you run water through the unit and remains on for 30 seconds after the water has been turned off. The low dosage UV treatment given to the water is quite effective for eliminating viruses such as hepatitis and influenza, which require no more than 8,000 microwatts of UV light per second per cm². Bacteria, which require higher dosages, have already been filtered out if present in your water. The ultra-high

dosage UV that takes place with no water moving is used to ascertain that no bacteria has entered the unit from a reverse direction - another Akai Water Ionizer exclusive feature.

Q: How long will the UV bulb last?

A: Actually there are two UV bulbs in the Akai Water Ionizer. Although you can see the reflection of the UV through a special viewing window, the unit's special service diagnostic program (SDP) will alert you by displaying "UV change" in the window that normally displays the litre meter. It is unlikely you will see this because the UV lamps are rated at 2500 hours of water flowing through (225,000 gallons) or approximately 20,000 times used. If you use the unit four times per day, it should last you 13.7 years thereby exceeding the 12-year life of the unit.

Q: Of what are the electrodes made and what keeps them from becoming plated with minerals in areas such where the water is highly mineralised (hard water)?

A: This is an important question because the biggest problem with ionizers is the potential for electrodes to become plated, thereby rendering the unit useless. It is for that reason that we use platinum-coated titanium instead of stainless steel, which is used in some low-price units. The cleaning of the electrodes is accomplished by reversing the polarity. This, in effect, causes the electrodes to repel those minerals (calcium, potassium, magnesium) that were attracted during normal processing. Older units performed this function after the unit was turned off (no water running through it) and then only for a few seconds. This technique causes excess minerals, primarily calcium carbonate, to be dumped off into the electrolysis chamber. This can result in "packing" of the chamber in hard water areas. The chamber eventually will plug up necessitating a return trip to the manufacturer/importer who will attempt to dissolve these deposits by forcing vinegar through the unit. The Akai Water Ionizer has a unique, patented process that eliminates the above problem. The improved cleaning function is quite simple. It involves reversing the polarity of the electrodes, with the water running through it, BEFORE you use the unit each day. The result is acidic water coursing through the unit washing all surfaces that would normally come into contact with alkaline water. Also, once a year, we suggest the use of our "CL" attachment. This goes on the unit in place of the filter and creates a citric acid solution, which soaks in the unit for one hour dissolving all deposits ---- another Akai Water Ionizer exclusive feature assuring you and your family

that your health and your investment in a premier water ionizer are safe.

Q: Is the Akai Water Ionizer difficult to install?

A: No, a small hose is attached to the tip of your kitchen tap via a diverter valve. This type of installation takes only minutes, may be easily moved, and will not "tie up" your sink. The unit can be wall-mounted or positioned on your counter. It will require an area 10.4 inches wide and 6.0 inches deep. (It cannot be mounted under the counter.)

Q: Can ionizers work with softened water?

A: By using either the calcium adding filter or the calcium and magnesium adding filter.

Q: What is the highest pH (alkaline) and the lowest pH (acidic) produced by the Akai Water Ionizer?

A: As with all water ionizers, this will depend on your input water. Generally, unless your water is acidic (below 7.0 pH) to begin with, our unit will provide a range from about 5.0 to 10.0 pH. We suggest you drink the water at about a 9.0 pH. Studies indicate this is the optimum pH for your drinking water.

Q: Is a portable unit available?

A: For portable water, you can safely bottle the water. The water will remain unchanged and retain its health benefits apart from the antioxidant which reduces to zero after 48hours.

Q: What is the warranty?

A: A one year warranty exists on parts and labour provided by High Tech Health.

Q: Is it available in 220/240 volts?

A: Yes, the Akai Water Ionizer is available in 220/240 volts for Australian and European installations. It is also CE marked indicating that its has passed stringent European Standards testing for electromagnetic pulse leakage. We are not aware of any other ionizer capable of passing such strict testing.

Q: In order of importance, what are the most important features to look for when buying a water ionizer?

A:

1. U.S. Underwriters Laboratory approval (or C.U.L. Canada or CE Europe)
2. The best filtration. At least .1 micron or below to eliminate the possibility of cryptosporidium or E. coli. If it doesn't come equipped with it, have the dealer add such a filter.
3. A superior cleaning process that is performed automatically with the water running through the unit.
4. A flow indicator or alarm that will alert you if you are running the water too fast or too slow resulting in an inconsistent pH.
5. Buy a "name" brand --- one which will be around when you need a new filter or require service.
6. Don't purchase based on price alone. You will be sorry later --- "the bitter taste of poor quality remains long after the sweetness of low price is forgotten."

Customer Testimonials

HIGH BLOOD PRESSURE, WEIGHT LOSS, COMPLEXION AND WOUND HEALING

"My husband David and I bought the Akai Water Ioniser MS900 in August 2004 after our 30th wedding anniversary. At the time of buying the MS900 my systolic blood pressure (BP) dangerously oscillated between 140-166. I inadvertently discovered with my doctor on one of her regular BP tests that my BP was now regularly 120/80. She was amazed when I explained about the ionised water. I have never been able to lose weight and was seriously worried that I was approaching 73kg. I am 5'2". The more ionised water that I drank, the healthier I felt. Recently, my doctor has weighed me 3 times in 3 weeks and my weight dropped to 70kg, losing 1 kg a week. Now, I weigh 65kg and am still going down. I have never considered myself a particularly glamorous soul, especially being 62 years old but almost every day now I am told "what beautiful skin you have!" I use alkaline water for cooking and drinking. I use the acid water for my pot plants (they have taken off). I also rinse my face in it (it enhances my complexion). I use it for wounds and have had a recent excellent healing of an open wound on my 17-hand thoroughbred mare's knee."

- C. Bowker, TAS