



Recharge
Rejuvenate
Revitalise

Hydrogen Therapy

Welcome to the Future of Wellness!



Future-proof Your Family's Health

Contact us today to discuss the best options for YOU
+44(0)1743 718 324 / Hydrogen@HydroHolics.com



*Recharge
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Revitalise*

Revitalise your cells & body with:

Hydrogen Therapy

Hydrogen Therapy involves breathing in, or drinking, molecular hydrogen gas to reap its numerous health benefits. This gentle yet powerful therapy is growing in popularity worldwide for its ability to support overall health and vitality.



**Ultimate
Antioxidant**



**Powerful
Anti-Inflammatory**



**Neuro-Protective
Effects**



**Energy
Booster**

The Therapy

Inhaling or drinking greater amounts of this tiny miracle molecule, can quickly & safely create multiple, holistic effects:

- Increased Energy Levels
- Greater Mental Clarity
- Reduced Pain Levels
- More Restorative Sleep
- Reduced Cell Damage
- Improved Sense of Wellbeing



The Process

- ✓ Natural and non-invasive
- ✓ Backed by extensive research
- ✓ Versatile methods of use
- ✓ Easy & affordable maintenance
- ✓ No Medication Interference
- ✓ Free Specialist Health Support

For more information, email:
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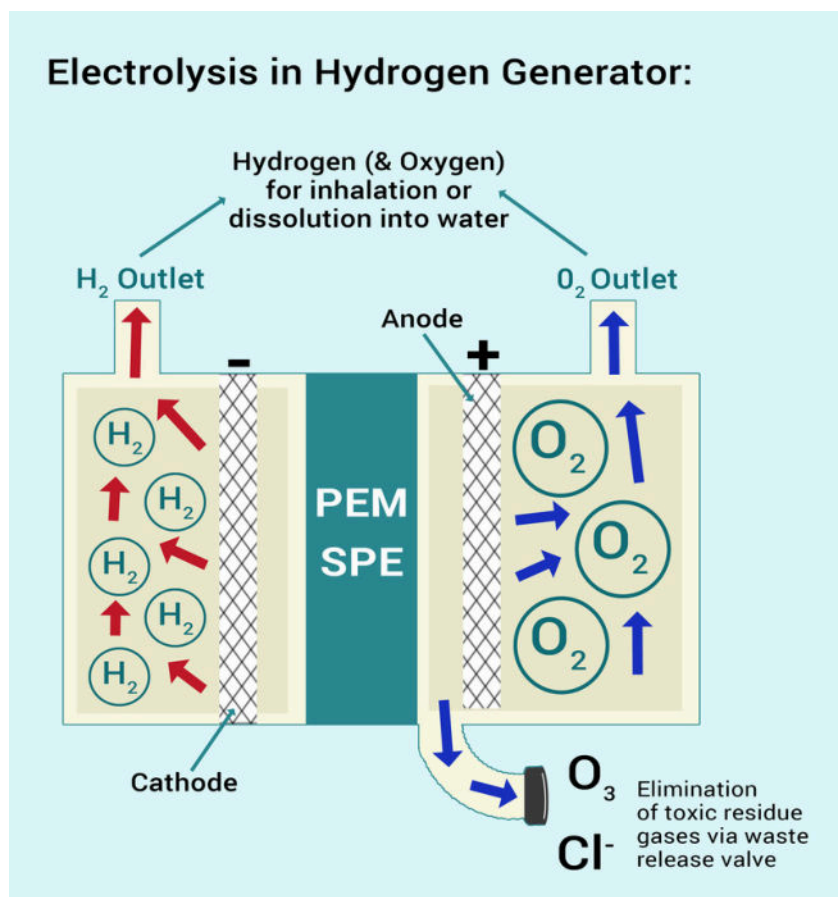


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How does it work?

Molecular Hydrogen used for Therapy, is produced via electrolysis. This is the process of 'splitting' water into its constituent Hydrogen (H_2) and Oxygen (O_2) parts, using an electric current. A specialised 'electrolysis' device is used, which passes an electric current through distilled (or other high purity) water, causing Hydrogen gas to collect at the negative electrode (cathode) and Oxygen gas to collect at the positive electrode (anode).

