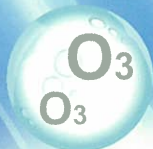




BIGWELL
INFECTION CONTROL



Hydro - Ozonizer

A Division of BES Group

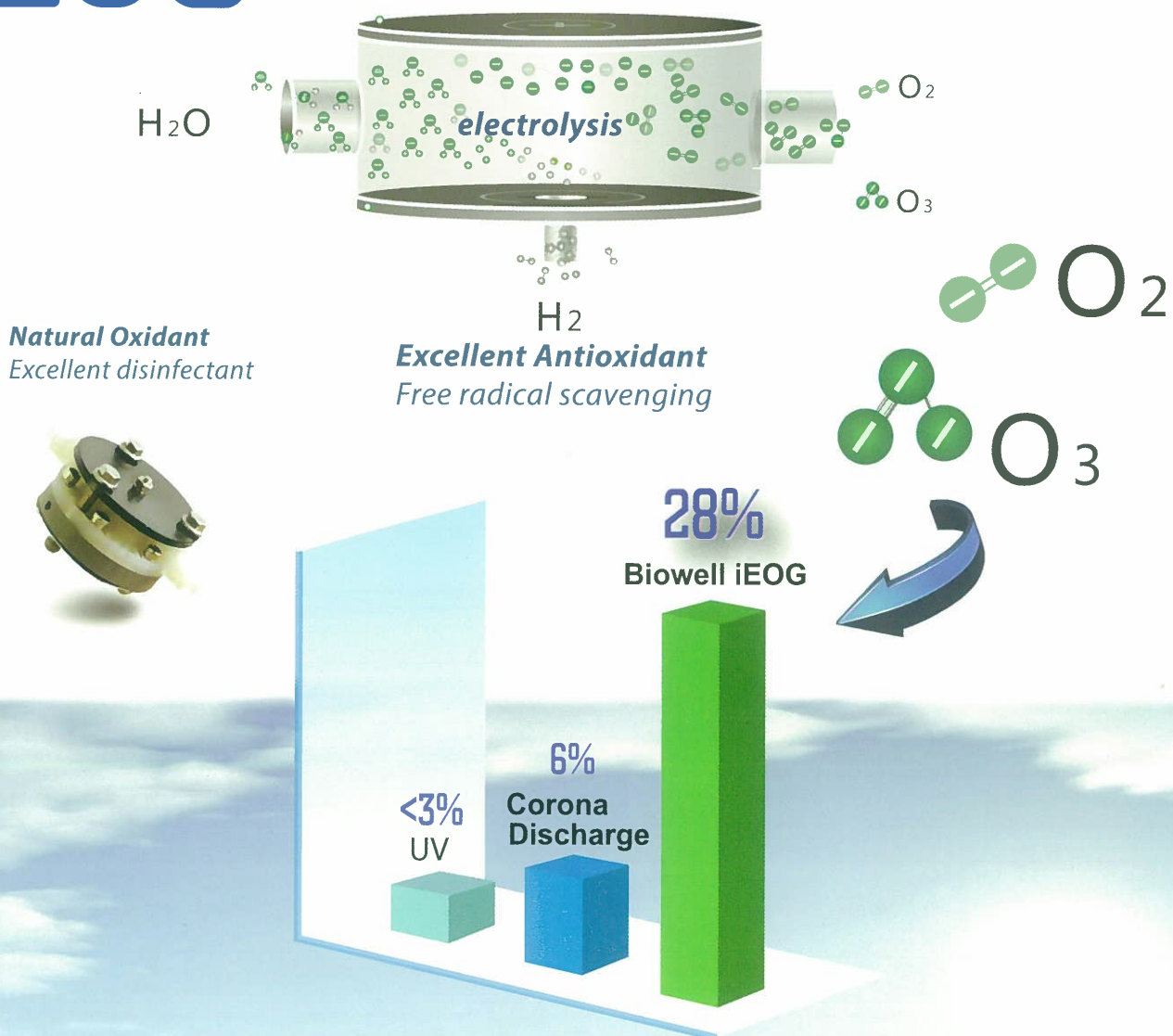
www.biowellozone.com

We Give You Certified Effective Water, Beyond Water Ionizer

Water is the origin of life. Do you know? After electrolytic restructuring, water (H_2O) becomes **Ozone (O_3)**, a strong oxidant, and **Hydrogen (H_2)**, an effective antioxidant. Make good use of them, they will dramatically improve your life !

