

H2CAP H2CAP Plus

H2CAP Plus Gold Set Package 28mm Molecular Hydrogen Water Generator

Model: H2CAP Plus | Brand: H2CAP

INTRODUCTION

The H2CAP Plus is a compact and powerful molecular hydrogen water generator designed to produce hydrogen-rich water. It utilizes advanced Platinum SPE (Solid Polymer Electrolyte) and PEM (Proton Exchange Membrane) dual chamber technology to electrolyze water molecules, safely dissolving molecular hydrogen into the water while separating and discharging oxygen. This process ensures that the human body can effectively absorb the beneficial molecular hydrogen.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your H2CAP Plus device, ensuring optimal performance and longevity.

PRODUCT FEATURES

- **Advanced Technology:** Features the world's first Platinum SPE/PEM Dual Chamber technology with a 9-layer system, ensuring only pure hydrogen is infused into the water, free from chlorine, ozone, or peroxide.
- **High Concentration:** Capable of generating 1000 to 1500 ppb (1.0 to 1.5 ppm) of hydrogen and an ORP (Oxidation-Reduction Potential) of -400mV to -800mV in approximately 3 minutes and 30 seconds.
- **Certified Performance:** Certified by the Japan Hydrogen Water Promotion Association (JHPA) for its high hydrogen generation capabilities.
- **Compact and Portable:** Smallest hydrogen water generator with powerful performance, designed for extreme portability.
- **Durable Materials:** Constructed with high-quality materials including Platinum Titanium Electrode, Platinum SPE PEM, BPA-Free Tritan, and Stainless Steel 304.
- **Universal Compatibility:** Compatible with any water bottle featuring a 28mm neck size.
- **USB Powered:** Operates conveniently with USB power sources.

- **The world first 2 chamber 9-Layer system with platinum PEM technology**
- **Make 99.99% Molecular Hydrogen**
- **Patented Cross-Mesh Electrode**



Diagram illustrating the internal structure of the H2CAP Plus, showcasing its advanced 2-chamber, 9-layer system with Platinum PEM technology for efficient and pure hydrogen generation.

The logo for the Japan Hydrogen Water Promotion Association (JHPA) is displayed in a blue, serif font. It is centered at the top of the page, below a decorative golden border featuring two phoenixes and floral motifs.

Registration Card for Product Qualification

Messrs. IonFarms Co.,Ltd.

As a result that we checked the dissolved hydrogen amount of the hydrogen water generation unit [H2CAP] which was applied for the qualification by you, the product indicated the value of 1,036 ppb immediately after the generation of hydrogen.

Since this value complies with the fact [that the dissolved hydrogen amount shall be 300 ppb or more at the time immediately after the generation] which is the standard value for qualification specified by our association, we hereby qualify the product as the hydrogen water generation unit and issue the Registration Card for Product Qualification.

Registration number: No.A1085

Registration date: October 17th, 2018

Expiration date: October 16th, 2020

Japan Hydrogen Water Promotion Association
Administrative director Kenji Tazawa



over 1,000 ppb of dissolved hydrogen.

PACKAGE CONTENTS

Upon opening your H2CAP Plus Gold Set Package, please verify that all the following items are included:

- H2CAP Plus Hydrogen Water Generator Device
- H2CAP Tritan Water Bottle (500ml / 17oz)
- USB Power Cable
- H2CAP Descaler Packets (20 pcs)
- Carrying Pouch
- User Manual (English)



A comprehensive view of all items included in the H2CAP Plus Gold Set Package, such as the hydrogen generator, water bottle, USB charging cable, descaler packets, carrying pouch, and user manual.

SETUP

Before first use, ensure you have all components as listed in the 'Package Contents' section.

1. **Unpack Components:** Carefully remove the H2CAP Plus device, bottle, and accessories from their packaging.