Cutting-edge Hydrogen Therapy devices incorporate advanced PEM (Proton Exchange Membrane) and SPE (Solid Polymer Electrolyte) technology to enhance the efficiency and purity of generated Hydrogen (and Oxygen in OxyHydrogen machines). These sophisticated membranes ensure that only Hydrogen reaches the outlet, while effectively separating and safely releasing contaminants and toxic gases like chlorine and ozone, which may be produced from impure water or impeded electrolysis.



The Molecular Hydrogen produced, is then inhaled by the user, transported to an ear or eye attachment (for local application), or dissolved in water to be drunk, as saturated or supersaturated Hydrogen Water.

It's crucial to note that PEM/SPE technology is integral to safe Hydrogen inhalers and water bottles. Always verify that your device includes this innovation to prevent inhaling or ingesting harmful chlorine or ozone gas (even small amounts ingested can be harmful). Instead, the (minute) amounts of these gases can safely be released into the atmosphere, via the waste release valve, where they will quickly disperse, causing no harm.



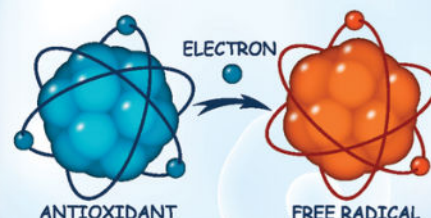
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Key Actions of Hydrogen Therapy in the Body:



Anti-Ageing Super Anti-Oxidant:

Molecular Hydrogen acts as a powerful, selective antioxidant, neutralising the most cell-damaging particles ('free radicals'), whilst sparing particles that are beneficial to the body. In this way, Hydrogen Therapy helps protect cells from damage, minimises the effects of ageing and reduces the risk of chronic disease.



Ultimate Detox & Cell Repair:

Hydrogen Therapy improves detoxification (removal of harmful substances from cells), throughout the body, by improving cellular hydration, increasing the action of enzymes important in detox process, and optimising cell repair. Efficient detoxification is essential for disease recovery and healthy longevity.



Powerful Anti-Inflammatory:

Chronic inflammation can be very damaging (and symptomatic) in the body. Molecular Hydrogen reduces chronic inflammation and balances the body's immune response. This makes it a particularly promising therapy for conditions where inflammation is key.



Anti-Allergy:

Molecular hydrogen acts as an anti-allergy agent by strengthening cells against substances that can cause allergies. Hydrogen Therapy also reduces release of body chemicals involved with allergy, thereby calming an allergic response.





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More Key Actions of Hydrogen Therapy in the Body:



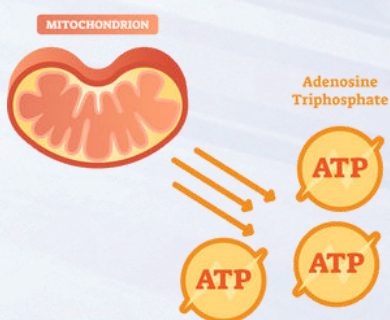
Brain-Protection:

Molecular hydrogen is the smallest molecule known to exist. So tiny, it can pass through the blood-brain barrier and exert protective effects directly on brain cells. These effects include calming inflammation, eliminating toxins and increasing cell energy levels. In addition, it's believed Hydrogen has a role in balancing important neurotransmitters such as serotonin and dopamine.



Control of Gene Expression:

Molecular hydrogen helps control how genes work, especially by modulating vital enzyme production and adjusting inflammation signals. This helps activate genes that protect cells, boosts antioxidants, calms inflammation, and makes cells stronger and more resilient.



Energy Boost:

Molecular Hydrogen increases energy (ATP) production in cells, by making the energy-production process more efficient. This optimisation leads to increased vitality, improved exercise performance, and greater overall endurance.



