

取扱説明書
使用说明书
Instruction Manual



SilkyPure

充電式携帯型水素水生成器
充电式携带型水素水生成器
Hydrogen Water Generator

MODEL HWP-3690H

Made in JAPAN



Safety precautions

This instruction manual contains information for the user and others to avoid personal injury or property damage. Be sure to follow the instructions for safe and proper use.

※ Refer to "Names and functions of parts" (→ page 22) for part names.

Classification



Warning

Ignoring the warning may result in injury, serious injury or death.



Caution

Ignoring the cautions may result in property damage or personal injury.

Symbols



This symbol indicates that you must not do.



This symbol indicates that the product should not be used where it gets wet.



This symbol indicates that handling by a wet hand is not allowed.



This symbol indicates that it must not be used near fire or placed in fire.



This symbol indicates that it must not be disassembled.



This symbol indicates that you have to do.



Warning



Do not use, keep, or leave the product in the area which is high temperatures such as near fire, direct sunlight or inside of a car under the blazing sun.
Doing so might cause ignition or burst.



Do not incinerate the product.
The battery may explode.



Do not put flammable liquids into the product.
Risk of explosion or fire may exist.



Do not heat the product in a microwave oven or put it in a dishwasher or a dryer.
Otherwise, there is a risk of rupture, electric shock, or the battery explosion.



Do not charge the product with a wet hand.
Otherwise, there is a risk of electric shock, short circuit, or fire.



Do not get the AC adapter or the USB cord wet.
Otherwise, there is a risk of electric shock, short circuit, or fire.



When generating sterilizing water (hypochlorous acid water), strong alkaline water comes out from the bottom of the base part. The place where clothes, leather, cloth, wood products, etc. adhere may be discolored or deteriorated. Please be sure to put it on the coaster attached. If it gets on your fingers or skin, wash it immediately. Please be careful not to get it into your eyes or mouth.
When it happens to get into your eyes or mouth, wash it under running water and see a doctor.

<Caution regarding hypochlorous acid water>

Never mix with other acidic and alkaline products. Chlorine gas may be generated and may be dangerous.



Before charging the product, precautions must be taken to keep water off and dry near the power connection well.
Otherwise there is a risk of explosion, electric shock, or the battery explosion.



Use a plug adapter when charging the product outside the country or region where you purchased it. Use the product by the specified power source and voltage.
If the voltage or the shape of the plug adapter does not fit in with the product, it may break down.
Using the product by wrong power source or voltage may cause fire, scald or electric shock.
AC100V ~240V (It fits in with the household AC outlet.)



Do not place heavy objects on the USB cord, or bundle, bend, damage, process, pull, twist, or pinch the cord.
Otherwise, there is a risk of electric shock, short circuit, or fire.



Stop using immediately, when the AC adapter or the USB cord is damaged or heated. In addition, do not use the product when heat, abnormal smells, or noises are noticed coming from the base generator.
Doing so might cause electric shock, short circuit, or fire.
Please contact your dealer or our customer support center.



Clean the AC adapter plug, the USB cord connector and the product power connection port regularly.
Otherwise, there is a risk of electric shock, short circuit, or fire.
Remove all dust, if any, before charging.



Insert the USB cord firmly into the AC adapter or the Silky pure body.
Otherwise, there is a risk of electric shock, short circuit, or fire.

