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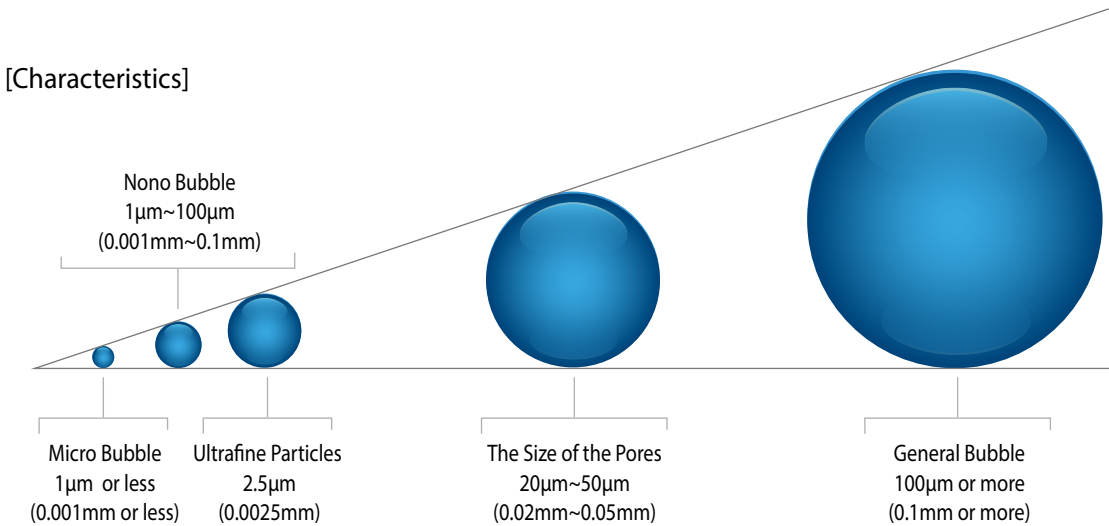
Hygea SPA
Hygea H2



Hydrogen Micro Nano Bubble Machine
Hygea SPA
Make yourself healthier.

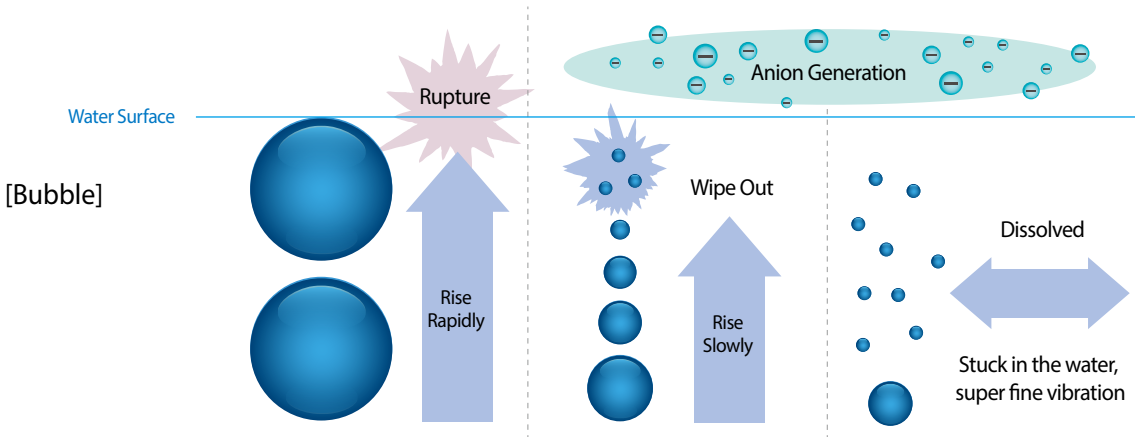
What is a Hydrogen Micro-Nano Bubble?

Compare the sizes of various bubbles



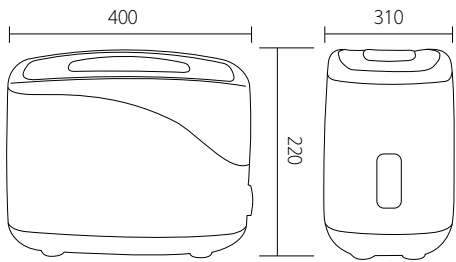
What is a micro-nano bubble?