Gut Health Optimisation

Hydrogen Therapy increases numbers of the 'good bacteria' in the gut, whilst decreasing the 'bad bacteria'. Research has also shown how Molecular Hydrogen can enhance the gut lining, improving integrity of the barrier that prevents harmful substances from entering the bloodstream from the intestines; very significant for those dealing with 'leaky gut' and similar conditions.



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HydroMagic Max™

Advanced OxyHydrogen Therapy

Oxy-Hydrogen Inhalation Machine:

2 in 1 Function:

**Pure Hydrogen OR Oxy-Hydrogen
(66% Hydrogen, 33% Oxygen)**

Dimensions:

300 x 193 x 285mm

7.0kg weight

Portable unit

**Double distilled or
pure drinking water
only requirement**

**Multiple Safety
sensors for
Machine & User
Protection**

**Hydration rod included.
Generate Hydrogen-saturated
water in minutes.**

**H2 Output Flow
Rate Display**

**Hydrogen
purity: 99.99%**

Simple self-maintenance

Adjustable Flow Rate:

High Therapeutic Levels:

**Oxy-Hydrogen: 900ml/min,
1200ml/min, 1800ml/min
(Hydrogen alone: 600ml/min,
800ml/min, 1200ml/min)**

**Breathing Timer for
easy session duration**

**Water level display
and monitor**

**12 Months
Manufacturer's
Warranty**

**Advanced PEM/SPE Technology:
Ultra efficiency & Elimination of
waste gases (such as chlorine & ozone)**



*"My physical stamina has increased, I find it easier to fall asleep each night,
and I'm experiencing fewer Anxiety symptoms 🙌"*

Mrs C. R., Feb 2024

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HydroMagic Pro™

Advanced Hydrogen Water on-the go

**Most Advanced PEM/SPE
Dual Chamber NanoTechnology**

**Most Concentrated Hydrogen Water
available worldwide: 9000ppb**

**Safe BPA-free TRITAN material,
allowing safe high pressure for
maximum H₂ concentration**

**2 settings for convenience:
Supersaturated Water: 3 mins
Ultra Supersaturated Water:
18 mins**

**Portable 350ml
capacity**

**User-friendly
touch-screen**

Water ORP: -300mV to -750mV

Colourful light display during generation

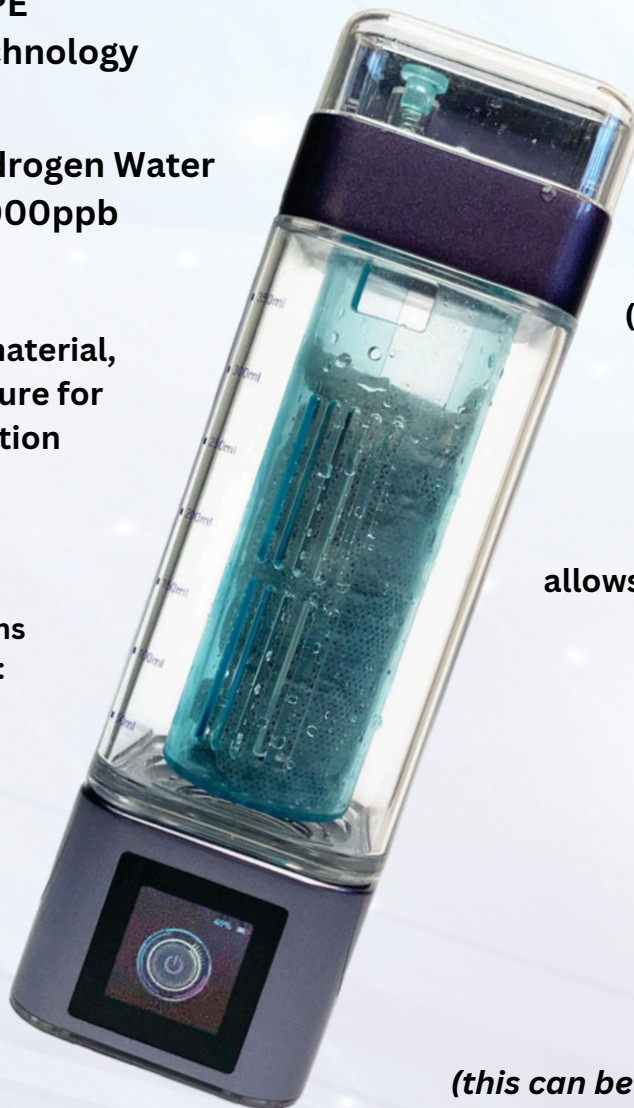
**Platinum coated Titanium
Electrodes; highest quality**