Global patented, most advanced ozone / hydrogen generation technology—iEOG (indirect Electrode Ozone-Hydrogen Generator). Effectively dismantling water molecules and reorganize to environmentally friendly hydrogen and ozone.

iEOG

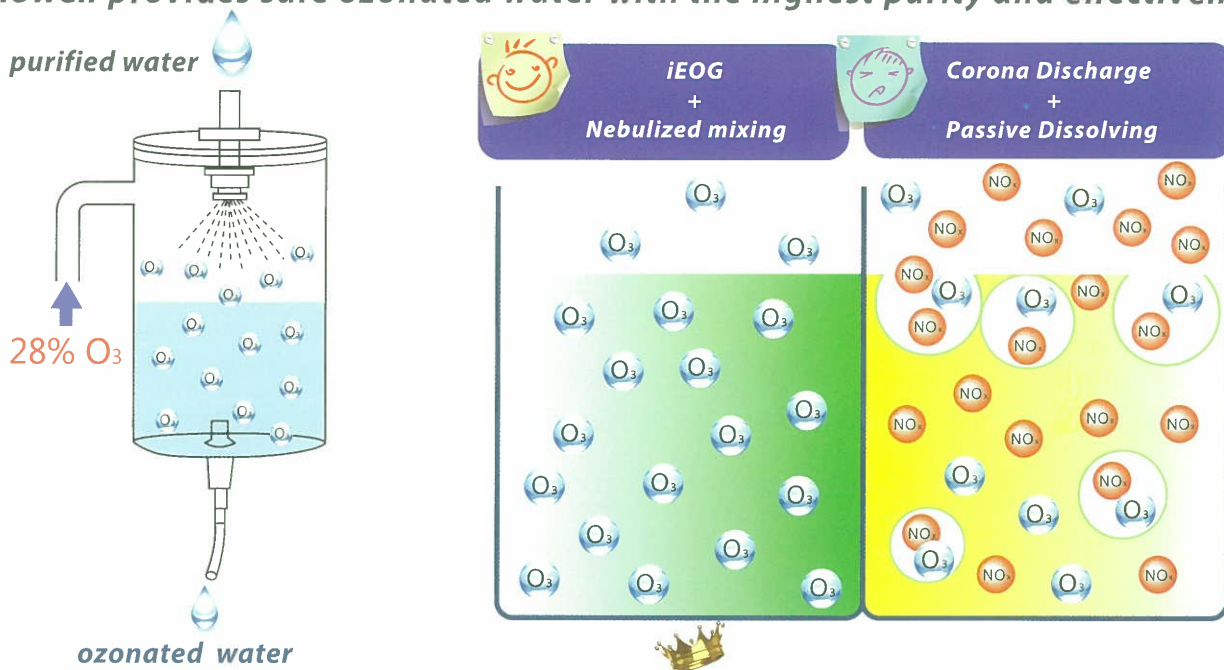


Why Is Biowell Ozonated Water Better?