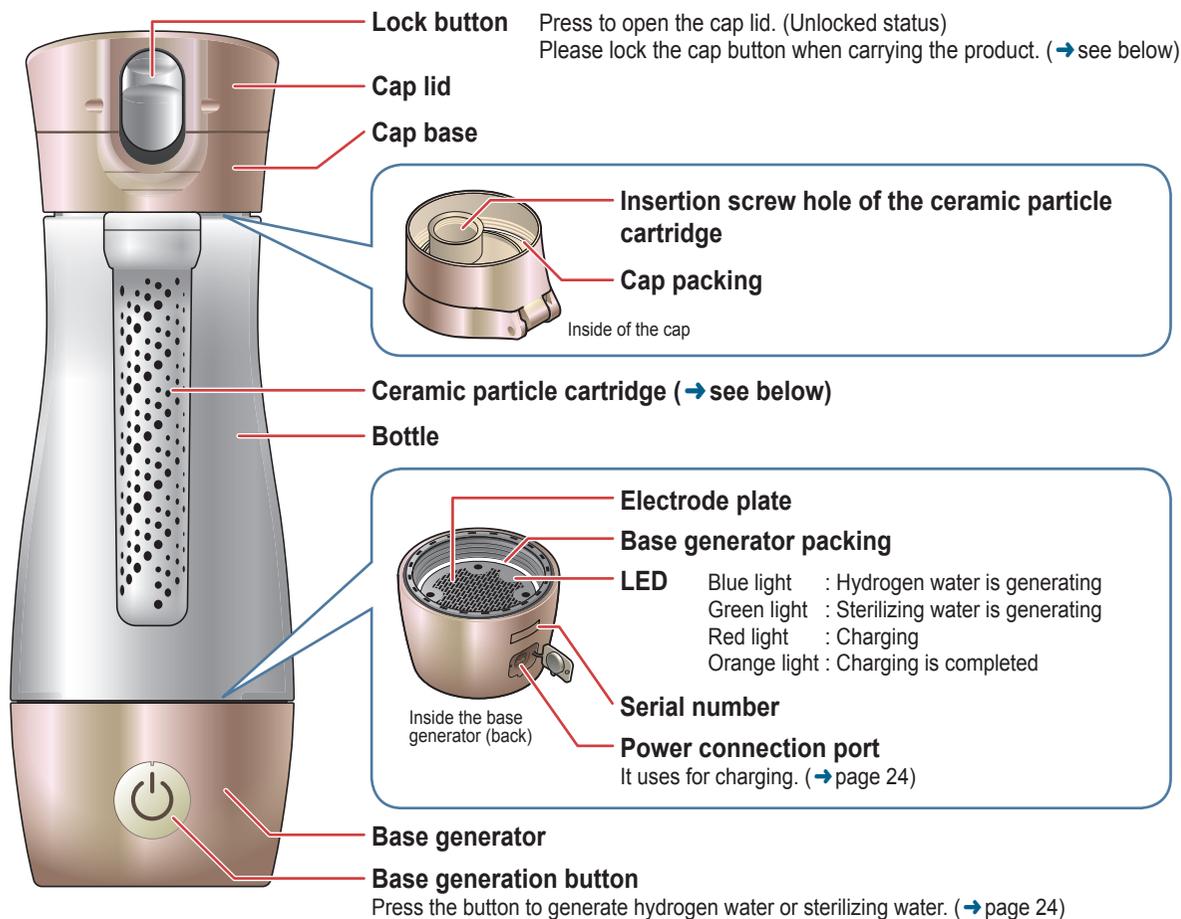
Warning

-  **Do not attempt to disassemble or alter the base generator by yourself.**
Otherwise, there is a risk of electric shock, short circuit, or fire. It is not covered by the warranty.
-  **A person with a pacemaker or any other internal device should not drink during the hydrogen generation.**
The weak current in the water during hydrogen generation may affect a function of the internal device.
-  **A person whose water intake is restricted should consult with a doctor before drinking.**
It may affect your physical condition.
-  **Drink the generated hydrogen water immediately without keeping it.**
Otherwise, there is a risk of food poisoning.
-  **Sterilizing water is not drinkable.**
-  **Keep the product out of reach of infants.**
It may cause accidental ingestion of parts or trouble.
-  **When using hot water, wear gloves or use a dry cloth to prevent scald.**
The product may be hot and cause scald.
-  **When using hot water, check the temperature before drinking.**
It may cause scald if you drink directly. Try to drink hot water after pouring into another vessel.
-  **When using hot water, keep the water level below the bottle screw. (→ page 25)**
Hot water may spout and cause scald.

