ALKALINE WATER IONIZER

EMCO TECH









Making our world healthier with passion and energy.



Your health and well being are key considerations when selecting the appropriate water ionizer





Your health and well being are key considerations when selecting a water conditioning device.

Why Choose Emco Tech?

Your health and well being are key considerations when selecting a water conditioning device. The manufacturer that stands behind these healthy water products is also very important. Emco Tech is the best selling water product brand in the world. Our quality is evident in our products and can be demonstrated by its high sales figures with a 25% average yearly growth. Emco Tech currently manufactures 13 water ionizer models and has also sold these and other healthy water products to more than 60 countries around the world. Everything we do starts with our vision: Helping people around the world live better through drinking purified alkaline water. We are dedicated to responding to our customers' expectations around the world and are honored to help improve their health with our healthy water products.

Our reputation is our best commodity. We expect our ethical conduct and high product standards to carry over into all parts of our business with creativity and passion. With 35 years behind us, we are confident that our business models are sound and our strategies are appropriate for international business. Maintaining high product standards is a value that Emco Tech has prized since its earliest beginnings in 1970. Throughout its years of health product experience, Emco Tech has built upon its creative past and has created a products that is are desirable and healthy.

EMCO TECH Alkaline Water Ionizers



Alkaline Water Ionizer

Emco Tech water ionizers are the most efficient ionizers available requiring less power, less plates, taking up less space and are guaranteed to outperform any other brand regardless of price or size





EMCO TECH Global Business



Creating Value for Customers, Challenging the Future

MANAGEMENT PHILOSOPHY

Emco Tech aims to contribute to our customers' well being worldwide through our innovative water conditioning technology.

We are guided by this vision of working with our international partners to improve people's health with our products.



We have developed a set of values that best describe how, as a company and as individuals, we behave.

Our culture and approach recognises and rewards contributions to the company at all levels. Our training and development programme means that promotion from within is the favoured management development route, resulting in a high calibre management team and ensuring continuity and consistency for our clients.

- To serve our customers through innovative and responsive solutions, taking advantage of our world leading technologies.
- To provide challenges and opportunities to our employees, channeling their skills and fostering their creativity and individuality.
- To identify the needs of the times and of the future and to use all of Emco Tech's resources to meet those needs by being versatile, responsive and dynamic.
- To work together with our employees and contribute to the communities in which we operate.
- To manage our business from an international, perspective and to develop a strong presence throughout the world.

• Integrity

Integrity is our foundation. We honour our commitments and base our relationships on trust.

Client Focus

We focus on solutions that add real value to our clients.

Quality

We aim to be the best at every aspect of what we do, and always strive to be even better.

Reliability

We produce accurate and detailed data that our clients can use with confidence.

Respect

We show respect for each other and our clients.

Honesty

We develop and value open, honest and lasting relationships.

Confidentiality

We respect the confidentiality of information we receive from our clients and partners. Creating Value for Customers, Challenging the Future

Laying the groundwork for future growth through improving risk management

Providing the means of realizing our global vision for growth with our core strength of managing risk in today's uncertain global economy.



Our workforce is unified in our pursuit of growth on the basis of trust and respect between all employees.

Outwardly improving our product and service value for our customers and shareholders while carrying out our corporate and social responsibilities.

Emco Tech contributes to your health through our convenient healthy water products. We are committed to improving our customers' health by providing them our top quality products.

Innovative	Relentlessly pursuing innovation in products, services, and the way we work.
Creative	Proposing original and practical plans that break the paradigm through out of the box thinking.
Sustainable	Creating sustainable growth for our organization through quick strategic thinking and continuous changes in response to fast changing business environments.
Passionate	Challenging ourselves to be the best in what we do by aggressively pursuing our vision with professionalism and responsibility.

Vision statement

We leverage our business insight and technological leadership to help customers with creative and professional services.

We pursue sustainable growth with trust, forged not only with our members, but business partners as well.

We are successful in the global marketplace because we are committed to creating value for our customers' success through our business and technological professionalism.

DEFY

CHALLENG

Emco Tech for a Healthy Life Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

Research & Development

R & D is The Key to The Emco Tech of Tomorrow.

Emco Tech is a global company that provides advanced products through its four core technologies of medical, water, air and environmental devices.

Emco believes our R&D is the key to tomorrow. The future of our business relies on new products, innovations and improvement to existing products. Comprehensive research and development efforts have lead to our best products. For example our water cell products which are made with some of the highest standards in the industry

Emco Tech will continue to leverage its comprehensive power to contribute to society by creating new value through advanced products.



Since its very inception, Emco Tech has continuously carried out research and development on advanced devices based on the firm conviction that "research and technical development provide the key to building the Emco Tech of tomorrow."

Three elements underlie the strength of Emco Tech research and development. First, we don't allow our basic research focus to be swayed by the tides of the times. Second, we have specialists in a wide variety of fields. And third, we have all of our specialists gathered together in a centralized organization—our Technology Center. Having such a centralized research and development organization makes it easier to fuse technologies for the creation of new technology. In addition, it also enables us to quickly apply technology created in one field to another.

Our comprehensive research and development power, with our Technology Center at the core, is Emco Tech 's greatest strength.





Understanding electrodes is to ionization what understanding the heart would be to health – everything! We drink alkaline ionized water for its healthy properties. The electrodes cause the ionization which deliver these benefits. Emco Tech's proprietary electrode technology sets the industry standard.

Emco Tech for a Healthy Life Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

QUALITY MANAGEMENT

Quality control is our highest priority. Its purpose is to maintain and increase market share through strict adherence to the principles of:



- Fully satisfying the demands and expectations of our customers.
- Making our products right the first time to attain zero defect products.
- Working as a team by listening to employee suggestions.
- Offering employee training and encouraging career exploration.
- Complying with established quality systems to improve product quality.

All of Emco Tech's products combine precision management of raw materials with quality control through production all the way to shipping.

