

## THE BENEFITS OF HYDRO-GEN FONTAINE PEM & INHALER

1. Using the Proton Exchange Membrane (PEM) Technology:
  - Produced pure hydrogen free of ozone and chlorine with a high hydrogen content reaching up to 1500 ppb consistently.
  - Equipped with Solid Polymer Electrolyte (SPE) that allows for the utilization of non-mineral water (distilled water / Reverse Osmosis), in exchange of ordinary mineral water.
2. Experience the positive benefits of hydrogen gas by inhalation (facilitated with inhalation connectors and nasal cannula/nose hose).
3. Equipped with bottle connector to use with packaged mineral water bottle.
4. Using certified Platinum-Titanium plates (Platinum from Johnson Matthey and Titanium from Shinso Corporation) which are the best plate for electrolysis process.
5. Internationally certified including quality and safety certification from US FDA, NSF, KTRI, SkyGreen from SK Korea Chemicals, BPA Free and LG Chem.
6. Equipped with voice features and volume settings with four language choices (English, Mandarin, Japanese and Korean).
7. Using durable lithium-polymer battery (rechargeable battery).
8. Water capacity up to 500 ml with hydrogen water production time of only 3 minutes.



Hydro-Gen Fontaine  
PEM & Inhaler  
Electrolysis Plates



Bottle Connector

Soak filter with mineral water for 3 days before first use

THE 1<sup>ST</sup>  
IN INDONESIA  
From  
LiveWell Global

LiveWell Global®  
Where the Best Life Starts Here

UP TO  
1500  
ppb  
of Hydrogen



Portable Hydrogen Water Generator & Inhaler  
With PEM Technology

HYDRO-GEN  
fontaine

PEM  
&  
INHALER



Johnson Matthey

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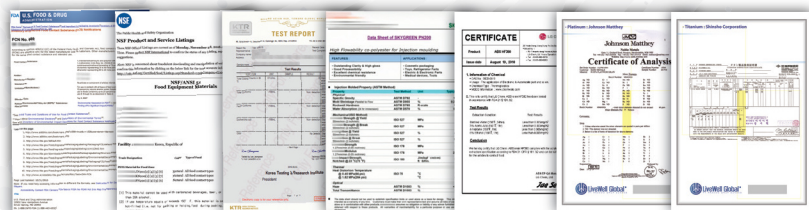
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Hydro-Gen Fontaine PEM & Inhaler Certificates:



U.S FDA

(Food & Drug  
Administration USA)

NSF

(National Sanitation  
Foundation)

KTRI

(Korea Testing &  
Research Institute)

SkyGreen

LG Chem

Johnson  
Matthey

Shinso  
Corporation

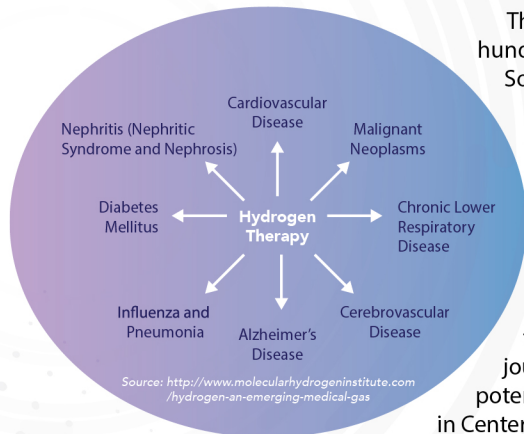
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## HYDRO-GEN FONTAINE WITH PEM TECHNOLOGY & HYDROGEN GAS INHALATOR

Hydro-Gen Fontaine PEM & Inhaler is a hydrogen water generator with PEM technology supported by a hydrogen gas inhalation method. PEM is currently the best technology that can consistently produce pure hydrogen water with high concentration level. The hydrogen produced reaches up to 1500 ppb (parts per billion, a unit of hydrogen concentration). This product is the first hydrogen water generator for inhalation in Indonesia.

## RESEARCH ON THE SAFETY AND BENEFITS OF HYDROGEN WATER



The utilization of hydrogen-rich water supported by hundreds of leading medical journal. Japanese and South Korean Health Departments have approved the use of hydrogen water since 1966 and 1978, and proved the safety for more than 50 years. Molecular Hydrogen Institute (MHI), revealed that hydrogen is proven beneficial on more than 170 diseases in almost all human organs supported by more than 1000 articles and scientific researches, involving more than 1600 international researchers. Dixon and the research team from Loma-Linda University reported in the journal Medical Gas research 2013 that hydrogen has potential to handle 8 of 10 major causes of death listed in Centers of Disease Control.

The scientific article in Journal Trend in Food Science & Technology 2012 shows that consuming 2 liters of hydrogen-rich water every day for two months, done by 411 diabetic patients in Japan and 115 patients in First Central Hospital in China, is proven helpful in adjusting blood sugar levels and HbA1c on 89% of patients. Even more, the total cholesterol level, LDL and HDL on 92% of the patients are improved. A clinical trial in Hiroshima University of Japan on 100 patients consuming two liters of hydrogen water every day for 10 months is proven in helping decrease fasting blood sugar levels, blood pressure, cholesterol, triglycerides, liver function, gout, as well as in creasing leptin levels (the hormone that functions to lower appetite). Besides having anti inflammatory, anti apoptotic, anti allergic, and anti metabolic effects, hydrogen is the best antioxidant to neutralize free radicals.



## RESEARCH AND BENEFITS ON HYDROGEN GAS INHALATION



Hydrogen gas inhalation has been studied in various diseases such as neurological, spinal, heart, kidney, lungs, fatty liver, skin, gastrointestinal tract, chronic illness (severe infections and shock), and many other diseases. This method makes hydrogen absorbed faster by the brain, nervous system, respiratory tract and circulatory system.

According to Professor Masaru Suzuki from Department of Emergency and Critical Care Medicine at Keio University Hospital in Japan, hydrogen gas inhalation can diffuse easily from lungs to blood vessels, and easier in penetrating the blood brain barrier. Hydrogen gas can also be diffused from the lungs to the hearts so it can be pumped throughout the body.

This inhalation method is very useful for patients who are not able to consume water in large quantities such as patients with heart disease, patients with kidney failure and regular dialysis, elderly patients, advanced cancer patients, unconscious critical patients, as well as terminal patients under intensive care who have difficulties in eating and drinking. Inhaling 2% of hydrogen gas in 30 minutes is equivalent to drinking 15 liters of hydrogen water with a concentration of 1000-1200 ppb; so that those who can not drink much can still be able to get adequate amounts of hydrogen. PEM technology allows the process of producing pure hydrogen gas with the highest content of 99,9% without having to be mixed with oxygen gas.



The potential for preventing diseases with the use of hydrogen gas inhalation is also very promising. A scientific study reported in Journal of Thoracic Disease 2018 entitled "Hydrogen Gas Inhalation Protects Against Cigarette Smoke-Induced COPD Development in mice" shows that hydrogen inhalation can inhibit the development of chronic lung disease due to smoking. "I think the potential on the use of hydrogen gas inhalation in the medical field is very broad and unlimited...", concluded by Prof. Masaru Suzuki.