Caution

-  **When carrying the product filled with water in, make sure the cap and the bottle screws are tightly closed and lock the cap.**
If they are not closed tightly or the cap is not locked, water may leak due to some reasons (such as the button on the cap being pressed with the baggage in the bag).
-  **When carrying the product filled with water in a bag, do not place it sideways.**
If the power is turned on with the product lying down, water may leak from the pressure reducing valve on the cap.
-  **Do not drop the product or subject it to strong shock.**
Otherwise, it could result in deformation or damage of the product.
-  **Do not freeze the product.**
Otherwise, it may cause the product to fail or damage.
-  **Do not charge the product with any AC adapters other than the attached one.**
Otherwise, it may cause the product to fail.
-  **When inserting or pulling out the USB cord, be sure to hold the connector.**
Otherwise, it could result in damage or short circuit of the USB code and a failure of the product.
-  **Do not use the product under water or splash seawater or hot spring water on it.**
This product is water-resistant. However, do not use the product under water. Furthermore, be careful not to spray any water other than fresh water on the product. Otherwise, it may cause the product to fail.
-  **Use normal water or hot water only.**
The use of liquid other than water may cause stain, coloring, smell of the bottle and the electrode plate or failure of the product.
-  **Place the sterilizing water on the coaster attached.**
Do not generate the sterilizing water on colored cloths or painted tables. Otherwise, it could result in a change of color.
-  **Be sure to clean the inside of the bottle of the product and the ceramic particle cartridge before using for the first time. (→ page 23)**
-  **When the ceramic particle cartridge is replaced, clean the new one before using. (→ page 23)**
-  **When cleaning the inside of the bottle of the product, remove the ceramic particle cartridge and clean it with neutral detergent and soft sponge. (→ page 26)**
Do not use abrasives or metal brushes.
-  **Clean the inside of the product and the ceramic particle cartridge daily.**
-  **Do not apply hot water (above 70 °C) to the cap and the electrode plate and sterilize them by boiling.**
There is the risk of paint peeling.
-  **Do not soak the base generator in water.**
Wipe off the moisture of the base generator well. Otherwise, it could result in failure of the product.
-  **When using the ceramic particle cartridge, recommended water quantity is 360cc or less.**
If you put too much water, it may overflow when the cap is closed. However, if the amount of water is too little to reach the ceramic particle cartridge, chlorine odor may not remove.

Names and functions of parts



Lock function of the cap

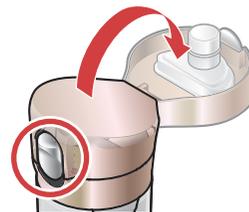
The cap has a one-touch opening system and a locking function. Be sure to lock the cap when carrying the product.



The cap is locked when the button is set to the bottom position.



The cap is unlocked when the button is set to the up position.



In the state the button unlocked, the cap lid opens by pressing the button.

Ceramic particle cartridge

Chlorine odor generated during electrolysis can be reduced by using the ceramic particle cartridge attached.

- Please use the ceramic cartridge when generating hydrogen water with tap water. When using hot water, mineral water, or pure water, remove the ceramic particle cartridge. (If purified water from a water purifier has chlorine odor, use the ceramic particle cartridge.)

The ceramic particle cartridge is consumable. Replace the ceramic particle cartridge when the generated hydrogen water smells of chlorine.

- The approximate time for replacement is about 2 years in case of using 2 liters a day. It is also time for replacement when the ceramic particles turn red in the ceramic particle cartridge.

Notice

- If the water level in the bottle is too low to reach the ceramic cartridge, chlorine odor may not remove.

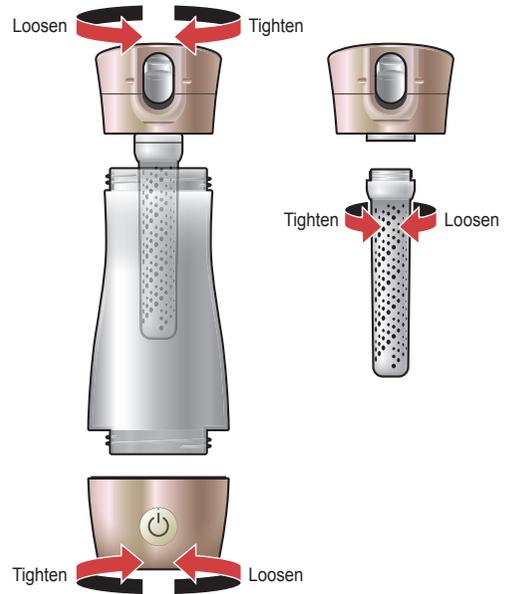
Removal / Installation of parts

■ Removal

- 1 Turn the cap and the base generator counterclockwise.
- 2 Turn the ceramic particle cartridge counterclockwise while holding the cap.

