



What you drink makes you different

KYK Higen2+/ K1
Hydrogen Water Generator
Premium Type



Characteristics of Hydrogen



- Excellent diffusibility with a smaller molecular weight compared to the general antioxidants
- Can reach locations with large concentrations of active oxygen

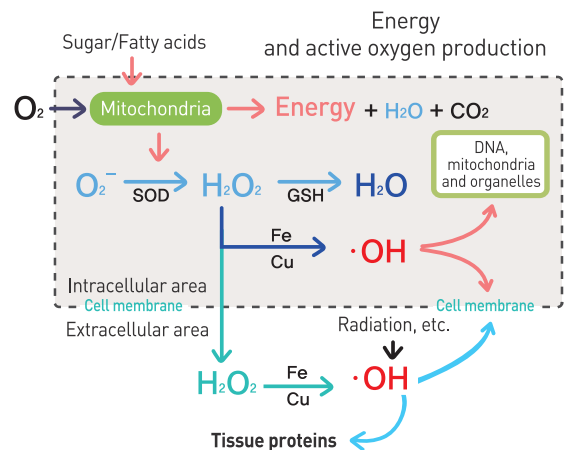
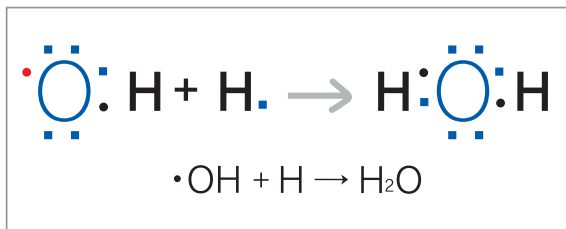


- Can pass through water- and fat-soluble barriers as it is highly permeable thanks to its small molecular weight



- Selectively eliminates radicals that are toxic to body cells

$\text{O} : \text{OH} \cdot$, ONOO^- , $\text{C}_{18}\text{H}_{31}\text{O}_4 \cdot$ etc.



- A safety source of energy that does not cause any air pollution
- Used to prevent decompression sickness among divers
- A safety food additive that has been listed in the MFDS Food Additives Codex

| Scientific Basis |



Nature Medicine, a world-renowned and prestigious scientific journal, published a paper regarding the "effective removal of active oxygen by hydrogen" by a research team headed by Professor Otashigeo of a medical school in Japan in June 2007. Since then, hydrogen has been drawing attention in the healthcare industry as an element that has excellent antioxidant properties and does not cause any side effects.

Publication of 300~400 papers on hydrogen in addition to "The Potential Cardioprotective Effects of Hydrogen in Irradiated Mice [J. Radial Res. [2010]]" by Qian et al.

FEATURES & BENEFITS

No ozone or unpleasant odour

A large LCD screen



**A special clearance membrane-type electrolytic cell system
incorporating advanced technologies**



Easy to Use Method

Dispenses weak hydrogen water, strong hydrogen water, purified water and disinfected and sterilised water