Patented nebulized mixing technology, directly mix water mist and ozone in the dissolving tank

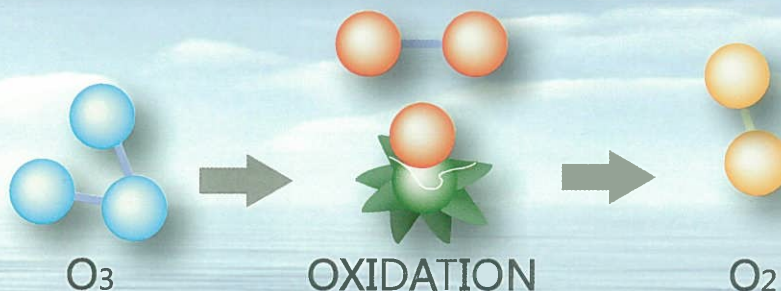
NOx interferes the dissolving of ozone. The iEOG is free of NOx, plus the nebulizer mixing technology maximize contact area for dissolving, together result in highest ozone concentration in water (~6 ppm). The increase of dissolving efficiency is **10~30 times higher.**

Biowell provides safe ozonated water with the highest purity and effectiveness!!



| | | |
|---------------|----------------|---|
| Concentration | high (~6ppm) | low (0.2ppm) |
| Hazardous NOx | no | Yes, and compete with ozone at dissolving |
| Voltage | low | high, dangerous |

Ozone is the strongest oxidant in nature, which is mainly formed from lightning or UV. Ozone reduces to oxygen after reaction, the half-life is approximately 20 minutes. The self-purification ability of the Mother Nature mainly relies on ozone!