■ Installation

- 1 Turn the ceramic particle cartridge clockwise while holding the cap.
- 2 Turn the cap and the base generator clockwise.
Before installation, make sure that the packing of the cap and the base generator are installed.
After installation, make sure the cap and the base generator are securely attached.
- 3 Pour water into the bottle of the product and check the water leakage.
Close the cap lid firmly, then shake the product up and down to check the water leakage.



When using the product for the first time

When using the product for the first time, remove the parts and wash them well.

■ Cap · Bottle · Base generator

Wash them well with neutral detergent.

For details, refer to "How to care" (→ page 26).

- Do not use a dishwasher or a dryer.
- When washing the base generator, close the cap of the power connection port firmly.
- Since the product is made of plastic, please use soft sponge, etc.
- At the beginning of use, the inside of the generator is dry.
For this reason, the hydrogen concentration of the generated hydrogen water and the sterilizing capacity of the generated sterilizing water may not reach the specified values.
- Generation performance may not be fully demonstrated for a while after using the product for the first time.
As a guide, the condition will continue for about one month. (When using the product three times a day.)

■ Ceramic Particle cartridge

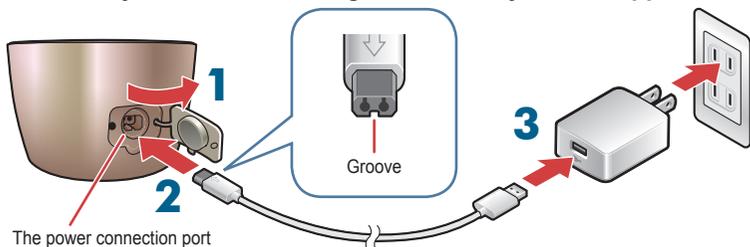
Place the ceramic particle cartridge removed in a cup or another container and wash by shaking it for about 10 minutes in running water.

- Use a container big enough to soak the ceramic particle cartridge in water.
(A cup is suitable.)
- Shake the ceramic particle cartridge well in the container.
If the shaking is not enough, the ceramic particle cartridge may not be washed perfectly.
- If you use the ceramic particle cartridge without washing or in an insufficiently washed state, the generated hydrogen water may smell.
- When the ceramic particle cartridge is replaced, clean the new one in the same way.
- The ceramic particle cartridge contains calcium balls. The calcium balls will deteriorate.



Charge

The battery has not been charged sufficiently when shipped. Charge the battery before using it.



- If you do not charge for a while, the battery may discharge electricity and be unusable. It is recommended to charge the battery frequently.

Required charging time is about 3 hours in case of a dead battery.

1 Open the cap of the power connection port.

2 Insert the exclusive USB cord connector into the power connection port, so that the grooved side is downward.

Make sure that the grooved side of the USB cord connector faces downward and insert it into the power connection port firmly and horizontally.

3 Insert the connector of the exclusive USB cord into the AC adapter attached and plug it into an outlet.

The LED lights up red, and charging starts.
When the charging is completed, the LED lights up orange.

Notice

- It is also possible to charge by connecting the USB cord to a USB port on a computer.
- When charging the battery using PC port, there is a case that the LED does not light up in red, or the LED flashes. In this case, the charging voltage is not high enough. Try changing the connection port.
- When the remaining battery capacity is low, the LED may turn off during generation (before the specified time). In this case, charge the battery for 15 minutes or longer and generate the hydrogen water again.
- Remove the AC adapter from the outlet when not in use.
- The AC adapter attached is manufactured for use in Japan. It can be used, however, in any other country other than Japan.
- Because the shape of the power outlet varies depending on the country and region, a plug adapter is required. Please purchase a plug adapter after consulting with a travel agency or dealer.