We created a total quality management system which concentrates on customer satisfaction with high quality and service worldwide throughout the production cycle. We have grown into a top industrial water conditioning product manufacturer.

Quality assurance process P.D.C.A

The quality assurance process consists of four steps represented by P.D.C.A which are plan, do, check and action. Continuous and repetitive execution of these steps intensifies our competitive power further.



We shorten development time and improve quality through the application quality standards in each phase of manufacturing. We use a system of controls and monitoring techniques which utilize statistical production models in order to attain our ultimate goal of zero defects.





Emco is constantly working to improve our ability to make useful things. We deliver products that excel in both quality and value for the money.



Since it was founded, Emco Tech has undertaken a wide range of quality initiatives aimed at building strong customer loyalty. Emco does not simply make products - we make products that are a result of each employees dedication to them.

Ever mindful that the results of our work products will reach the hands of our customers, we always provide the best possible products and services based on our concept of total quality assurance.







Total Quality Assurance

Aiming to be a company worthy of ongoing customer trust, Emco Tech treats Total Quality Assurance with the greatest importance. At every stage from marketing, R&D and planning, to design, production, sales and delivery, we guarantee the highest quality, so that we can provide customers with reasonably priced products of consistent quality that meet safety and functionality standards and are delivered on time. Through quality-improvement measures like ISO-based quality audits, our own TPM activities, plant inspections by top management, and process management using IC tags, Emco Tech makes every effort to create "dedicated products."

Promotion of TPM Activities

Total Productive Maintenance (TPM) activities bring structural improvement and enhance competitiveness in terms of quality, cost, delivery, and other factors by altering the deployment of facilities and people in production systems to achieve zero production losses. Through TPM we design efficient production systems that eliminate or reduce irregularity and waste in the use of human resources, materials, facilities, and information.

In our own customized version of TPM implemented at all of our plants, we fuse industrial engineering activities with guality assurance based mainly on ISO series standards.

QC Control Process



Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

High Performance Emco Tech Electrodes

Mesh Platinum Titanium



Advanced High Performance Mesh Elecrodes

Understanding electrodes is to ionization what understanding the heart would be to health – everything! We drink alkaline ionized water for the healthy properties. The electrodes cause the ionization which deliver these benefits. Emco Tech's proprietary electrode technology sets the industry standard.

Proprietary Electroplating Technique Optimizes Ionization No Titanium Leaching Optimal Results Without the use of Corrosives

Our electrodes utilize a cutting edge mesh design, the most effective configuration for an ionizer. Each titanium electrode is charged and robotically sprayed with multiple coats of platinum from different angles. This technically advanced proprietary process was developed by Emco Tech to assure optimal consistency, uniformity and performance and durability. Our advanced electroplating process is optimal due to superior platinum adhesion, conductivity and increased surface area and optimized water flow dynamics for increased pH and ORP.

Electrode/Plate Composition

Titanium is the base material in every ionizer electrode/plate, because it has proven safe and effective. It is corrosion resistant, has the highest strength-to-weight ratio of any metal, is very durable, and demonstrates the ability to easily change polarity, which is critically important in the ionization process. Ionizer plated are coated with platinum because is has been determined to be the only entirely safe material for use in water ionizers.

Two distinct methods – Plating (dipping) and Coating - are employed to apply the platinum surface to the titanium plate:

Plating

Also known as Cladding or Dipping, plating is the process by which a titanium plate is submerged in a platinum solution. This is the most commonly used manufacturing process due to its cost efficiency.

Coating

Also known as Electroplating, coating is a technically advanced and proprietary process developed by Emco Tech Research & Development to achieve a higher degree of consistency and uniformity. A computer controlled robotic arm is used to apply the platinum, under pressure, multiple times and from different angles, which results in the most complete and even platinum coating.

Emco Tech Electrodes

Company 'A' Electrodes









Coated platinum

Dipping method

X 6000 (Cross section)

Emco Tech's proprietary electroplating process features technological advances and enhanced performance characteristics which affect overall ionizer function in the following ways:

- Superior platinum adhesion
- Superior conductivity
- Increased surface area; up to 3x the vertices as smooth "dipped" plates

Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

> MARC Cleaning System (Motor Automatic Reverse Cleaning System)

DARC Cleaning System

(Double Automatic Reverse Cleaning System)

Completely eliminate mineral scaling from the ever important electrodes increasing the life of your ionizer. It also means you never have to wait for a cleaning cycle to complete to get a drink.

Water Cell Durability

Alkaline, ionized water delivers profound benefits created through ionization. However, the ionizer's ability to create this alteration can become compromised over time.

Here is the situation: Water has minerals. Minerals will build up on t he electrodes through repeated exposure.

The electrode is the component in the ionizer which alters the quality of the water. Mineral build up or scaling essentially "coats" the electrode. A compromised electrode is limited in its ability to transform the water efficiently, resulting in a decrease in water quality and reduction in benefits.

All ionizers have cleaning systems, but all cleaning systems are not created equal. Before you buy an ionizer it is crucial you understand what type of cleaning cycle it employs. In fact it is one of the most important considerations because it determines how well your ionizer will perform over the long haul. Understanding the differences is easy.

Always Alkaline

line Always Alkaline



Most Advance Cleaning System

Revolutionary new patented DARC cleaning system

The revolutionary new patented DARC cleaning system eliminates mineral scaling - protecting your investment and ensuring many, many years of healthy water from your ionizer. The new cleaning system is 100% effective because it creates a true 1:1 acidic to alkaline cleaning ratio. The importance of this breakthrough cannot be understated.

DARC stands for Double Automatic Reverse Cleaning. The DARC system achieves the 100% effective 1:1 acidic to alkaline cleaning ratio by cleaning while you are making alkaline water - each and every time. They accomplish this by reversing the polarity every 20 seconds. Therefore if you run the DARC cell for 40 seconds you get 20 seconds of one polarity and then 20 seconds of reversed polarity. You also never have to wait for or even think about your cleaning cycle. The revolutionary patented DARC Cleaning System is a standard feature on the latest models.