It is very small bubble. Its size is very small and has a negative charge, so it absorbs the characteristics of a positively charged foreign matter and floats on the surface of the water. Micro-nano bubbles are very small, so they have no buoyancy and can stay in the water for a long time. It is called a bubble that is invisible and does not disappear. In addition, the size of the micro-nano bubbles is very small compared to the general bubbles, so the gas solubility is very high.



	Bubble	Micro Bubble	Nano Bubble
Bubble size (1mm = 1000µm)	100µm or less (0.1mm or less)	100µm~1µm (0.1mm~0.001mm)	1µm or more (0.001mm or more)
Visual inspection	possible	possible(milky)	Impossible (colorless and transparent)
dynamic	Rise rapidly, rupture in the water	Gradually rise and disappear in the water	Stuck in the water for a long time, Ultra-fine vibration
Lifecycle	a few seconds	2~3 minutes	Several months to half a year

Hydrogen Micro-Nano Bubble Machine Hygea SPA Product Specifications



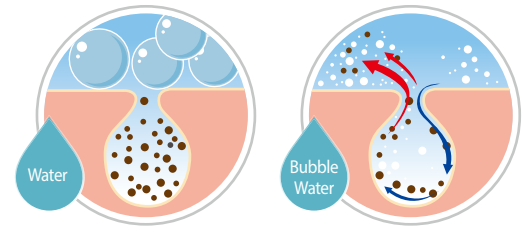
Name	Hydrogen Micro-Nano Bubble Machine
Size (mm)	400×220×310mm
Weight (kg)	7.8
Rated Power	100V~240V(±10%)
Rated Current	Max 4A
Timer Function	10 minutes / 20 minutes / 30 minutes
Power Consumption	Max 150W
Applicable Temperature (Water Temperature)	5~42°C



When we take a bath with Hygea SPA, what changes will happen to our body?

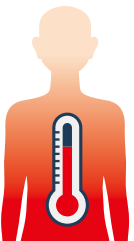
✓ Skin beauty: Cleaning pores, Moisturizing, Removing odor

Ultra-micro-nano bubbles smaller than the pores penetrate every corner of the pores, absorbing sebum, skin waste, and keratin. Through this performance, foreign matter in the scalp can be washed, which has a good effect for hair growth.



✓ Warm bath effect: Increasing the temperature of body

When the microbubbles disappear, high temperature and high pressure are generated while high energy is emitted. This energy stimulates the sensory nerves of the body, causing the proliferation and decomposition of the cells, producing insulin-like growth factor-I (IGF-I). This can increase blood flow and body temperature.



✓ improving skin diseases

The micro-nano bubbles absorb the contaminated material and float on the water surface, and the bubbles burst instantly, generating heat and negative ions. Based on this principle, clinical trial results show that it helps improve allergic skin diseases.



✓ Negative ion effect

When the micro-nano bubble bursts, the negative ions generated are more than 10 times that around the waterfall.



✓ Whole body massage effect

When the micro-nano bubble bursts, it causes numerous vibration waves to gently massage your body, loosen the tight muscles, and help you recover from fatigue and blood circulation.

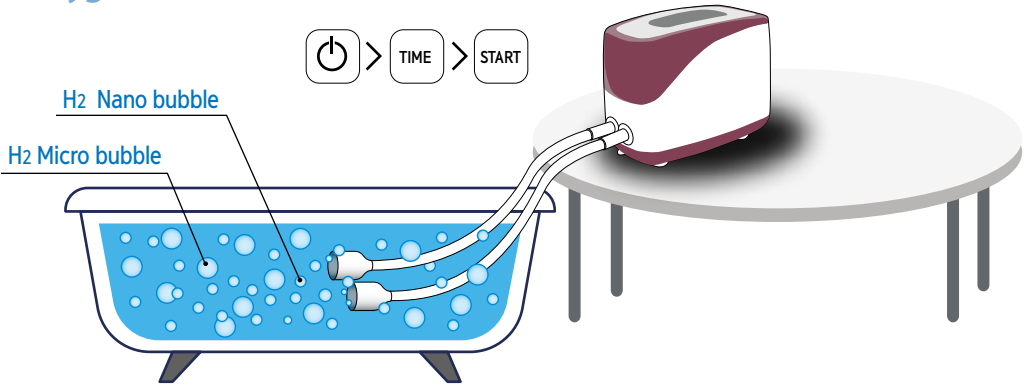


✓ Sterilization, decomposition of harmful substances, removal of pesticides

In the tests of domestic authorized institutions, the bactericidal effect of Escherichia coli, Pseudomonas aeruginosa, Salmonella and Vibrio was 99%, which confirmed its high bactericidal ability.



| What is Hygea SPA?