2. **Remove Protective Plug:** Locate the white protective plug at the bottom of the H2CAP Plus device. This plug is for moisture ventilation during shipping. Gently pull it out before use. Do not attempt to peel off the black rubber backing.
3. **Attach to Bottle:** The H2CAP Plus device is designed to screw onto the neck of the provided 500ml Tritan bottle or any standard water bottle with a 28mm neck size. Ensure it is securely fastened to prevent leaks.
4. **Power Connection:** Connect the USB power cable to the H2CAP Plus device. The device does not have an internal battery and requires a continuous power source during operation. You can use a 5V USB power source such as a wall adapter, power bank, laptop, or smartphone charger.



The H2CAP Plus device attached to its accompanying water bottle, ready for hydrogen generation.



The H2CAP Plus device alongside its bottle, illustrating its compact dimensions and compatibility with 28mm bottle neck sizes.



The H2CAP Plus device connected to its bottle, demonstrating its versatility in power options via a USB cable, including smartphones, power banks, laptops, and wall chargers.

OPERATING INSTRUCTIONS

The H2CAP Plus is designed for simple and efficient operation.

1. **Fill Bottle:** Fill the H2CAP bottle or your compatible 28mm neck bottle with potable water. Any type of water can be used safely.
2. **Attach Device:** Screw the H2CAP Plus device onto the filled bottle securely.
3. **Connect Power:** Plug the USB cable into the H2CAP Plus device and connect the other end to a 5V USB power source.
4. **Start Generation:** The device will automatically begin the hydrogen generation process. You will observe small bubbles forming in the water, indicating the electrolysis process.
5. **Completion:** The generation cycle typically takes 3 minutes and 30 seconds. The device will automatically shut off once the cycle is complete, indicated by a change in the LED light (e.g., from blue to orange glow, or off).

6. **Enjoy:** Detach the H2CAP Plus device from the bottle and consume the freshly generated hydrogen-rich water immediately for optimal benefits.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your H2CAP Plus device.

- **Descaling:** Mineral buildup from water can affect the device's performance. Use the provided H2CAP Descaler packets regularly (e.g., once a week or as needed based on water hardness) to clean the electrodes. Follow the instructions on the descaler packet for proper use. The device may indicate a need for cleaning with a blinking orange light.
- **Cleaning:** After each use, rinse the H2CAP Plus device and bottle with clean water. Do not submerge the entire H2CAP Plus device in water. Wipe the exterior with a soft, damp cloth.
- **Storage:** When not in use, store the device in a clean, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your H2CAP Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not turning on / No bubbles	No power, loose connection, or protective plug still in place.	Ensure USB cable is securely connected to both the device and a working 5V power source. Verify the white protective plug at the bottom of the device has been removed.
Orange blinking light	Indicates need for descaling/cleaning.	Perform a descaling cycle using the H2CAP Descaler packets as per instructions.
Water leaking from the top or bottom	Bottle not screwed on tightly, damaged seal, or protective plug not removed.	Ensure the H2CAP Plus device is screwed onto the bottle tightly. Check the silicone seals for any damage. Confirm the white protective plug is removed from the bottom.
Low hydrogen concentration / Weak bubbling	Mineral buildup on electrodes.	Perform a descaling cycle. Regular descaling is crucial for optimal performance.

If the problem persists after attempting these solutions, please refer to the full user manual or contact customer support.

SPECIFICATIONS

Attribute	Detail
Brand	H2CAP
Model Name	H2CAP Plus
Manufacturer	IONFARMS

Attribute	Detail
Power Source	Corded Electric (USB 5V)
Installation Type	Countertop
Package Information	Bottle
Special Feature	Multi Stage Filtration (Hydrogen Generation)
Item Weight	1.15 pounds
Package Dimensions	8.98 x 8.66 x 2.99 inches
Bottle Neck Size Compatibility	28mm
Hydrogen Concentration	1000 to 1500 ppb (1.0 to 1.5 ppm)
ORP	-400mV ~ -800mV
Generation Time	3 minutes 30 seconds

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official user manual included in your package or visit the manufacturer's website. If you require technical assistance, have questions about your device, or need to report an issue, please contact IONFARMS customer support directly.

A digital version of the user manual is available for download:[User Manual \(PDF\)](#)

You can also visit the official H2CAP store for more information:[H2CAP Store](#)