Advanced Technology



Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

High Performance Biostone Filter



Activated Carbon



Coconut tree based activated carbon used to make water taste better by eliminating organic compounds, bad smells and flavors as well as foreign substances at the 18-50 mesh size.

Calcium

Slightly increases the alkaline mineral content in your water and improves the taste of water and removes odors. It also eliminates chlorine

Biostone



Tourmaline emits Far Infra Red(FIR) energy naturally. FIR produces well documented health benefits and it also has an amazing effect on water. The Biostone contains the semi-precious gemstone tourmaline in ceramic form, so you get FIR on tap!



Filters large particulate matter out of the water.



UF(Ultra Fine) Filter

Hollow heavy duty fiber with pores that will effectively filter down to 0.01M in size, removing bacteria and other micro-organisms.

High Performace Filter System

Essential and necessary to ensure your water is safe The BioStone Filtration System 00



Emco Tech's revolutionary BioStone Filtration System

Ionizers are designed to deliver two things: clean and healthy water. Proper filtration is critically important to achieving both. While all ionizers employ a filter to clean the water; all filters are not created equal. Most ionizer filters available today feature three to five stages and employ only granulated activated charcoal (GAC) together with some form of calcium.

Emco Tech's revolutionary BioStone Filtration System employs 9 stages of filtering media to clean the water and prepare it for ionization, making it the finest and most effective filtration available in any ionizer. The BioStone employs Silver impregnated GAC, calcium, tourmaline (in the form of BioCeramic beads that slightly alter the electrical properties, even before ionization) and a fiber mesh system. These nine stages add up to an unmatched delivery system for clean and healthy water.



MAVELLO/NEPTUNE is specially designed and directed towards those who are looking for a Health Enhancing Water system with the finest design and latest features.

FEATURES

- Smart Water Ionizing controlled automatically by the Micom onboard computer.
- Reduced mineral deposits by use of platinum titanium electrode.
- Warning melody for each operational stage.
- Alarm signal in case of low water pressure.
- Exact calculation of filter durability with water pressure sensor system.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
- Optional hollow filter membrane.
- Easy filter replacement.

High Performance Water Cell

The MAVELLO uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. MAVELLO's electrodes are made of solid ittanium, one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliabilty power

Mavello employs transformer technology for its stability and reliability during ionization.



Automatic Electrode Cleaning Mechanism

In-built self cleaning mechanism automatically detects and monitors usage and triggers regular maintenance of the electrodes via self-cleaning.



User-friendly Control Panel and Display

Clear options and simple display allows for easy selection of types and level of water, while providing customers with important information such as filter usage, ionization process and warning indication.



Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Digital LED Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.

Model	JP-101 (Mavello/Neptune)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	225*130*340(mm)
Nater inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND

PIONEER & LEADER IN THE WORLD MARKET SINCE 1970



MIRACLE is specially designed and directed towards those who are looking for a Health Enhancing Water system with the finest design and latest features.

FEATURES

- Smart Water Ionizing controlled automatically by the Micom onboard computer.
- Reduced mineral deposits by use of platinum titanium electrode.
- · Warning melody for each operational stage.
- Alarm signal in case of low water pressure.
- Exact calculation of filter durability with water pressure sensor system.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
- Optional hollow filter membrane.
- Easy filter replacement.

High Performance Water Cell

The Miracle uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. Miracle's electrodes are made of solid titanium, one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

Miracle employs transformer technology for its stability and reliability during ionization.

Automatic Electrode Cleaning Mechanism In-built self cleaning mechanism automatically detects and monitors usage and triggers regular maintenance of the electrodes via self-cleaning.

User-friendly Control Panel and Display

Clear options and simple display allows for easy selection of types and level of water, while providing customers with important information such as filter usage, ionization process and warning indication.



Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Digital LED Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.



Flow Control Knob

This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time the water has to be altered by the ionization process.

Model	JP-102 (Miracle)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	265*146*328(mm)
Vater inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND

Emco Tech for a Healthy Life Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well. Your Life-Enhancer! • Flow Control Knob ABGENTUM Full automatic cleaning system

Cleaner is Healthier

• High Performance MARC Water Cell • Platinum Titanium Electrode Plate Stability and reliability power Full automatic cleaning system Advanced Computerized PCB O Digital FND Filter Life Indicator

High Performance MARC Water Cell

The JP103 uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JP103's electrodes are made of solid titanium, one of the toughest yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP103 employs transformer technology for its stability and reliability during ionization.



Automatic Electrode Cleaning Mechanism

We realize it is inconvenient to not be able to use your water ionizer while in it's clean cycle. Our new patented reversible chamber allows for an automatic water flow regulation so that you can always enjoy alkaline water even while your ionizer is cleaning. (USA / KOREA PATENTED)



User-friendly Control Panel and Display

Clear options and simple display allows for easy selection of types and level of water, while providing customers with important information such as filter usage, ionization process and warning indication.

Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Digital LED Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.



This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time

SPECIFICATIONS

Model	JP-103 (Argentum)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	265*146*328(mm)
Vater inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND

ARGENTUM is specially designed and directed towards those who are looking for a Health Enhancing Water system with the finest design and latest features.

FEATURES

- The activated silver coated carbon filter makes water taste great.
- Smart Water Ionizing controlled automatically by the Micom onboard computer. Reduced mineral deposits by use of platinum titanium coated electrodes.
- · Alarm signal in case of low water pressure.
- An alarm sounds and the ionizer is disabled in case of hot water inflow. Exact calculation of filter life with a water flow.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
- Optional hollow filter membrane.
- Flux control and on-off valve on the device body, rendering exterior valve unnecessary.
- · Automatic flow reversal cleaning system.
- · Silver coated active carbon filtration.
- Easy filter replacement.

the water has to be altered by the ionization process.



- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium electrodes
- Proven Durability automatic post use cleaning
- Dependability backed by the certainty of Emco Tech
- Full LCD control panel

- The activated silver coated carbon filter makes water taste great.
- Smart Water Ionizing controlled automatically by the Micom onboard computer.
- Reduced mineral deposits by use of platinum titanium coated electrodes.
- Alarm signal in case of low water pressure.
- An alarm sounds and the ionizer is disabled in case of hot water inflow.
- Exact calculation of filter life with a water flow.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
- Optional hollow filter membrane.
- Flux control and on-off valve on the device body, rendering exterior valve unnecessary.
- Automatic flow reversal cleaning system.
- Silver coated active carbon filtration.
- Easy filter replacement.



High Performance MARC Water Cell

The JP104 uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JP104's electrodes are made of solid titanium, one of the toughest yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP104 employs transformer technology for its stability and reliability during ionization.

Automatic Electrode Cleaning Mechanism

We realize it is inconvenient to not be able to use your water ionizer while in it's clean cycle. Our new patented reversible chamber allows for an automatic water flow regulation so that you can always enjoy alkaline water even while your ionizer is cleaning. (USA / KOREA PATENTED)



Clear options and simple display allows for easy selection of types and level of water, while providing customers with important information such as filter usage, ionization process and warning indication.



Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Digital LCD Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.



This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time the water has to be altered by the ionization process.

Model	JP-104 (Melody)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	265*140*321(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	LCD

Emco Tech for a Healthy Life Our reputation for ethical conduct, which guides our actions

and creates the cornerstone for our product creation, quides our business strategies as well.

Cleaner is Healthier

Experience the power of ionized water from Emco Tech Ionizer



• High Performance MARC Water Cel • Platinum Titanium Electrode Plate o Stability and reliability power • Full automatic cleaning system • Advanced Computerized PCB o Digital FND Filter Life Indicator 🥥

ROYAL

• Flow Control Knob



MARC Automatic Cleaning System (Motor Automatic Reversing Cleaning)

- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium electrodes
- Proven Durability automatic post use cleaning
- Dependability backed by the certainty of Emco Tech

FEATURES

- The activated silver coated carbon filter makes water taste great.
- Smart Water Ionizing controlled automatically by the Micom onboard computer.
- Reduced mineral deposits by use of platinum titanium coated electrodes.
- Alarm signal in case of low water pressure.
- An alarm sounds and the ionizer is disabled in case of hot water inflow.
- Exact calculation of filter life with a water flow.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
- Optional hollow filter membrane.
- Flux control and on-off valve on the device body, rendering exterior valve unnecessary.
- · Automatic flow reversal cleaning system.
- Silver coated active carbon filtration.
- · Easy filter replacement.



High Performance MARC Water Cell

The JP105 uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JP104's electrodes are made of solid titanium, one of the toughest yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP105 employs transformer technology for its stability and reliability during ionization.

Automatic Electrode Cleaning Mechanism

We realize it is inconvenient to not be able to use your water ionizer while in it's clean cycle. Our new patented reversible chamber allows for an automatic water flow regulation so that you can always enjoy alkaline water even while your ionizer is cleaning. (USA / KOREA PATENTED)



User-friendly Control Panel and Display

Clear options and simple display allows for easy selection of types and level of water, while providing customers with important information such as filter usage, ionization process and warning indication

Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Digital LED Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change vour filter.



Flow Control Knob

This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time the water has to be altered by the ionization process.

Model	JP-105 (Royal)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	265*140*321(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND



- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium electrodes
- Proven Durability automatic post use cleaning
- Dependability backed by the certainty of Emco Tech

- The activated silver coated carbon filter makes water taste great.
- Smart Water Ionizing controlled automatically by the Micom onboard computer.
- Reduced mineral deposits by use of platinum titanium coated electrodes.
- Alarm signal in case of low water pressure.
- An alarm sounds and the ionizer is disabled in case of hot water inflow.
- Exact calculation of filter life with a water flow.
- Extended range of pH selection and control.
- Has a high quality filter which removes most pollutants and microorganisms.
- Calcium may be added through an exterior opening, extending the range of pH selection.
 Ontional bollow filter markers.
- Optional hollow filter membrane.
- Flux control and on-off valve on the device body, rendering exterior valve unnecessary.
- Automatic flow reversal cleaning system.
- Silver coated active carbon filtration.
- Easy filter replacement.



The JP107 uses the latest and most advanced technology: 5 pieces of Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. Miracle's electrodes are made of solid titanium, one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP107 employs transformer technology for its stability and reliability during ionization.



Automatic Electrode Cleaning Mechanism In-built self cleaning mechanism automatically detects and monitors usage and triggers regular maintenance of the

monitors usage and triggers regular maintenance of the electrodes via self-cleaning.

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User-friendly Touch Control Panel and Display The Venus controls have been designed with the Western kitchen in mind. The new control panel is membrane sealed making it easy to clean. A gentle touch on the buttons is all that is needed to change any setting.



Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.



Digital LED Filter Life Indicator

The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.



Flow Control Knob

This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time the water has to be altered by the ionization process.

Model	JP-107 (Venus)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	245*130*330(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	LED



- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium Mesh electrodes
- Proven Durability DARC cleaning system
- The most elegant designs

- Automation controlled by advanced Micom circuit.
- Reduced mineral deposits using DARC system.
- Alarm message in case of low flux.
- Alarm message and ionization disabled during hot water inflow.
- Exact calculation of filter durability with Flux control.
- Extended range of pH selection and control.
- Filtration of diverse pollutants and microorganisms using high-guality filter.
- Calcium may be added through an exterior opening, extending the range of pH selection.(optional 0.01M hollow filter membrane)
- Flux control and inbuilt on-off valve, making exterior valve unnecessary
- Automatic flow reversal system.
- Elegant design.
- Silver coated active carbon filtration.
- Easy Filter Replacement.



