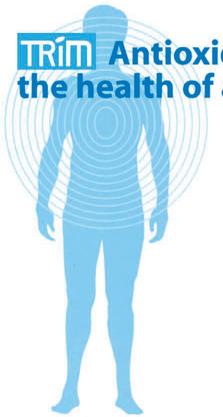
TRIM Antioxidant Water helps enhance the health of all people.



Today many people purchase mineral water because it tastes good. But times are changing. Water that simply tastes good is no longer enough—it should be good for your body cells as well. TRIM Antioxidant Water helps all people maintain their health in spite of the stress and environmental pollution they face in their everyday lives.

Oxygen radicals in your body can damage your health.

The oxygen we take into our lungs when we breathe is carried to every corner of our bodies and becomes a source of energy. However, as part of this process, "oxygen radicals" are produced. These oxygen radicals bond with unsaturated fatty acids to form lipid peroxides, which contribute to medical problems such as aging, cancer, and hardening of the arteries. It has been reported in recent years that oxygen radicals can even damage the DNA chain. In fact oxygen radicals are thought to cause most of the diseases that affect modern people.

TRIM Antioxidant Water eliminates oxygen radicals.

So how can you reduce the number of oxygen radicals in your body? Vitamin C is well known for its ability to eliminate oxygen radicals. However, in the process of removing the oxygen radicals the Vitamin C itself becomes oxidized, changing into a toxic substance. For this reason, taking excessive amounts of Vitamin C can actually be harmful to you. Fortunately there is something that will eliminate oxygen radicals in a way that is both safe and effective: Antioxidant Water

Tap water

Purified water

Filter

Residual chlorine, chlorine odor and mold odor removed

Healthy water

<Alkaline ionized water>

Electrolysis (Fired platinum electrodes)

Hydrogen produced

- Enhancing health
- Cleansing, beauty treatment

Water that can be used for medical purposes

<Antioxidant water>

Electrolysis (Platinum thick-coated titanium electrodes)

Active hydrogen produced

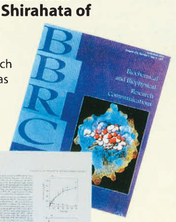
- Removal of free radicals
- Treatment of diabetes
- Treatment of atopic dermatitis
- Suppression of oxidative damage to DNA

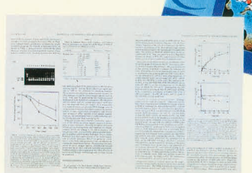
Protecting the world's water with advanced proprietary technology and international patents

International patents obtained by Nihon Trim

Research in Conjunction with Professor Sanetaka Shirahata of Kyushu University

Nihon TRIM has actively promoted many joint research projects. A report on one was published in the USA in the scientific journal BBRC.





Independent product manufacturing ensures high quality and efficient management.

Our products are manufactured by our subsidiary Trim Electronic Machinery, under the development and product management supervision of Nihon Trim. Located in the industrial area of Kochi Prefecture, the advanced production facility manufactures high-quality products that meet the strict standards set by the government for medical equipment. All our products, including the Trim Ion TI-9000, must meet Nihon Trim's rigorous inspection standards designed to ensure the highest level of reliability. By assigning production and sales functions to separate, independent companies Nihon Trim has succeeded in increasing the accountability of both while enhancing clarity and efficiency in management.

Main Specifications

- Certified as a medical device by the Ministry of Health, Labour and Welfare of the Japanese Government (manufacturer certification number: 21500BZZ00119000)
- Rated voltage: 200 VAC
- Rated frequency: 50/60 Hz
- Rated current: 3 A (5 A max.)
- Electrolysis voltage: 70 V (max.)
- Electrolysis tanks: 4 (8 cells)
- Electrodes: Platinum thick-coated titanium electrode
- Water intake and supply system: One-way
- Rated water treatment volume: 5.0 l antioxidant water/min. (max.), 5.0 l acidic water/min. (max.), 6.0 l purified water/min.(max.)
- Water intake pressure: 0.5–7.0 kg/cm2
- Unit weight: 5 kg
- Power cord length: 2 m
- Unit dimensions: 271 (W) x 367 (H) x 138 (D) mm
- Calcium lactate injector: Case injection system (Calcium lactate is a catalyst that enhances electrolysis.)
- Water cleaning cartridge service life: Sufficient for filtering residual chlorine from 12 tons of tap water. (Actual performance may differ somewhat depending on water quality, but the cartridge lasts about one year, assuming water usage of about 35 liters per day.)
- Electrolysis tank cleaning: Double auto-change cross-line system
- Power supply circuit: Switching regulator control system
- Protection circuits: 8-A fuse, constant current control circuit, anti-overheating device

Note: Specifications subject to changes without notice due to product improvements. Some details may differ from actual product.

Accessories

- Branch tap connector and adapters
- Water intake hose (1.5 m)
- Drain hose (single type) (1.5 m)
- Calcium lactate (30 g)
- Suction cup
- Wall mounting screws
- Phenolphthalein pH indicator fluid (10 cc)
- Hose fastening bands

Direct Tap Connection Continuous Antioxidant Water System

Trim Ion TI-9000

Regular Member, Japan Home Health Apparatus Industrial Association
A-Class Member, Association of Alkaline Ionized Water Apparatus
Member, Japan Hospital Association

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People, Life, Water

TRIM

NIHON TRIM CO., LTD.

Printed in Japan

People, Life, Water

TRIM

NIHON TRIM CO., LTD.

Antioxidant Water System

Trim Ion TI-9000

Water is the source of life.

More than 70% of our bodies is water.