**Simple USB C charging
(cable included with bottle)**

**Silver-loading
Activated Carbon Filter :
allows use with any kind of water**

**Bonus Attachment for
Inhalation of H₂**

**99.99% pure H₂.
No Chlorine, NO Ozone,
No Hydrogen Peroxide
(this can be a risk with inferior bottles)**



"I'm sleeping for longer and more deeply, awaking more refreshed. Chronic digestive symptoms have much improved."

Mr S. R., Scotland

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HydroMagic Pure™ **Premium Glass Hydrogen Water Bottle**

**Most Advanced PEM/SPE
Dual Chamber NanoTechnology**

**Most Concentrated H₂ Water
available in a glass bottle,
worldwide (6000 ppb)**

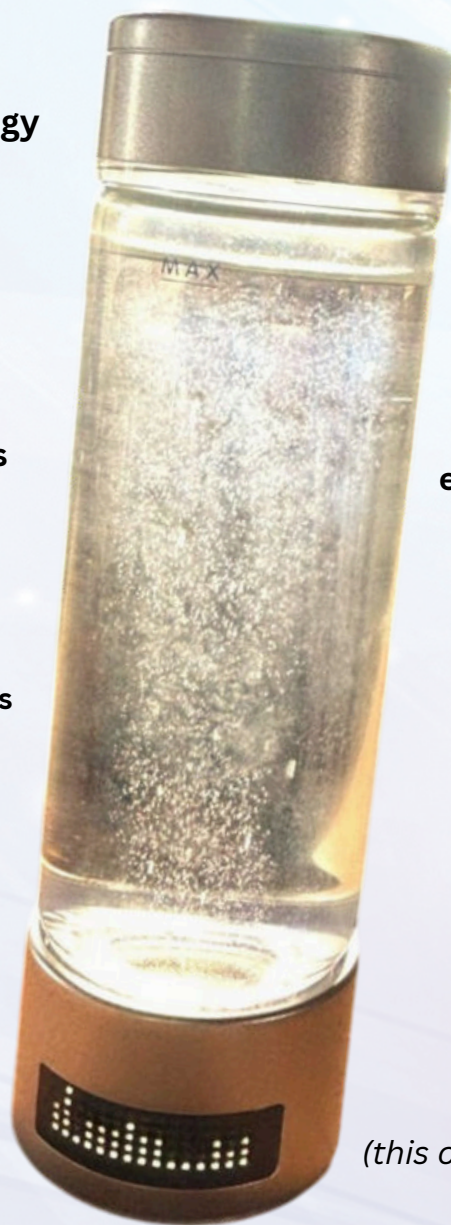
**Durable high borosilicate glass
Absolutely no plastics in the
body for a totally pure option**

**2 settings for convenience:
Rapid supersaturated Water: 3 mins
Ultra Supersaturated Water:
18 mins**

**400ml; generous capacity,
effortlessly portable**

**User-friendly
touch-screen**

Water ORP: -650mV



**Platinum coated Titanium
Electrodes; highest quality**

**Simple USB C charging
(cable included with bottle)**

**Convenience redefined;
even use this bottle as it charges.
*(very rare in an H₂ bottle)***

**Lovely 'sleek' design.
Simple one-button operation**

**Bonus Attachment for
Inhalation of H₂**

**99.99% pure H₂.
No Chlorine, NO Ozone,
No Hydrogen Peroxide
*(this can be a risk with inferior bottles)***

Colourful light display during generation

"I'm sleeping for longer and more deeply, awaking more refreshed. Chronic digestive symptoms have much improved."