High Performance DARC Water Cell

The JP108 uses the latest and most advanced technology: 5 pieces of Mesh Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JP108's electrodes are made of solid titanium. one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP108 employs transformer technology for its stability and reliability during ionization.

DARC-Double Automatic Reverse Cleaning system al

The electrodes are the crucial component in your ionizer. 10.00 All other units on the market clean by a simple reverse polarity which still allows some scale buildup. The Aquarius offers the patented new DARC (Double Automatic Reverse Cleaning) system. This new system will completely eliminate the mineral scaling from on the electrodes ensuring you will have many long



User-friendly Touch Control Panel and Display The Aquarius controls have been designed with the Western kitchen in mind. The new control panel is membrane sealed making it easy to clean. A gentle touch on the buttons is all that is needed to change any setting.



Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.

Digital LED Filter Life Indicator

years of healthy water.

The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change

vour filter



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Model	JP-108 (Aquarius)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	245*130*330(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	MESH Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND



- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium Mesh electrodes
- Proven Durability DARC cleaning system
- The most elegant designs

- Automation controlled by advanced Micom circuit.
- Reduced mineral deposits using DARC system.
- Alarm message in case of low flux.
- Alarm message and ionization disabled during hot water inflow.
- Exact calculation of filter durability with Flux control.
- Extended range of pH selection and control.
- Filtration of diverse pollutants and microorganisms using high-guality filter.
- Calcium may be added through an exterior opening, extending
- the range of pH selection.(optional 0.01M hollow filter membrane) Flux control and inbuilt on-off valve, making exterior valve unnecessary
- Automatic flow reversal system.
- Elegant design.
- Silver coated active carbon filtration. Easy Filter Replacement.

High Performance DARC Water Cell

The JP109 uses the latest and most advanced technology: 5 pieces of Mesh Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JP109's electrodes are made of solid titanium. one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JP109 employs transformer technology for its stability and reliability during ionization.

DARC-Double Automatic Reverse Cleaning system

a The electrodes are the crucial component in your ionizer. 10.00 All other units on the market clean by a simple reverse polarity which still allows some scale buildup. The Aquarius offers the patented new DARC (Double Automatic Reverse Cleaning) system. This new system will completely eliminate the mineral scaling from on the electrodes ensuring you will have many long years of healthy water.





The Orion controls have been designed with the Western kitchen in mind. The new control panel is membrane sealed making it easy to clean. A gentle touch on the buttons is all that is needed to change any setting.

Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.

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Digital LED Filter Life Indicator The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change vour filter



Extra Calcium Port

The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

SPECIFICATIONS

Model	JP-109 (Orion/Alphion)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	245*130*330(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	MESH Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	LED

5



ATHENA

Experience the power of ionized water from Emco Tech Ionizer

- Easy One Touch Button Controls
- Platinum Titanium Mesh Electrode Plate
- Advanced Computerized PCB
- DARC Cleaning system
- Dual Filtration system (Biostone Filter) • Top performance technology



Full automatic cleaning system DARC Automatic Cleaning System (Double Automatic Reversing Cleaning

- Clean water The Biostone Filtration System (Dual Filter)
- Proven Performer five platinum coated titanium Mesh electrodes
- Proven Durability DARC cleaning system
- The most elegant designs

FEATURES

- Automation controlled by advanced Micom circuit.
- Reduced mineral deposits using DARC system.
- Alarm message in case of low flux.
- Alarm message and ionization disabled during hot water inflow.
- Exact calculation of filter durability with Flux control. Extended range of pH selection and control.
- Filtration of diverse pollutants and microorganisms using high-guality filter.
- Calcium may be added through an exterior opening, extending
- the range of pH selection.(optional 0.01M hollow filter membrane)
- Flux control and inbuilt on-off valve, making exterior valve unnecessary
- Automatic flow reversal system.
- · Elegant design.
- Silver coated active carbon filtration.
- Easy Filter Replacement.
- Under sink installion possible using under sink conversion kit.

Cleaner is Healthier

High Performance DARC Water Cell

The JS205 uses the latest and most advanced technology: 5 pieces of Mesh Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. JS205's electrodes are made of solid titanium. one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



Stability and reliability power

JS205 employs transformer technology for its stability and reliability during ionization.

DARC-Double Automatic Reverse Cleaning system



The electrodes are the crucial component in your ionizer. All other units on the market clean by a simple reverse polarity which still allows some scale buildup. The Aquarius offers the patented new DARC (Double Automatic Reverse Cleaning) system. This new system will completely eliminate the mineral scaling from on the electrodes ensuring you will have many long years of healthy water.

User-friendly Control Panel and Display

The Athena controls have been designed with the Western kitchen in mind. The new control panel is membrane sealed making it easy to clean. A gentle touch on the buttons is all that is needed to change any setting.

Advanced Computerized PCB

Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal

Digital LED Filter Life Indicator



The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change your filter.



Extra Calcium Port The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium content for those who need it.

Flow Control Knob



This special feature has been, until now, only available on much more expensive ionizers. This enables you to control the flow of water easily on your ionizer which in turn affects the strength of the alkaline water and -ORP. The slower the water flow the more time the water has to be altered by the ionization process.

Model	JS-205 (Athena)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 7kg
Dimensions	320*150*330(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	MESH Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	FND



and creates the cornerstone for our product creation, quides our business strategies as well.



Full automatic cleaning system DARC Automatic Cleaning System (Double Automatic Reversing Cleaning)

- Clean water The Biostone Filtration System
- Proven Performer five platinum coated titanium Mesh electrodes
- Proven Durability DARC cleaning system
- The most elegant designs

FEATURES

- Automation controlled by advanced Micom circuit.
- Reduced mineral deposits using DARC system.
- Alarm message in case of low flux.
- Alarm message and ionization disabled during hot water inflow.
- Exact calculation of filter durability with Flux control.
- Extended range of pH selection and control.
- Filtration of diverse pollutants and microorganisms using high-guality filter.
- Calcium may be added through an exterior opening, extending
- the range of pH selection (optional 0.01M hollow filter membrane)
- Automatic flow reversal system.
- · Elegant design.
- Silver coated active carbon filtration.
- Easy Filter Replacement.