Generate hydrogen water, sterilizing water (hypochlorous acid water) or ozone water

The amount of generation (the amount of foam) is small at the beginning of use, so pour 50 ccs of tea (green tea, black tea, etc.) into the bottle, keep it in place for 1 hour or more and wash it before use. If you continue to use the product and the amount of bubbles decreases again, do the same operation.

1 Open the cap, fill the bottle with water and close the cap.

- When using hot water, mineral water, pure water, sterilizing water or ozone water, remove the ceramic particle cartridge.
- When using hot water → page 25

When generating hydrogen water

When the ceramic particle cartridge is installed : Water volume is 360cc or less

When the ceramic particle cartridge is not installed : Water volume is 380cc or less

When generating sterilizing water (hypochlorous acid water)

Remove the ceramic cartridge, pour water into the bottle, and add 1 g of purified salt (a spoon full of salt) to it. Never stir it. If you stir it, the effective chlorine concentration will be 1/10 or less.

When generating ozone water

Please pour 100 cc of tap water into the bottle.

2 When generating hydrogen water

Press the generation button twice or three times continuously (within 3 seconds).

Twice continuation: 1 minute mode 3 times continuation: 3 minutes mode

- If you do not press the number of times in succession, the power will not turn on and generation will not start.

When generating sterilizing water (hypochlorous acid water)

Press the generation button for 3 seconds or longer.

- When generating sterilizing water (hypochlorous acid water), water droplets may come out of the hole on the bottom of the base generator. So please use the attached coaster.

When generating ozone water

Press the generation button for 3 seconds or longer.



3 After the LED flickers, it will light up and make a sound, and generation will start after about 2 seconds.

Hydrogen water (1 minute mode) : Beep · Blue light flash up once ⇒ Blue lights up

Hydrogen water (3 minutes mode) : Beep · Blue light flash up 2 times ⇒ Blue lights up

Sterilizing water · ozone water (5 minutes) : Long beep · Green light flash up 2 times ⇒ Green lights up

- When you press the generation button 5 times continuously, the sound can be switched on and off.
On: Beep (Once) Off: Beep-beep (Twice)
- When you want to stop generation, press the generation button once.



4 When generation is completed, beep-beep sounds and the LED turns off.

- When the remaining battery capacity is low, the LED flashes up in red five times after generation completed.

Caution

- When generating sterilizing water (hypochlorous acid water), strong alkaline water comes out from the bottom of the base part. Please be sure to put it on the coaster attached. If it adheres, it may cause discoloration. After generating sterilizing water, generate hydrogen water (3 minutes) with tap water and discard. Normal hydrogen water generation will be impossible without that operation. Please note that after sterilizing water generation, the strong alkaline water that remains in the base generator may come out due to vibration.

Notice

- Stir the sterilizing water (hypochlorous acid water) in the bottle and then dilute it 10 times before use. When using it for new coronavirus, dilute it 2-3 times. It is also possible to use it without dilution. After generation, chlorine odor will remain in the bottle. Thoroughly clean after use.
- If the LED turns off during generation (before the specified time), the remaining battery capacity is low. Try to generate the water again after charging for more than 15 minutes.
- Bacteria tend to increase faster in hydrogen water than in tap water. Do not drink the generated hydrogen water that has been left for a long time.
- Hydrogen is easier to escape as the water temperature, air temperature or room temperature increases. It is recommended to generate the hydrogen water left in the product again after time passed for a while to increase the hydrogen concentration.
- Hydrogen concentration of generated hydrogen water varies depending on the water quality.
- Remove the ceramic particle cartridge from the cap and dry it after use. Humidity of the ceramic particle cartridge may promote the growth of mold and the function of the ceramic particle deteriorates quickly.
- When generating sterilizing water or after that generating hydrogen water, strong alkaline water will come out from the bottom of the base generation. So be sure to use a coaster and wipe the bottom well with a cloth. Please note that after sterilizing water generation, the strong alkaline water that remains in the base generator may come out due to vibration.
- Sterilizing water is not drinkable.
- Please use sterilizing water for sterilization and deodorization.
- Do not generate sterilizing water repeatedly with the same water. Do not generate sterilizing water with more than the specified amount of purified salt. Otherwise, it may cause the product to fail.
- When cleaning the coaster and the bottom of the base, use rubber gloves to prevent the strong alkaline water from touching your skin.
- After using the coaster, wash with running water and dry it well. Otherwise, it will be easy for mold to grow on the coaster.