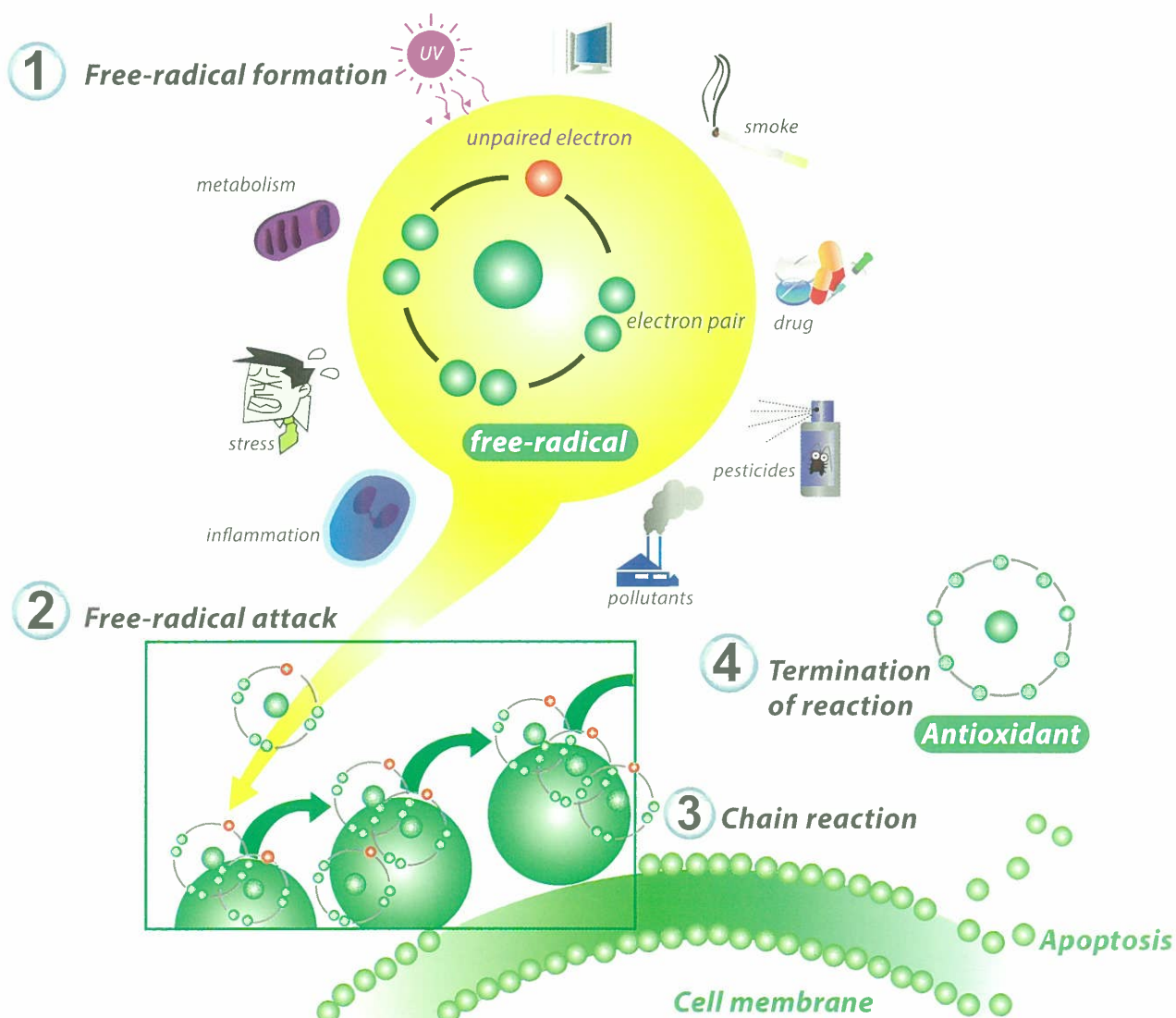


After sterilization, ozone reduces into oxygen, leaves no environmental burden.

Biowell Hydrogen Water—Excellent Antioxidant for Free Radical Scavenging!

All natural molecules require electron pairs to form stable molecular bonds, once any external factor forces the loss of an electron, the molecules with unpaired electron become free radicals. Radicals are very unstable, they need to attack other molecules by snatching electrons to make themselves stable, while the robbed molecules become free radicals, which trigger a series of chain reaction until they meet anti-oxidants to provide electron and terminate the reaction. This series of attack-and-snatch electronic process, often causes proteins, lipids, and cell damage, or even DNA defects. It usually exhibits apoptosis, inflammation, aging, or even cause serious illness. Many studies have demonstrated that aging, inflammation, cardiovascular disease, cancer, diabetes, Alzheimer's disease and certain autoimmune or eye diseases are related to free radicals.

How Antioxidants Work



Free-radical Related Diseases

| Organ | Disease |
|---------------------------|---|
| Circulation / Respiration | Myocardial infarction, arteriosclerosis, pneumonia, angina |
| Brain | Cerebral infarction, epilepsy, stroke, Parkinson's disease, autonomic disorders |
| Digestion | Gastritis, gastric ulcer, gastric cancer, chronic enteritis |
| Blood | Leukemia, septicemia, high cholesterol disease |
| Endocrine | Diabetes, adrenal metabolic disorders |
| Skin | Skin allergies, hypersensitivity to light |
| Eye | Cataracts, retinal |
| Cancer | Lung cancer, liver cancer, ovarian cancer, breast cancer,...etc. |
| Tissue | Rheumatoid arthritis, low immunity |



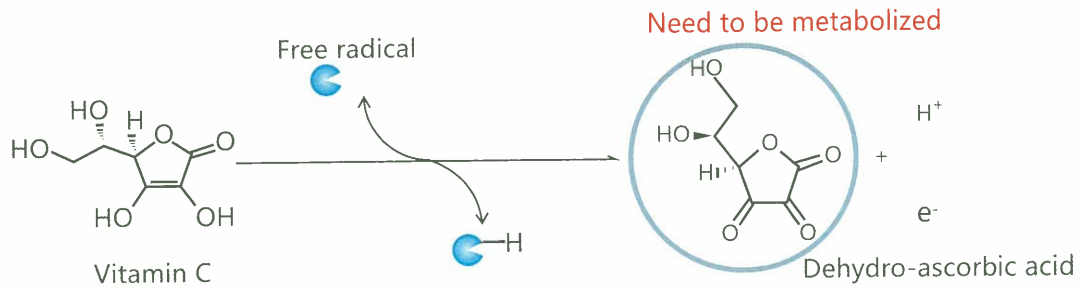
Antioxidants from food can help clear superoxides; our body also produce enzyme and antioxidants to balance oxidation and antioxidation. However, excessive antioxidant health supplement such as iron, vitamin A / C / E, and beta carotene, will overload the metabolism task of the body, and may even further stimulate the oxidation of tissue, lead to cell damage.