Mr S. R., Scotland

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HydroMagic Go™

Hydrogen Water for all the family

**Most Affordable Super-Saturated
Hydrogen Water**

**Platinum coated
Titanium Electrodes**

ORP = -300mV to -700mV

280ml Capacity

**Attractive 'Emerald'
colour design**

**Simple USB C
Charging**



**Supersaturated Hydrogen Water:
5 minute mode = 2000ppb
10 minute mode = 3000ppb**

Touch button display

**Safe PEM/SPE Technology –
no toxic waste gases**

**BPA-free Food-grade
Bottle Material**

**Additional Inhalation
Attachment bonus**

This is a high quality Hydrogen Water Bottle, with efficiency & safety features, such as PEM/SPE technology. However, it is a significantly more 'basic' model than the HydroMagic, more suited to general health promotion than actual therapy.

“Hydrogen’s antioxidant properties make it a game-changer in the world of health and wellness.”

Dr Nicholas Perricone MD



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HOW TO TRY MOLECULAR HYDROGEN THERAPY



HydroMagic Max

- **Direct Purchase: £2260**
- **Rental: £149 / month** (plus one off £50 courier fee)
- **Rent To Own:** Extended Payment Plan - INTEREST FREE
£1250 upfront, then 10 x monthly £101
Unlimited Technical Support & Specialist Health Support

HydroMagic Pro Bottle

MOST ADVANCED TECHNOLOGY & CONCENTRATION WORLDWIDE

- Direct Purchase: ~~£249~~ **£199**
- Purchase includes Advanced Water Generator and inhalation adaptor
- 2 Activated Carbon Filters provided (not necessary with best quality water)
- Battery = 4000 MaH



HydroMagic Pure Bottle

- Direct Purchase **£149**
- High Borosilicate durable glass bottle
- Inhalation adaptor included
- Battery = 1850 MAh

"If God did make the world with a word, that word would be Hydrogen"
Harlow Shapley, Astronomer.



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Clinical Research

A simple search for 'Molecular Hydrogen Therapy' on **PubMed** (*database of abstracts and references on BioMedical topics*) brings up over 83,000 results. It's acknowledged that there are more than 2000 peer-reviewed, published research papers on Hydrogen Therapy, with numbers increasing monthly.

Molecular Hydrogen Therapy has shown potential benefits for a wide range of health conditions and symptoms. Over 180 conditions and counting...

This is a summary of just some of the main research topics explored, with references detailed below.

Oxidative Stress-related Conditions: Molecular hydrogen has demonstrated efficacy in reducing oxidative stress, benefitting conditions such as:

- Neurological disorders (e.g., Alzheimer's disease, Parkinson's disease) [1]
- Cardiovascular diseases (e.g., myocardial infarction, heart failure) [2]
- Metabolic syndromes (e.g., type 2 diabetes, obesity) [3]

Gastrointestinal Health: Hydrogen therapy has shown promise in improving gastrointestinal health, potentially helping with:

- Inflammatory bowel disease (IBD) [9]
- Irritable bowel syndrome (IBS) [15]
- Gut dysbiosis

Inflammatory Diseases: Hydrogen therapy has shown anti-inflammatory effects, offering benefits for:

- Arthritis [4]
- Colitis and other inflammatory bowel diseases [5]
- Dermatitis and other skin inflammatory conditions [11]

Neurological Disorders: Molecular hydrogen has exhibited neuroprotective effects, potentially improving symptoms in:

- Alzheimer's disease [6]
- Parkinson's disease [7]
- Traumatic brain injury [12]



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Clinical Research

Cardiovascular Conditions: Hydrogen therapy may provide cardioprotective effects, benefitting:

- Myocardial infarction [8] · Heart failure [13] · Ischaemia-reperfusion injury [14]

Sports Performance and Recovery: Some research suggests hydrogen therapy may enhance sports performance and recovery by reducing exercise-induced oxidative stress and muscle fatigue [11]

Radiation-induced Damage: Molecular hydrogen has been investigated for its radioprotective effects, potentially benefitting individuals undergoing radiation therapy for cancer treatment [10]

Please contact us via Research@HydroHolics.com for further information, or details of studies on a particular condition of interest.