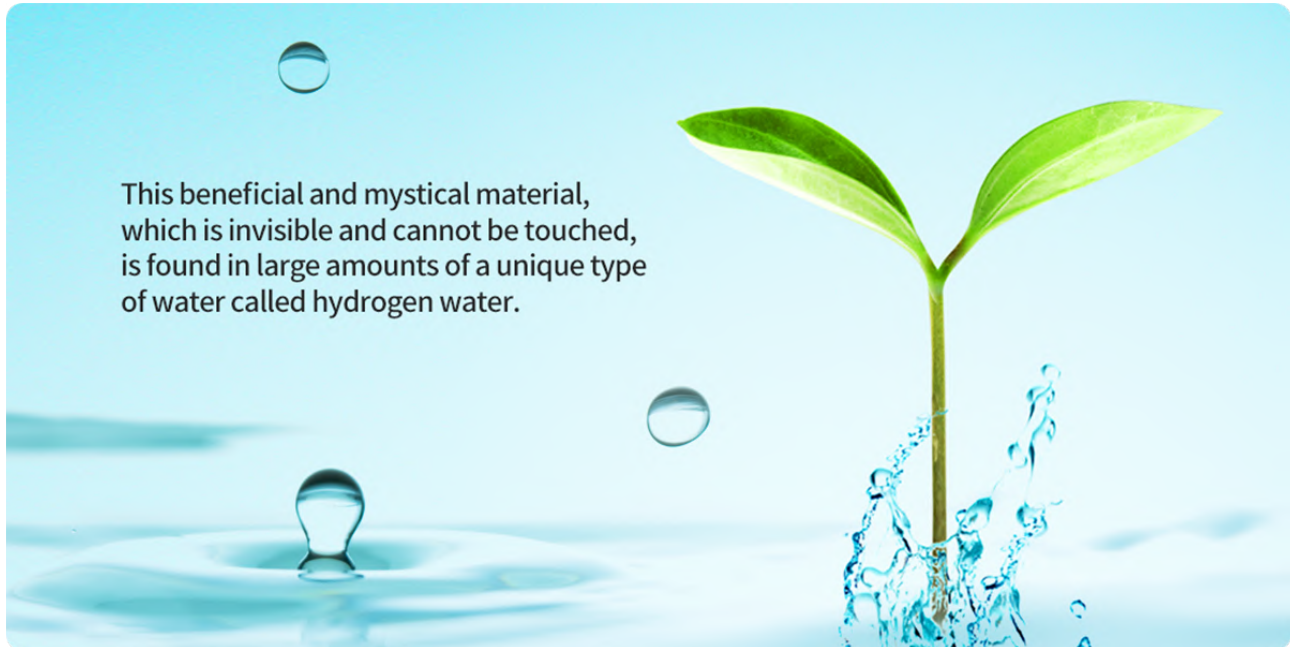


Audio message on/off function
New-concept high-performance touch system



Rich in minerals

Innovative technology that produces water containing up to 1,800 PPB of dissolved hydrogen



2 premium filters to ensure that the water tastes clean and pleasant

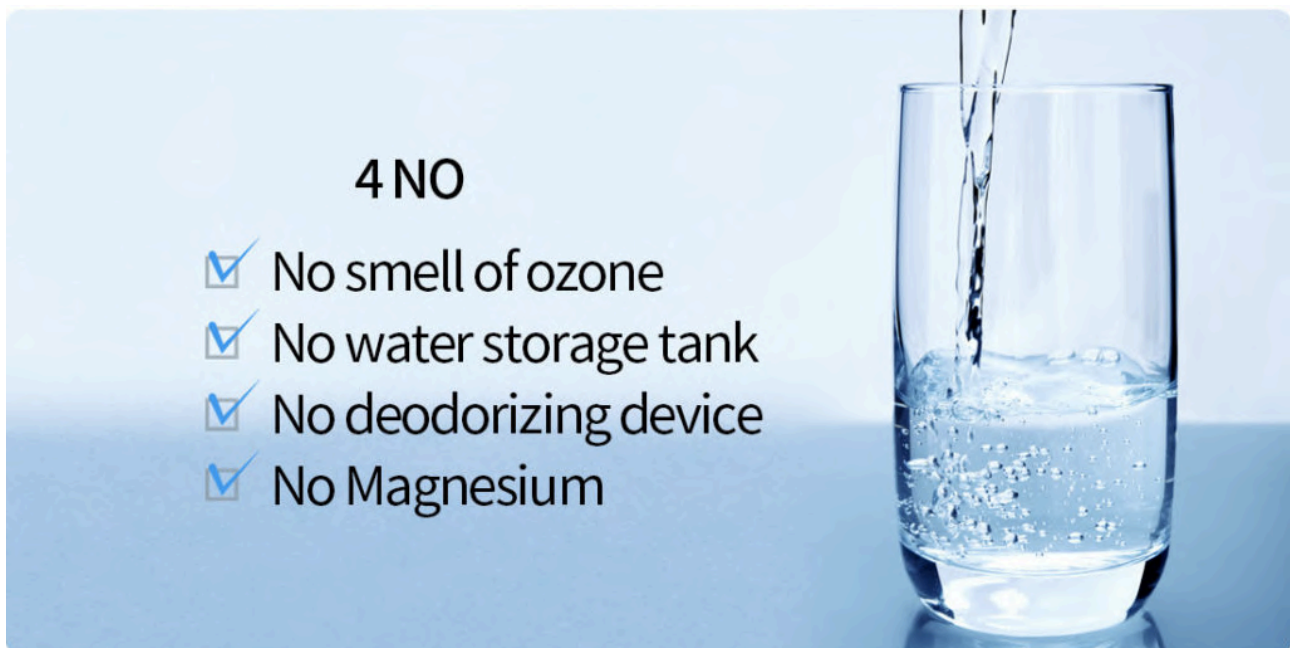


Automatic Cleansing and Water Drainage System of Stagnant Water from Filter and Electrolysis for more Sanitary

Auto Cleansing and Water Drainage System after Usage



A system for generating ozone-free, Mg-free high-quality hydrogen water with abundant minerals without water tanks on both poles based on patented technology for automatic water route switching