Check if you need to supply antioxidant ?

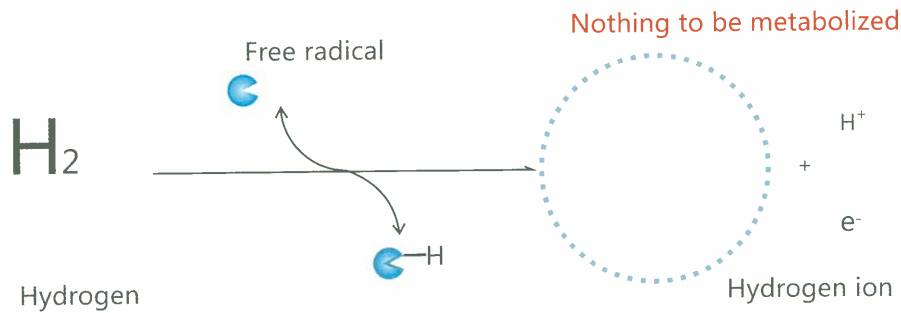
- ☐ Smoker
- ☐ Drink lots of alcohol
- ☐ Stay up late
- ☐ Under high pressure
- ☐ Long-term exposure of electronic equipment
- ☐ Undergoing chemotherapy
- ☐ Want to stay young & healthy
- ☐ Have poor sleep quality
- ☐ At sub-health state



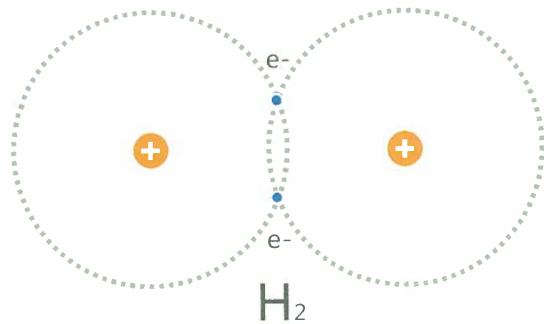
Comparison between Hydrogen and Vitamin C