■ When using hot water

Be sure to keep the water level below the bottle screw. (right illustration: below the red line)

- Since the temperature of the bottle gets high, wear gloves or use a dry cloth to prevent scald.
- It may cause scald if you drink directly. Try to drink hot water after pouring into another vessel and check the temperature of water.
- Remove the ceramic particle cartridge before use.



■ When storing Silky Pure

Pour 100 cc of water into the bottle and press the generation button for 3 seconds or more to generate ozone water. After generation, shake the bottle once or twice to disinfect the bottle. To prevent the membrane from drying, keep it with ozone water in it. Even if you do not use it, wash it every 3 days and replace it with water to generate ozone water.

■ When keeping sterilizing water

Please keep it in a cool and dark place. Please use it within one week. When diluted, please use it as soon as possible. Depending on the container and storage method, the concentration of hypochlorous acid will be low and the effect will reduce.

How to care

Clean the inside of the product daily for hygienic use.

Remove the parts and clean them as follows. (How to remove parts → page 23)

Notice

- Do not use a dishwasher or a dryer.
- Please note that if you use neutral detergent with a strong scent, it could be transferred to the product.

Ceramic particle cartridge

Rinse the ceramic particle cartridge with water. Then wipe the ceramic particle cartridge with a towel and dry it in a well-ventilated place.

- Since stain on the ceramic particle cartridge may cause smell, it should be cleaned and dried daily. Humidity of the ceramic particle cartridge may promote the growth of mold and the function of the ceramic particle deteriorates quickly.

Base generator

Apply mild detergent to a soft sponge, wash the base generator with gentle stroke, and rinse it well.

The packing of the base generator is removable, so clean it regularly.

- Make sure to close the cap of the power connection port firmly when you clean the base generator.
- If white deposits such as calcium are observed on the electrode plate, pour about 60 °C hot water into the base generator and add commercial pot cleaner or about 5 g of citric acid. Dissolve the citric acid well and wash the base generator for 12 hours. When cleaning the product in this way, remove the ceramic cartridge.
- Apply running water to the bottom of the generator to wash away the strong alkaline water. Wipe the bottom of the base with a cloth well. Please note that after sterilizing water generation, the strong alkaline water that remains in the base generator may come out due to vibration.
- Wash the coaster with water and dry it well. Use rubber gloves when cleaning the base generator or the coaster.

Base generator packing



Bottle

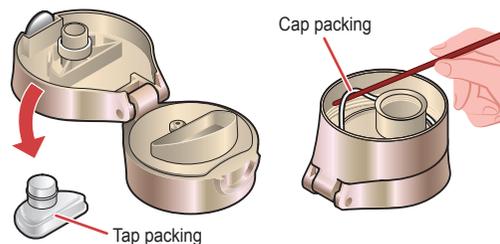
Apply mild detergent to a soft sponge, wash the bottle with gentle stroke, and rinse it well.

- Do not boil the bottle in hot water for cleaning. Otherwise, the bottle may shrink.
- Do not rub with force. Otherwise, there is a risk of scratch.

Cap

Apply mild detergent to a soft sponge, wash the cap with gentle stroke, and rinse it well. Then wipe the cap with a towel.

The tap packing and the cap packing are removable, so clean them regularly.



When you think “Is it a failure?” (Troubleshooting)

When you think “Is it a failure?” Please read the following. If you still have the problem after reading this instruction manual, please make contact with your dealer or our customer support center.

The generation does not start when you press the generation button.

- Press the generation button twice (or 3 times) in a row. When generating sterilizing water, press the generation button for 3 seconds or longer.

Water leakage.

- Make sure that the cap is securely closed.
- Make sure that the packings of the cap and the base generator are installed. (→ page 22)
- Make sure that the cap and the base generator are screwed firmly into the bottle. (→ page 23)
- When generating sterilizing water, water droplets may come out of the hole on the bottom of the base generator. It's not a malfunction. Please use the attached coaster.