Features of the Trim Ion TI-9000

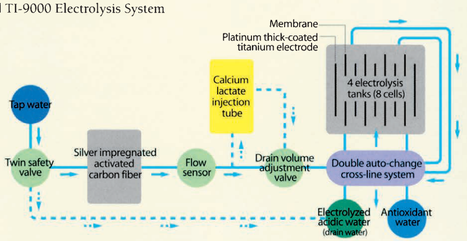
1 Double Auto-Change Cross-Line System

Antioxidant water is produced by using electrolysis. This is the same process used for metal plating, and as a result it always results in a film or scale forming on the electrodes. The better the electrolysis performance the greater the amount of scale. Eventually, as the scale accumulates, electrolysis performance deteriorates.

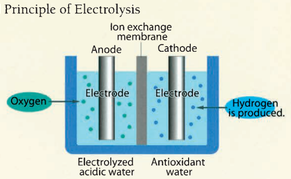
To prevent this problem the TI-9000 reverses the polarity of the electrodes each time a set volume of water has been treated. This causes the tank producing acidified water and the tank producing antioxidant (alkaline) water to be switched as well. The lines to the two tanks are then switched over by using a valve. This process eliminates the scale that has built up on the electrodes in the electrolysis tanks and ensures that plentiful antioxidant water can be produced over a long period of time.

This setup is called the double auto-change cross-line system. In the TI-9000 it is used in places to prevent problems arising from variations in water pressure and to provide more stable production of antioxidant water.

■ TI-9000 Electrolysis System



■ Principle of Electrolysis



Electrolysis is a process whereby an electric current is passed through water containing an electrolyte (a mineral ion, for example), causing oxidation and reduction reactions that would not otherwise have occurred. The water on the anode side is oxidized and the water on the cathode side is reduced, thus antioxidant water is produced.

2 Switching Regulator Control System

The quality of tap water varies depending on the time of year, water temperature, the region, and so on. In order to produce antioxidant water of the same quality, a constant electrical current must flow through the water in the electrolysis tanks. The Trim Ion TI-9000 is equipped with a switching regulator-control system that gives priority to setting the amperage and selects the appropriate voltage automatically. This makes it possible to produce antioxidant water of consistent quality, even though the quality of tap water may fluctuate.

3 Twin Safety Valves

To prevent hot water from flowing into the electrolysis tanks, the Trim Ion TI-9000 is equipped with a valve that uses a shape memory alloy to route hot water to a bypass system. In addition, it has a safety valve to prevent damage from excessively high tap-water pressure.

4 High-Capacity (12 Tons) Water Cleaning Cartridge

The large water cleaning cartridge measures 250 mm by 95 mm and lasts about one year, assuming an average family water usage of about 35 liters per day. (This service-life estimate assumes a concentration of residual chlorine in the untreated tap water of 2 ppm and a concentration of 0.4 ppm following filtering by the water cleaning cartridge.)

5 Replacement of Water Cleaning Cartridge Bleep and Lamp Indication (with Backup Function)

The water cleaning cartridge of the Trim Ion TI-9000 has a capacity of 12 tons of water. A flow volume meter in the unit keeps track of the amount of water that has been cleaned, and sounds a bleep and flashes an indicator lamp when the water cleaning cartridge needs replacing.

6 Multiple Tank Electrolysis System with Eight Cells

To achieve efficient electrolysis performance, a large amount of electricity per water unit volume must be used. The Trim Ion TI-9000 employs a multiple tank design with eight cells to maximize electrolysis efficiency.

Three kinds of water are selectable.

Water for Taking Medicine and Feeding Babies
Good for taking medicine, you can make purified, neutral water easily. Recommended for making babies' formula.

An Astringent for Daily Face Washing and Skin Care
Use electrolyzed acidic water as a face lotion. It can be used for skin refreshing and conditioning.

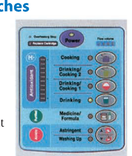
Gentle on Your Stomach
Effective in abnormal gastroenteric fermentation, gastro-hyperacidity, indigestion and chronic diarrhea, as well as effecting acid control, Antioxidant Water will not impose burdens on the stomach and intestines.

Cooking and Making Tea or Coffee
Antioxidant Water penetrates well, quickly boiling vegetables and other foods without allowing the flavor to escape. It also brings out the taste of the ingredients faster.

Water for Mixed Drinks
As this water contains few impurities, it won't affect the taste of the liquor you mix it with. Also great for making ice.

7 Waterproof Embossed Touch Switches

Since it is often used next to the sink, the Trim Ion TI-9000 has waterproof embossed touch switches to prevent damage from splashing.



8 Melody Sound Volume Adjustment Switch

A melody plays to inform you when the Trim Ion TI-9000 is making antioxidant water. The sound volume is adjustable.

9 Drain Volume Adjustment Valve

The Trim Ion TI-9000 lets you adjust the ratio of antioxidant water to drain water. This also makes it possible to adjust the concentration of the antioxidant water.

10 Maximum Production Volume of Eight Liters per Minute

The Trim Ion TI-9000 has an amply rated amperage of 5 A (maximum) and can produce up to eight liters of antioxidant water per minute.

11 Branch Tap Connector and Full Set of Adapters Included

The Trim Ion TI-9000 comes with a total of seven adapters, including a multi-adapter, so it can be connected easily to any type of faucet.

12 Overcurrent Protection

When electrolysis is performed on tap water containing large amounts of electrolyte, a very large current flow can result. The Trim Ion TI-9000 is designed to ensure that the electrical current remains constant.

13 Overheating Protection

When an electrolysis apparatus is used in regions where the tap water contains large amounts of electrolyte, overheating can result. The Trim Ion TI-9000 is equipped with an overheating protection device to prevent this.

14 Surge Absorber for Protection Against Lightning

The Trim Ion TI-9000 is protected against damage from lightning-induced power surges by a built-in protection circuit.