The residual of vitamin C, dehydro-ascorbic acid, still needs to be metabolized



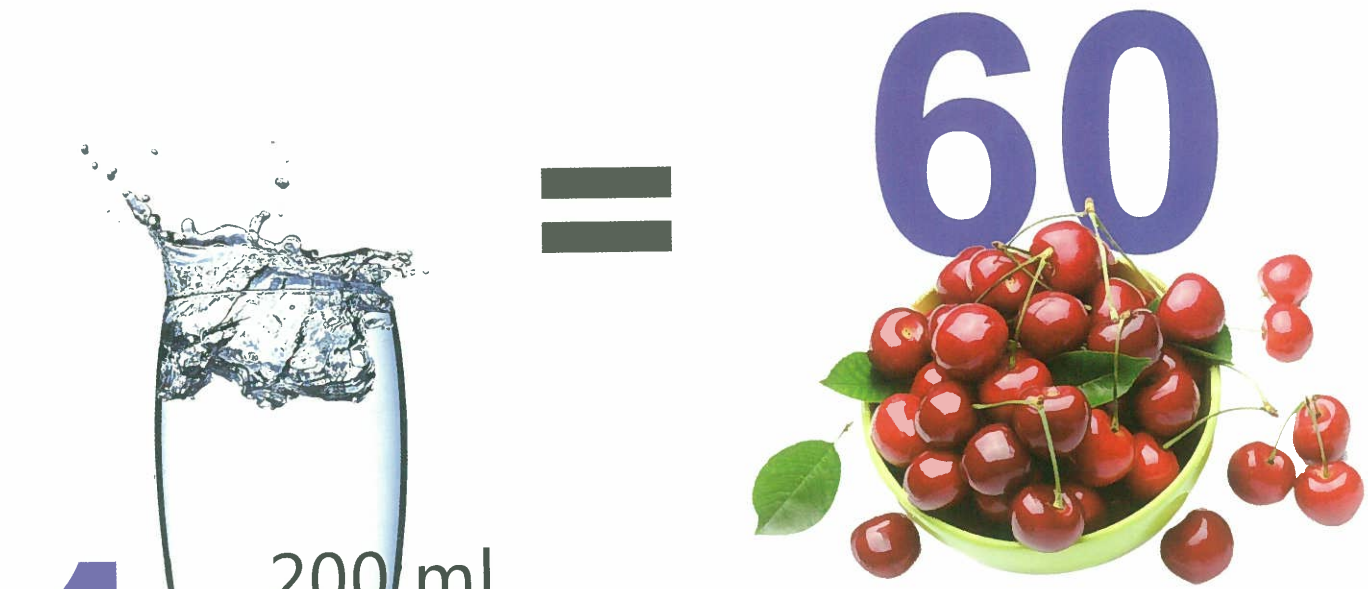
After the antioxidant effects of hydrogen, no residual substances left for body metabolism



Smallest Molecule, Best Antioxidant—

Hydrogen is the simplest, smallest, and lightest molecule in the world, also a good reducing agent. Compared to other antioxidants, it can easily cross the blood-brain barrier, and enter the nucleus and even mitochondria to do intracellular repair. In addition, no residue left for metabolism, therefore will not add any burden to the body.

Wow ! Biowell Hydrogen Water, Amazing Antioxidant!



glass

Biowell Hydrogen Water

West Indian Cherries



Lemons

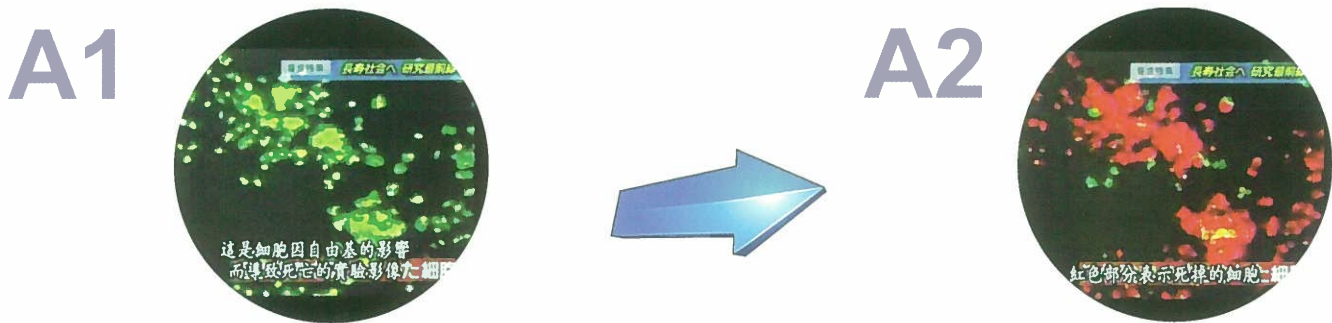
Biowell hydrogen water containing up to 1.2ppm of hydrogen, ORP=-600mV
A glass of 200ml Biowell hydrogen water equals to:
4.8g Vit.C or 100 Lemons or 60 West Indian Cherries in terms of the power of
clearing hydroxyl radicals, and totally burden free!!