| S.No | Specification | Description/Details |
|------|------------------------------------|--------------------------------------------------------------------------------------|
| 1 | MRP | INR 2,25,000 (Inclusive of 18% GST) |
| 2 | Product | Hydrogen Water Generator |
| 3 | Model | KYK Higen2+/Higen2+ K1 |
| 4 | Size/Weight | 340 (W) X 340 (H) X 150 (D) mm; 6 Kgs |
| 5 | Manufacturing Company | KYK Co. Ltd. (440-407 Sangdaewon-Dong Joongwon-Gu, Sunghnam City, Kyunggi-Do, Korea) |
| 6 | Manufacturing No./Date | See the backside of product |
| 7 | Connection Type | Stationary/ Direct connection to tap water |
| 8 | Installation | Counter-Top/ Wall-Mounted |
| 9 | Water Dispensing Method | Tankless System / Touch Button / Fully Automatic |
| 10 | Rated Voltage | AC220V, 50Hz~60Hz |
| 11 | Chamber Body | Tritan™ Body (BPA free) |
| 12 | Proton Exchange Membrane | Nafion™ PEM (from US DuPont) |
| 13 | Ozone Separator | Patented KYK® Ozone Separator |
| 14 | e-cell | Solid-Hybrid Hydrogen Titanium Platinum Anode + Cathode |
| 15 | Cleaning | Automatic Pole Exchange Cleaning (APEC) after every use by Mycom™ |
| 16 | Purity of Plates | 99.99% (Vale, London) |
| 17 | Filter Control | Embedded filter chip to check consumption |
| 18 | ORP (mV) | Max.: - 820mV, Avg.: - 620mV |
| 19 | Electromagnetic Wave Certification | MSIP-REM-K72-kykhizen2plus |
| 20 | MSDS (Material Safety Data Sheet) | Available |
| 21 | Water purification filter | 13 layered simplex technology dual filtration 8,000/9,999 Litres; No time limit |
| 22 | Flow Rate | Continuous 1.2 L/m (or 2.4L/m~AWI) |
| 23 | Power consumption | 70 W |
| 24 | Water Levels | Hydrogen(H1)/Strong Hydrogen(H2)/Ozone/Purified |
| 25 | Hydrogen content | Max.: 1,800 ppb, Avg.: 1,475 ppb |

| | | |
|----|-------------------------------------|---------------------------------------------------------------------------------------|
| 26 | Hydrogen Generation Technology | Patented technology for generating high-quality mg-free and ozone-free hydrogen water |
| 27 | Water Wastage (%) | Zero |
| 28 | Chemicals/Salt | No |
| 29 | Electrical Safety Certification No. | XH070308-17002A |
| 30 | Certifications | Medical Grade: US FDA (3005720077), ISO 13485 (MK0000117), GMP, 100+ Certifications |
| 31 | Structure | FDA approved BPA-free grade plastic |
| 32 | Power Source Protector | Fuse |
| 33 | Over-Current/Temp. Detector | Automatically stops the output of electrolytic cell |
| 34 | Without Filter Option | Available |
| 35 | Colours | Silver with black stripe/window |

Differentiated Technology and Superior Competitiveness!

Key Characteristics of Hydrogen Water Generator

Hydrogen Water Generation Technology: KYK applies patented technology to generate high-quality hydrogen water, which is odorless, magnesium (Mg)-free and ozone-free, without requiring a water storage tank. Compared to the general hydrogen water generators, which add Mg to increase the hydrogen content or contain a water tank to supply the electrolytic cell with a sufficient amount of water, KYK's hydrogen water generators produce and dispense high-quality, Mg-free and ozone-free hydrogen water that has a high hydrogen content and tastes clean and pleasant, using the ion separation membrane and patented technology.

Devices without an ion separation membrane inside the electrolytic cell produce water that has an ozone smell and is harmful for the body, and this is why it is filtered through activated carbon. Such devices have complex structures, and they produce low-quality water.

There are also hydrogen water generators that do contain an ion separation membrane, but the outlet for ozone water is blocked completely, so these water come out by getting mixed in with the hydrogen water. KYK also offers products with 1, 2, 3, or 4 filters, as well as an embedded filter chip and control system to detect the amount of use, usage period, use of a similar filter, and reuse of a filter as a means to ensure safety and sanitation.

Certifications

Since 2013 in India | Since 1980 in South Korea

| | | | | | | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  | ISO 13485 Medical Device |  | 13 gold medals at international invention fairs in Germany and Switzerland, etc. |  | Gold Medal at the World Genius Competition in Japan |  | Asia LOHAS certification |
|  | Certified for conformance with Excellent Medical Device Manufacturing and Quality Management Standards |  | Korea's New Technology Product Frontier Award for 2 consecutive years |  | Grand Prix at International Innovative Design and Technical Products in Hong Kong |  | Certified as Good Design by the Korea Institute of Design Promotion under MOTIE |
|  | K+ certification from KITA (Genuine and Excellent Product Made in Korea) |  | The Grand Prize as Representative Product of Korea at IGWT Symposium |  | Approx. 130 patents registered with KIPO |  | Selected as e-Power 300 Companies by KOTRA |
|  | US FDA registration |  | Conformity certifications from the U.S. and Canada |  | CE marking (European Conformity) |  | U.S. FCC conformity certification |
|  | Conformity certification from Russia |  | Safety certification from Australia |  | Halal certification |  | Safety mark for electric products |
|  | Venture Company certification based on technology evaluation |  | Certified as MAINBiz for innovative management |  | Promising Exporting SME certification |  | Certified as Promising SME in Gyeonggi-do |
|  | Certified as Excellent Enterprise by SBC |  | Consumers' Choice Award for 4 consecutive years |  | Global Leader Prize (4 consecutive years) |  | Consumer Trusted Brand (2 consecutive years) |
|  | Minister of Health and Welfare Prize |  | Awarded from Minister of Environment |  | Awarded from Minister of Knowledge Economy |  | Puputy Prime Minister and Puputy Minister of Science and Technology Prize |
|  | Minister of Food and Drug Safety Prize |  | SMBA Commissioner's Commendation |  | Hidden Champion Prize from the Commissioner of KIPO |  | Export Tower on International Trade Day |