The Delphi uses the latest and most advanced technology: 5 pieces of Mesh Platinum-coated Titanium electrodes with a proprietary matting enhances processing efficiency while at the same time provides extreme resistance to mineral deposits. It is specially designed to drain off all excess water in the electrolysis chamber. Delphi's electrodes are made of solid titanium, one of the toughest - yet human-friendly - metals known. This provides the electrodes with longevity built to last at least 20 years. The titanium is coated with platinum for excellent, yet durable, conductivity.



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Stability and reliability power

Delphi employs transformer technology for its stability and reliability during ionization.

DARC-Double Automatic Reverse Cleaning system a

The electrodes are the crucial component in your ionizer. All other units on the market clean by a simple reverse polarity which still allows some scale buildup. The Delphi offers the patented new DARC (Double Automatic Reverse Cleaning) system. This new system will completely eliminate the mineral scaling from on the electrodes ensuring you will have many long years of healthy water.



User-friendly Touch Control Panel and Display The Delphi controls have been designed with the Western kitchen in mind. The new control panel is membrane sealed

making it easy to clean. A gentle touch on the buttons is all that is needed to change any setting.

Advanced Computerized PCB Hi-Tech Microcomputer (MICOM) system self diagnoses every function within the machine and can detect the pH and quality of any water source to ensure ionization is always optimal.

vour filter

Digital LED Filter Life Indicator The easy to read digital indicator gives you an approximate indication of remaining water filter life. Optimum performance is ensured by always changing your filter on time. In addition to the digital counter a new indicator light will flicker when your current filter life is up, remainding you to change



Extra Calcium Port The Calcium Port holder allows for extra Calcium to be added into the system to improve taste and increase ionized Calcium

SPECIFICATIONS

Model	IO-400U (Delphi)
Input Voltage	120V/60Hz, 220~240V/50Hz
Power Comsumption	110W
Weight	Approx 6.5kg
Dimensions	245*130*330(mm)
Water inflow pressure	1.5 lbs~11 lbs / 0.7~5kgf/cm
Water Temperature	41~86F
Alkaline settings	1-2-3-4
Electrode materials	MESH Platinum Titanium
Filter life	Approx 6 months(20liters / day)
Filter life indicator	LED

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Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

Alkaline, Ionized Water - the Essential Supplement

Water, The chemistry of life.

Whenever we attempt to determine whether there is life as we know it on Mars or other planets, scientists first seek to establish whether or not water is present. Why? Because life on earth totally depends on water.

A high percentage of living things, both plant and animal are found in water. All life on earth is thought to have arisen from water. The bodies of all living organisms are composed largely of water. About 70 to 90 percent of all organic matter is water.

The chemical reactions in all plants and animals that support life take place in a water medium. Water not only provides the medium to make these life sustaining reactions possible, but water itself is often an important reactant or product of these reactions. In short, the chemistry of life is water chemistry.



Why do we need to drink water



Water is the substance of life. Life cannot exist without water. We must constantly be adding fresh water to our body in order to keep it properly hydrated. The body is composed of 70 to 80% water. There is no more important thing we put in our body. This ratio must be maintained for good health. It is difficult for the body to get water from any other source other than plain fresh water itself.

Soft drinks and alcohol steal tremendous amounts of water from the body. However, even other beverages such as coffee, milk and juice require water from the body to be properly digested.

Drinking 5 glasses of water daily decreases the risk of colon cancer by 45%, the risk of breast cancer by 79%, and one is 50% less likely to develop bladder cancer. Water is essential for proper digestion, nutrient absorption and chemical reactions.

Water is essential for proper circulation in the body, and flexibility of the blood vessels.

It lubricates joints, eyeballs, nasal passages, and the intestines



Here are three reasons why. First of all ionized water is a powerful liquid antioxidant that is easily absorbed into the body and neutralizes free radicals. Free radical damage causes us to age faster, and is largely responsible for many diseases including cancer. Secondly. ionized water is alkaline water.

which maintains and balances our body PH (6.9–7.2) by creating an environment which deters bacteria, inflammation and disease. Lastly, the molecular structure is smaller than that of regular tap water. Tap water clusters contain 10~13 molecules opposed to the 5~6 molecules of ionized water. This small size allows more hydration and better detoxification.



Water helps remove toxins (acidic waste) from the body, in particular from the digestive tract. It removes wastes through the kidneys and helps solid waste pass through the intestines.

Water regulates your body's temperature, imagine a car running without water in the radiator.

It cools your body by evaporation from the skin and lungs, and it throws off heat when blood is circulated near the body's surface.

Consistent failure to drink enough water can lead to chronic cellular dehydration. This condition where the body's cells do not get hydrated enough leaving them in a weakened state, and vulnerable to disease processes.

Emco Tech for a Healthy Life Our reputation for ethical conduct, which guides our actions and creates the cornerstone for our product creation, guides our business strategies as well.

How an IONIZED WATER Unit works



The lonized Water unit, slightly taller and thicker than a large dictionary on end, is an electrical appliance connected to your kitchen water supply to perform electrolysis on tap water before you drink it or use it in the kitchen for cooking or cleaning. A special attachment re-directs tap water out of the faucet through a plastic hose into the lonized Water unit. Inside the lonized Water unit, the water is first filtered through activated charcoal. Next, the filtered water passes into an electrolysis chamber equipped with a platinum-coated titanium electrode where electrolysis takes place. Cations, positive ions, gather at the negative electrodes to create cathodic water (reduced water). Anions, negatively charged ions, gather at the positive electrode to make anodic water (oxidized water).