**Hydrogen is easy to evaporate due to high temperature or wrong container.
Let's drink the freshest hydrogen water to get the best effect!**

Hydrogen Water—Secret of the Longevity Country

Hydrogen water is also called "hydrogen-rich water" or "reducing water". For years, Japan, the country with the reputation of "country of longevity", has done lots of research on hydrogen's anti-oxidation property on free-radical elimination. On a paper published on Nature Medicine in 2007, Professor Shigeo Ohta of Nippon Medical School has proved that hydrogen is an effective antioxidant to reduce cytotoxic oxygen radicals.

Typical Cells Damaged by ROS Free Radicals



Conclusion: Conclusion: Figure A1 shows the cellular damages caused by ROS free radicals, the cell death observed one hour later is shown in Figure A2.

Astounding Effect of Hydrogen in Hydrogen Water on Human Cells



Conclusion: Conclusion: Figure B1 shows the cell damages caused by the ROS free radicals, but the cells survived after an hour because of the presence of hydrogen, as shown in Figure B2.

Biowell Hydrogen Water Has All the Benefits You Need

Biowell hydrogen water uses nebulized mixing technology to mix hydrogen directly in purified water, keeps all the minerals you need without altering water's natural pH.

Biowell provides the highest hydrogen concentration (up to 1.2 ppm) without making pH or concentration of unnecessary magnesium ions too high. The "push-to-drink" feature helps you drink the freshest, and most economical hydrogen water to keep your body healthy!



| | Biowell | Water Ionizer | Mg Bar | Packed H ₂ Water |
|--|---------|---------------|--------|-----------------------------|
| pH Neutral | ✓ | ✗ | ✗ | ? |
| Free of micro-organism | ✓ | ? | ? | ✓ |
| Keep minerals in water for body | ✓ | ✗ | ✗ | ✗ |
| No additional metal ion to add kidney burden | ✓ | ✗ | ✗ | ✓ |
| Good Reduction Potential (ORP < -500mv) | ✓ | ✓ | ✗ | ✗ |
| Instant Supply | ✓ | ✓ | ✗ | ✓ |
| No waste of water | ✓ | ✗ | ✗ | ✗ |
| High hydrogen concentration (> 1 ppm) | ✓ | ? | ✗ | ✓ |

International Certificates



SOPHISTICATED HOUSEHOLD HEALTH APPLIANCE !

Product Specification

| Output Features | Hydrogen Water | Ozonated Water |
|-------------------------------------|--|--|
| Flow Capacity | 90 LPH (0.4 GPM) , 5 min | 180 LPH (0.8 GPM) 20sec & 5 min |
| Concentrations | 1.2 ppm @ 20 degree C | 6.0 (in 20s) / 6.0 ~ 1.0 (in 5 min), ppm |
| Oxidation Reduction Potential (ORP) | -518 ~ -558 | - |
| Apply Inflow Quality | pH: 6 ~ 8; Conductivity: $\leq 500 \mu\text{S}/\text{cm}^{**}$; Chlorine ≤ 0.1 ppm; Bacteria < 100 cfu | |
| Apply Power | 100 ~ 240 VAc / 60 ~ 50 Hz | |
| Power Consumption | In Use 60W / Stanby ≤ 30 W | |
| Dimension | 300(W) * 165(D) * 400(H) [mm] | |
| Net Weight | 7.5 kg (Around 9.5 kg when filled with water) | |

Duo Design

**First Model Generating Saturated
Hydrogen Water & Ozonated Water**

**Your Best Choice for
Health Promotion & Hygiene Sanitation**

1. Fuel-cell tech application-iEOG
2. Nebulized mixing-highest hydrogen / ozone concentration
3. Efficient ATS system—no need to wait
4. Retain minerals in water and pH neutral
5. World-leading automatic CIP
6. Safe off-gas system
7. Smart internal control
8. Sophisticated detection



www.besgroups.com



Welcome to visit our website to see the power of Biowell hydrogen water and ozonated water!!