References:

1. Yoritaka, A., et al. (2013). Pilot study of H₂ therapy in Parkinson's disease: A randomized double-blind placebo-controlled trial. *Movement Disorders*, 28(6), 836-839.
2. Kajiyama, S., et al. (2017). Supplementation of hydrogen-rich water improves lipid and glucose metabolism in patients with type 2 diabetes or impaired glucose tolerance. *Nutrition Research*, 28(3), 137-143.
3. Ostojic, S. M. (2014). Does H₂ alter mitochondrial bioenergetics via GHS-R1α activation?—Is it an Achilles heel for H₂-rich water?. *Medical Hypotheses*, 83(2), 210-213.
4. Itoh, T., et al. (2019). Molecular hydrogen suppresses gut dysbiosis & alveolar bone loss in periodontitis. *Frontiers in Microbiology*, 10, 2275.
5. Cardinal, J. S., et al. (2010). Oral hydrogen water prevents chronic allograft nephropathy in rats. *Kidney International*, 77(2), 101-109.
6. Ohta, S. (2011). Molecular hydrogen as a preventive and therapeutic medical gas: initiation, development and potential of hydrogen medicine. *Pharmacology & Therapeutics*, 144(1), 1-11.
7. Ichihara, M., & Sobue, S. (2015). Is molecular H₂ an effective antioxidant in vivo?. *Journal of Japanese Society for Hygiene*, 70(5), 265-270.
8. Kamimura, N., et al. (2011). Molecular hydrogen improves obesity and diabetes by inducing hepatic FGF21 and stimulating energy metabolism in db/db mice. *Obesity*, 19(7), 1396-1403.
9. Ichihara, M., Sobue, S., & Ito, M. (2016). Molecular hydrogen regulates gene expression by modifying the free radical chain reaction-dependent generation of oxidized phospholipid mediators. *Antioxidants & Redox Signaling*, 24(15), 99-111.
10. Ostojic, S. M. (2014). Molecular hydrogen: An inert gas turns clinically effective. *Annals of Medicine*, 46(5), 319-324.
11. Ailing Hu, Takuji Yamaguchi, Masahiro Tabuchi, Yasushi Ikarashi, Akio Mizushima, Hiroyuki Kobayashi, A pilot study to evaluate the potential therapeutic effect of hydrogen-water bathing on atopic dermatitis in humans, *Advances in Integrative Medicine*, 2023.
12. Hu HW, Chen ZG, Liu JG, Chen G. Role of hydrogen in traumatic brain injury: a narrative review. *Med Gas Res*. 2021 Jul-Sep;11(3):114-120.
13. Chi J, Li Z, Hong X, Zhao T, Bie Y, Zhang W, Yang J, Feng Z, Yu Z, Xu Q, Zhao L, Liu W, Gao Y, Yang H, Yang J, Liu J, Yang W. Inhalation of Hydrogen Attenuates Progression of Chronic Heart Failure via Suppression of Oxidative Stress and P53 Related to Apoptosis Pathway in Rats. *Front Physiol*. 2018 Jul 31;9:1026.
14. Nie C, Ding X, A R, Zheng M, Li Z, Pan S, Yang W. Hydrogen gas inhalation alleviates myocardial ischemia-reperfusion injury by the inhibition of oxidative stress and NLRP3-mediated pyroptosis in rats. *Life Sci*. 2021 May 1;272:119248.
15. ROHOVYI, Yurii, TSITRIN, Volf, BILOOKA, Yula, ARKCHIPOVA, Ludmila and BILOOKIY, Vyacheslav. Mechanism of influence of molecular hydrogen on the function of the proximal tubule of the nephron in irritable bowel syndrome. *Journal of Education, Health and Sport*. Online. 15 February 2021. Vol. 11, no. 2, pp. 53-62.