Hydrogen H₂ + microbubbles + nanobubbles ▶ Hygea SPA

▶ The effect of Hygea SPA : Hydrogen micro-nano bubbles can increase hydrogen concentration, eliminate active oxygen, and have the effects of cleaning, anti-inflammatory and improving skin diseases.

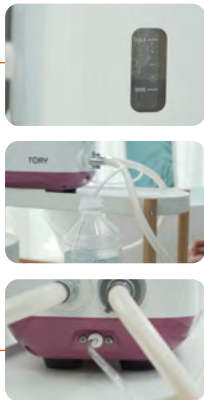
| What is a micro-nano bubble?



Touch Screen

- Set time (10 minutes, 20 minutes, 30 minutes)
- 100V ~ 240V free voltage

Purified water tank, LED water level window



MADE IN KOREA



- Hydrogen production 100cc~120cc/min
- Number of bubbles below 100 nm 100 million or more per 1 cc



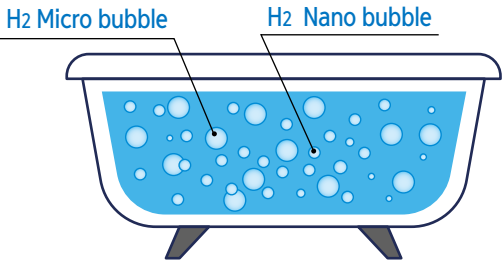
Hydrogen purity 99.99%
Test report



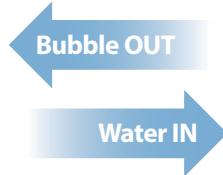
Hydrogen dissolved
concentration 800-1000ppb



It is often used in such places



Hydrogen gas with
99.99% purity
Micro-nano bubbles



Hydrogen Water Bath



Hydrogen Inhalation



Drinking Hydrogen Water



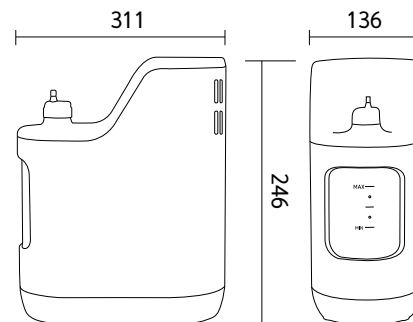
Drinking **hydrogen water**
can protect your health

Hydrogen(H) + Free Radicals(OH)

▼
Pure Water H2O

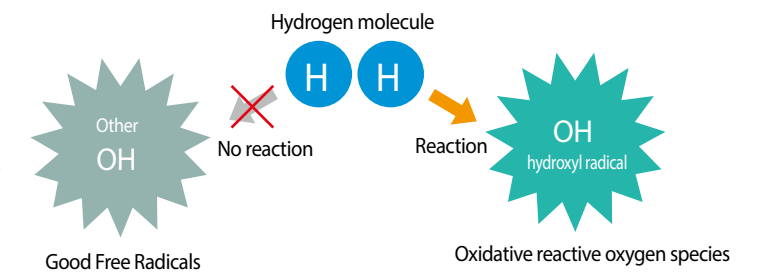
Hydrogen generator Hygea H2 Product specifications

Name	Hygea H2	Model	TRE-HG001
Size	Main Machine (mm)	136(W)×246(D)×311(H)	
Rated Voltage	AC100V ~ 240V, 50/60Hz		
Maximum Power Consumption	60W		