Through electrolysis, reduced water not only gains an excess amount of electrons (e-), but the cluster of H 2O seem to be reduced in size from about 10 to 13 molecules per cluster to 5 to 6 molecules per cluster.

The reduced water comes out of the faucet, and the oxidized water comes out of a separate hose leading into the sink. You can use the reduced water for drinking or cooking. The oxidation potential of the oxidized water makes it a good sterilizing agent, ideal for washing hands, cleaning food or kitchen utensils, and treating minor wounds.

What is pH?

On the pH scale, which ranges from 0 on the acidic end to 14 on the alkaline end, a solution is neutral if its pH is 7. At pH 7, water contains equal concentrations of H+ and OHions. Substances with a pH less than 7 are acidic because they contain a higher concentration of H+ ions. Substances with a pH higher than 7 are alkaline because they contain a higher concentration of OH- than H+. The pH scale is a log scale so a change of one pH unit means a tenfold change in the concentration of hydrogen ions.



Alkaline, lonized Water Drinking alkaline ionized water is the single most productive thing you can do for your health.

Ionized water is the product of mild electrolysis which takes place in the ionized water unit. The production of ionized water, its properties, and how it works in the human body are described in the next section. Ionized water is treated tap water that has been filtered and reformed to create reduced water with a large mass of electrons that can be donated to active oxygen in the body to block the oxidation of normal cells.

Redox Potential

Normal tap water, for example, with a pH of 7 is approximately neutral on the pH scale of 0 to 14. When measured with an ORP (oxidation potential) meter its redox potential is approximately +400 to +500 mV. Because it has a positive redox potential, it is apt to acquire electrons and oxidize other molecules. Reduced lonized Water, on the other hand, has a negative redox potential of approximately -250 to -350 mV. This means it has a large mass of electrons ready to donate to electron-thieving active oxygen.

Before discussing the properties of lonized Water further, let's take a look at what happens inside an lonized Water producing unit.

The lonized Water unit, slightly taller and thicker than a large dictionary on end, is an electrical appliance connected to your kitchen water supply to perform electrolysis on tap water before you drink it or use it in the kitchen for cooking or cleaning.

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Ionized Water is very Alkaline and helps balance the body's pH

The human body tends to be acidic because of our diet comprised of cooked foods, pasteurized or otherwise processed foods. Soft drinks are the most acid substance a person can put in their body. This acidic condition creates an ideal environment in our body for disease to thrive. For example, accumulated acid waste in the joints encourages inflammation and arthritis. Because it is very Alkaline, Ionized Water dissolves accumulated acid waste and returns the body to a balance. Keeping ourselves Alkaline is the first line of defense in fighting any disease.

Ionized Water is a Powerful Antioxidant

zer



Imagine having the ability to take normal tap water and turn it into an antioxidant with a NEGATIVE ORP (or charge), which retards the aging process. Put simply, a high or rising ORP causes oxidation and therefore aging. The negative ORP of lonized Water literally retards the aging process by counteracting this rising ORP. Ionized Water essentially renews us at a cellular level. This is as close as we can ever hope to get to a Fountain of Youth, as incredible as that may sound.

For instance, real fresh squeezed orange juice has a negative ORP of -250. Although we can only drink a few glasses of fresh orange juice in a day.

We can drink as much lonized Water as we wish to a day. Many people drink as much two gallons of lonized Water per day.

The features of Alkaline Ionized water



1) Small Clusters

Motility improves when the molecular cluster is smaller. Small clusters make it easier to dissolute and excrete waste matter within the body.

This fact is important because excess waste matter is the reason for aging and disease. Alkaline ionized water has small clusters with high motility and dissolute, so you excrete waste matter from the body rapidly.

2) Abundant Active Minerals

Many kinds of minerals canbe found in all animals, vegetables, and water.

A large variety of minerals are necessary for all life processes and keep our bodies functioning properly.; Mineral absorption - Activated form of minerals are much better absorbed in the body.

3) Good Restoration

• Controls saprogenic bacteria in organs and increases beneficial bacteria. There are about 100 kinds of bacteria, up to a trillion microorganisms living in the large intestine, and are classified as both beneficial and harmful depending on the bacteria species. Alkaline ionized water controls the saprogenic bacteria to prevent disease. Alkaline ionized water is the only water that can restore and help beneficial bacteria in the body.

• Eliminates active oxygen

Active oxygen is oxygen that easily bonds or combines with surrounding substances. Active oxygen is unstable and therefore has with fewer electrons. The active oxygen possesses higher oxidizing power, and is related directly to aging and disease.

4) Abundant Hexagonal Water

Water molecules consist of 13 ~ 15 molecules. Hexagonal water, water clustered with 6 water molecules, is the most stable and natural to the human body. One human body cell molecule is connected to about 70,000, 60~65% of them are hexagonal water molecules. The body favors this kind of water. The cell that suffers with diseases has less hexagonal water.

Ionized Water's other Antioxidant property which also provides the body with lots of oxygen



The other Antioxidant quality of Ionized Water is hydroxyl ions. These are oxygen molecules with an extra electron attached to them as are all antioxidants such as vitamins A, C and E. Hydroxyl ions scavenge for free radicals, which are unstable oxygen molecules that cause damage to us.

Once the hydroxyl antioxidant and free radical have canceled each other, the result is that the body is provided with lots of oxygen and therefore lots of energy.

Oxygen is one of the most exhausted nutrients in our body because of our diet and the Earth's oxygen-depleted environment today. Oxygen destroys cancer cells as well as bacteria and viruses invading the body. It carries away acid waste from body tissue. It is vital to human health, perhaps our most important nutrient. A glass of strong lonized Water first thing in the morning naturally helps you to wake up.

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and creates the cornerstone for our product creation,

guides our business strategies as well.