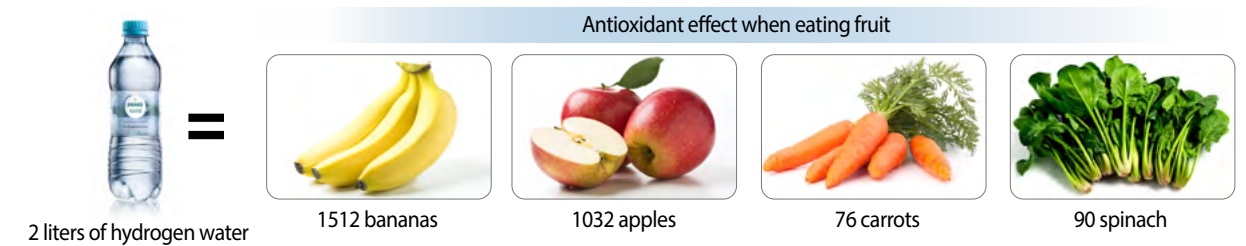


Hydrogen Characteristics

1. Hydrogen can effectively remove
malignant reactive oxygen species



2. Antioxidant comparison



3. Restoring physical strength, Enhancing immunity



Anti-aging



Restoring physical strength



Enhancing immunity

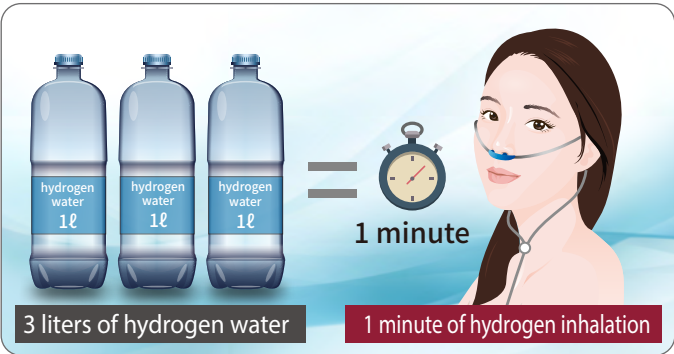
The use of Hygea H2

The use of hydrogen water in daily life



The Effect of inhaling hydrogen

1. The effect of inhaling hydrogen for 1 minute is the same as drinking 3 liters of hydrogen water.



2. Japan's research report

Abstract [Nature Midison] hydrogen effect

In May, 2007, in the electronic version of the British journal [Nature Medison] and the journal of the June issue, Professor Ota of the Graduate School of Medicine of Japan published a thesis on regarding hydrogen. The following is a summary of the thesis published by Professor Ota.

- In the selective reaction experiment using cells and [hydroxyl radicals], hydrogen only selects hydroxyl radicals having strong oxidizing power, and does not react with nitrous oxide, hydrogen peroxide, superoxide radicals or the like. It also shows that hydrogen permeates into the biofilm, the cytoplasm and mitochondria to protect the DNA.
- Inhibition of cerebral infarction:
In animal experiments, mice in artificial cerebral infarction inhaled hydrogen for 2 hours and studied the results of infarcted physique. Compared with mice that did not inhale hydrogen, brain damage was significantly inhibited. In addition, the difference in infarct volume was even more pronounced after 1 hour. This experiment shows that hydrogen not only improves initial brain damage, but also effectively inhibits the progression of the disease)

要約 「ネイチャーメディシン」 水素の効果

昨年5月、英国の学術誌「ネイチャー・メディシン」の電子版、6月には本誌に、日本医科大学大学院の太田成男教授らの発表した論文が掲載された。ここでは、太田教授らの発表した論文の内容を要約して紹介する。

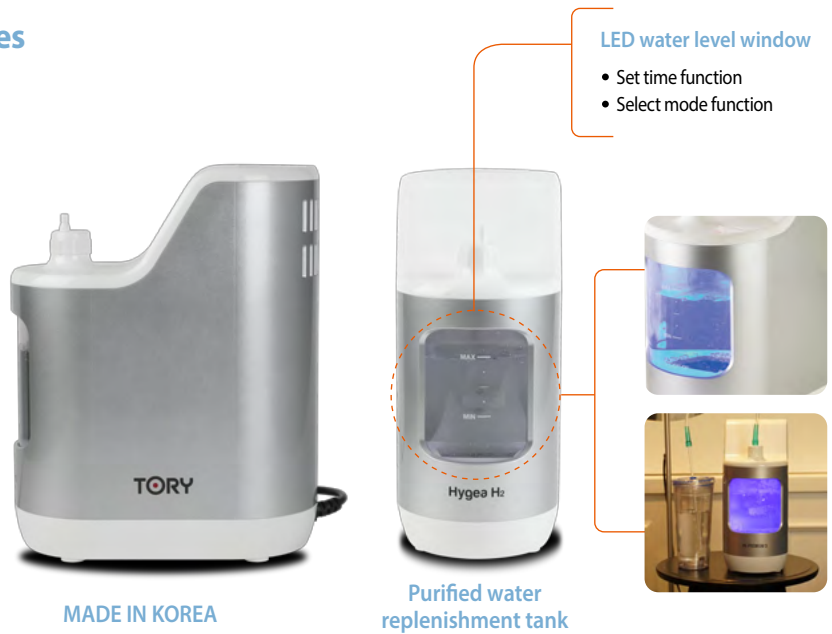
①「ヒドロキシルラジカル」の選択的還元
培養細胞を用いた実験で、水素が一酸化窒素や過酸化水素、スーパーオキシドラジカルなどの活性酸素はほとんど還元せず、最も酸化力の強い「ヒドロキシルラジカル」のみを選択的に還元する特性を持つこと、また水素が生体膜を透過し、細胞質やミトコンドリアにまで入り込んでDNAを守ることが明らかになった。

②脳梗塞の抑制作用
動物実験で、人工的に脳梗塞にしたラットに水素ガスを2時間吸引させ梗塞体積を調べた結果、水素ガスを吸引していないラットに比べて、脳損傷が顕著に抑制された。さらに、1時間後には梗塞体積の違いはより顕著化した。このことから、水素が初期の脳障害改善だけでなく、障害の進行も抑制することが明らかになった。

健康産業新聞 2008年2月20日 第1235号

Health Product Report No. 1235, February 20, 2008

Product Features



Hydrogen production 100cc~120cc/min



Hydrogen purity 99.99% Test report



Hydrogen dissolved concentration 1000~1300ppb

This product has national safety certificate and domestic and foreign patents.



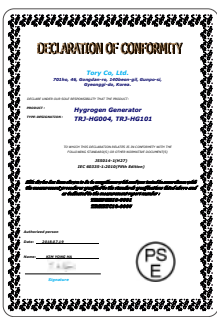
Hydrogen purity test report



Japanese government quarantine report



CE certificate



PSE certificate



KC certificate



Japanese patent certificate



Korean patent certificate



Gyeonggi-do Youwang SME certificate

Hygea H2

The world's first three-function hydrogen generator

It has three functions: Drinking hydrogen water, Inhaling hydrogen, hydrogen water bath, etc.



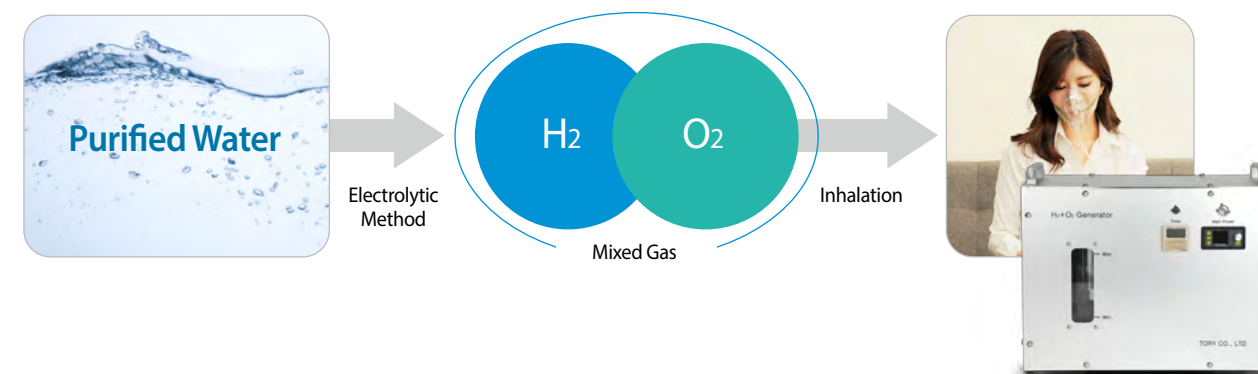


Product Information



H₂ & O₂ Inhaler

A device for producing high-purity hydrogen and oxygen by electrolytically purifying water. By inhaling hydrogen and oxygen, it eliminates malignant free radicals, anti-aging and enhances immunity. Use a hydrogen inhaler to make your body younger and healthier.



What changes will happen when inhaling hydrogen?

Anti-aging

As you get older, your body will get older. Aging is the consciousness of the body's rusting. Hydrogen combines with the bad oxygen that causes rust and releases it out of the body, thus having a very high anti-aging effect.
(※ Effects vary from person to person.)