The Benefits of **Alkaline Water**

Why should we drink Alkaline ionized water?



Drinking alkaline ionized water every day the most effective than green juice. Especially, Pure ionized water is alkaline ionized mineral water. It has a ph level of over 8. It is very beneficial because it is easily absorbed in the body and enhances body metabolic rate and better body resistance. water ionizer separates various minerals in water into positive ion (alkaline) that is good for health or negative ion(acid) that is good for skin care. None of the items suggested activities above should be considered a cure for cancer and other geriatric diseases. but simply way to strengthen your body to fight the disease that has invaded it. Specially, it is maintaining various health function and curative properties and activating the unborn child in case of pregnant woman.



Some of the benefits of Alkaline Water

Improves hydration. Powerful source of antioxidants. It is highly oxygenated. Helps maintain the body's acidic/alkaline balance. Helps promote detoxification. Helps you absorb nutrients more efficiently. Ionized water makes fantastic tea and coffee - it also boils faster. Foods cooked with ionized water taste better and retain more nutrients.

How to use Alkaline Ionized Water

Drinking



drinking water. It will help to neutralize the acidity of the body and slightly alkalize the body. Alkalizing the body will help to ward off infections, cancer and other invaders to the naturally healthy state of the body. Alkaline ionized water also assists in the safe removal of toxins from the body. In addition to the health-benefits of alkalizing your body, the negative ORP [oxidation reduction potential] of alkaline ionized water will provide the body with lots of easily absorbable antioxidants. Anti-oxidants are important in order to prevent free-radical damage that would otherwise be caused by oxidation within the body. Directions: Start drinking at about an 8.5 pH and slowly work your way up to 9.5 pH. For best results. don't rush it.





Feel free to drink whatever level of ionized water you are drinking with taking your vitamins. Microclustered, ionized alkaline water will assist in the best and fastest absorption of vitamins into your body.

Cooking rice

Before getting rice cook: Wash RICE with ACIDIC water and Soak it in AKALINE water for 30-60 min. When the rice is completely cooked. It become cooked ion rice. That has a good polish just as cooked GLUTINOUS rice & maintaining its freshness for a long period of storage.

Coffee. Red tea

Remove bitterness of coffee and Giving fragrance to both coffee & tea.

Fresh meat & Astringent vegetables

Soak fresh meat & astringent vegetables in alkaline for 20-30 min To Remove the smell of fat

Wash vegetables & fruits

Wash vegetables & fruit with alkaline water for a long storage period

Handover

Alkaline water is good for hangovers, when taking it before going to sleep or when the stomach is empty in the morning.

Cocktail

When the stomach is empty on the morning. An ice cocktail in alkaline water makes your tast Softener & Smoother.

Cooking with Alkaline water

The burning pungency of bamboo shoots, tree sprout, taros & brown Seaweeds will be eliminated & their unique taste will be retained. Eliminate fishy smell when using alkaline water in cooking with fish.

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The Benefits of Acidic Water

Acidic water has an astringent and constricting effect on what it comes in contact with. For this reason, it will tighten and smooth your skin. It is particularly effective in the treatment and prevention of pimples and rashes.



Some of the benefits of Acidic Water

Can help kill harmful bacteria. Can help treat cuts, scrapes, blisters or rashes. Fantastic astringent for the skin and makes your hair feel great! Wash fruits, vegetables, meat and fish with it to kill bacteria. Helps treat fungal infections like athlete's foot. Gargle with acidic water to help relieve a sore throat or other mouth sores. Brush with it to help reduce plaque (then rinse with regular water afterwards). Many house plants love it (rain water is acidic) - It extends the life of cut flowers.

How to use Acidic Ionized Water

Skin and Hair

Acidic water at the 3 - 4 pH-level is perfect for neutralizing the skin and hair [which should be about 5.5 pH, but because of alkaline soaps and shampoos you use, the skin and hair are usually found to be way off-balanced].



Your acid mantle [outermost layer] of your skin is your body's first line of defense against bacterial, fungal or viral infections. It is important to maintain this acid mantle at about a 5.5 pH. However, because of the nature of soaps [soaps are typically a high alkaline pH in order to emulsify and flush away oils] the acid mantle is often left at too high of a pH after bathing or showering. The consequences of this is a breakdown of the acid mantle, drying out of the skin, and roughness caused by a build-up of alkaline minerals left on the skin. Rinsing with acid water helps to remove the residual alkaline minerals and restore your skin to its perfect 5.5 ph-level.

Hair Rinse

Shampoo is most often found at a high alkaline pH. A high pH solution applied to your hair will open up the hair cuticles [the cuticle is the outermost hair-layer surrounding each hair shaft], and expose it to becoming dry and damaged.



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Natural, Healthy Coolant

Acidic water can be placed in a spray bottle and brought with you to sports or other outdoor events in hot weather. When you set your bottle to mist, this has an air-conditioning effect of cooling off your body. It's healthier for you to use acid water at about a 5.5 pH in your mister, rather than regular tap water, because the goal of misting is to cool yourself, not change the pH of your skin. The proper pH of skin is about 5.5 pH.

Natural Laundry Softener

Add acid water to your final rinse cycle of any load of laundry. This removes residual alkaline minerals from the clothing, brightens up the colors, and softens the laundry naturally, without the use of chemicals.

Plants

Acid water at the pH levels of 5 - 7 pH is great for watering plants. Plants love the purified micro clustered water, and they also love the water to be slightly acidic. Flowering plants tend to like lower acidity than green shade-plants.

Germicidal Water

To kill germs it is best to use acid water at the pH level of 2.5 - 4. The lower the pH the faster the germs are killed, but even at a 4 pH, if you soak something for about a minute it will kill the germs on it. Laboratory testing has proven that exposure to acidic water at a 2.5 pH and lower kills germs on contact.



Thank you !



PIONEER & LEADER IN THE WORLD MARKET SINCE 1970