Enhancing Immunity

If you have always felt tired and weak recently. This is to show that your immunity is declining. When immunity declines, the balance between physical condition and physical fitness will collapse. Hydrogen is said to be very effective in improving immunity because it only removes bad reactive oxygen species and leaves the active oxygen required by your body.
(※ Effects vary from person to person.)



H₂ & O₂ Inhaler Specification

Name	Hydrogen & Oxygen Generator
Size (mm)	450(W)×190(D)×345(H)
Weight (kg)	13
Rated voltage	AC100V
Rated current	Max 2.5A
Maximum current	Max 200W



Main machine
(Hydrogen + oxygen generator)

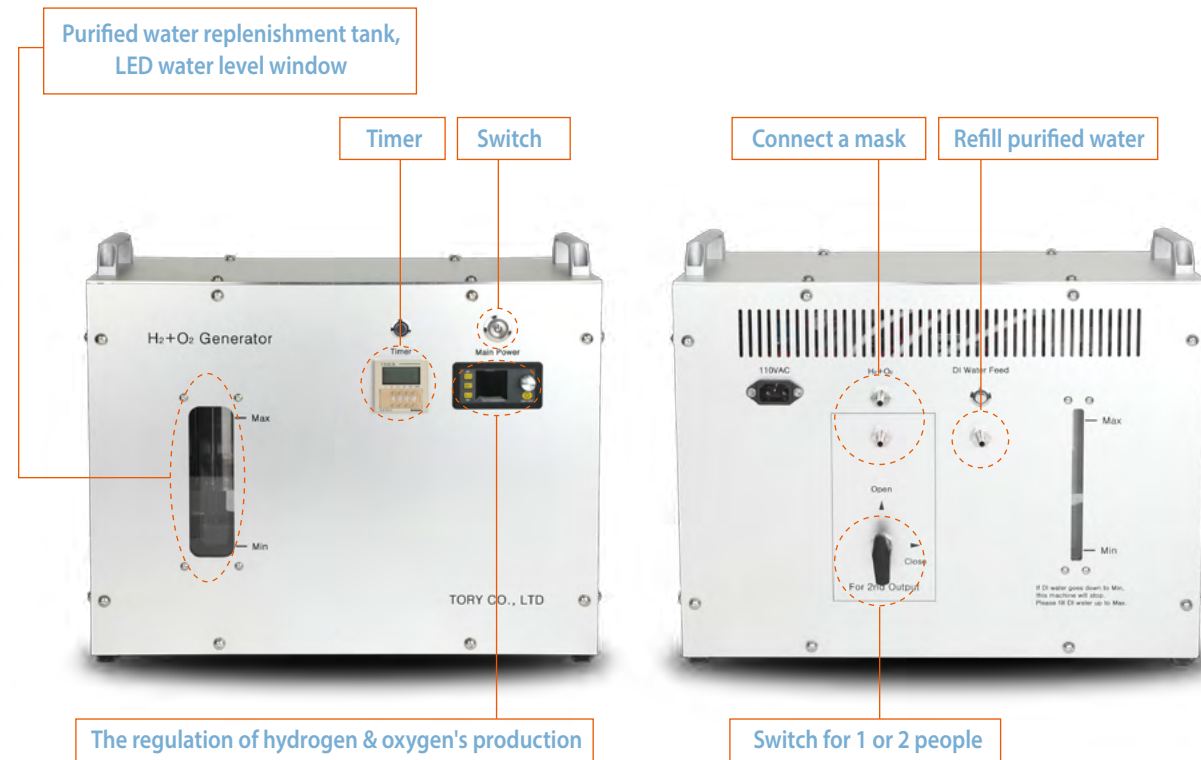


Power cable



Suction mask

Product Function



- High purity hydrogen and oxygen are simultaneously inhaled
- Hydrogen's concentration of production is up to 670,000ppm :
The ratio of hydrogen to oxygen is 2 : 1 (hydrogen 67%, oxygen 33%)
- 2 people can use at the same time
- The production of hydrogen and oxygen :
480 cc/min (hydrogen 320 cc/min, oxygen 160 cc/min)
- Hydrogen purity 99.99% : Certificate of Test
- **MADE IN KOREA**

It is often used in such places

Sports center, hospital, hotel & bath center, office, beauty salon





Hydrogen micro-nano bubble machine
Hygea SPA



hydrogen generator
Hygea H₂



hydrogen & oxygen inhaler
H₂ & O₂ Inhaler

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