Water overflows.

- Is there too much water in the bottle? Please follow the information about the amount of poured water below.
When the ceramic particle cartridge is installed: 360cc or less
When the ceramic particle cartridge is not installed: 380cc or less
When using hot water: Keep the water level below the bottle screw. (→ page 25)

LED turns off during generation (before the specified time).

- The remaining battery capacity is low.
Try to generate the water again after charging for 15 minutes or more.

Unable to charge battery.

LED does not light up in red.

LED flickers red.

- Make sure that the exclusive USB code connector is firmly inserted into the base generator.
The connector has a top side and bottom side. (→ page 24)
- Make sure that the AC adapter is firmly plugged into an outlet.
- If the USB cord is connected to a USB plug of a computer, make sure it is turned on.
- Some computers have low voltage power ports. Try changing the connection port.

Product Specifications

Dimensions	φ75 mm × 220 mm	
Weight	280 g (When the ceramic particle cartridge is installed)	
Capacity	When ceramic particle cartridge is not installed	380 cc
	When ceramic particle cartridge is installed	360 cc
Power supply	Battery type	Lithium-Ion Battery
	Battery capacity	1400 mA/h
	Charging time	About 3 hours
	USB input	DC5 V, 1.0 A
Material	Cap	PCT resin
	Bottle	PCT resin
	Base generator	PCT resin
	Electrode plate	Titanium + platinum plating
	Packing	Silicon
AC adapter (PSE standard product)	Power supply	AC100 V - 240 V, 50 Hz/60 Hz, 0.2 A
	Output	DC5 V, 1.0 A
Hydrogen concentration (ORP) ^{※1※2}	Water (3 minutes mode)	About 1000 ppb, About -600 mV
	Water (1 minute mode)	About 550 ppb, About -400 mV
	Hot water	About 600 ppb, About -550 mV

Sterilization ability ^{※1※2※3}	pH: 2.9~3.5 (When generated)	
	Effective chlorine concentration 200~240ppm (When generated) ● Please use it after diluting 10 times. ● When using it for new coronavirus, dilute it 2-3 times. It is also possible to use it without dilution. ^{※4※5}	
Ozone water		About 20 ppb
The practical use number of times ^{※6}	Hydrogen water (3 minutes mode)	About 15 times
	Sterilizing water	About 15 times

- ※1 This is the value measured when the battery is fully charged.
- ※2 Values vary depending on water quality.
- ※3 When generating sterilizing water with tap water and 1g of purified salt.
- ※4 When using it for wiping, remove dirt (organic substances: hand stains, oils, etc.) in advance.
- ※5 If you are sensitive to chlorine, adjust the dilution amount before use.
- ※6 This is the practical use number of times of the product when the battery is fully charged. (an approximate number).

■ Water-resistant

This product is water-resistant (IP55). IP55 indicates that the level of protection against human bodies and solids is 5, and the level of protection against water invasion is 5.

Notice

- Specifications are subject to change without notice for improvement.
- Specifications and design described in this document are as of December 2019.

Warranty

The warranty period is one year from the date of purchase. (Accessories excluded)

Under warranty, repair or replacement of defective parts shall be performed free of charge in case of malfunction, except the cases occurs mentioned below. When requesting free repair, please make contact with the dealer that you purchased from or our customer support center, with this warranty book.

Please note that the warranty does not cover the following cases.

- ※ Failure to present this warranty. (including the absence of the date of purchase and the name of the distributor)
- ※ When the sticker indicating the serial number is not attached to the above of the power connection port. (when the serial number is unknown)
- ※ In the event of damage due to intentional or inadvertent acts or malfunction due to disassembly or modification of the base generator.
- ※ In case of damage due to transportation after purchase.
- ※ Malfunction is caused by peripheral devices other than this product.
- ※ In the event of damage or malfunction due to natural disasters such as fire, earthquake, wind, and flood.
- ※ In the event of damage or malfunction caused by wrong use method that does not follow directions of the instruction manual.
- ※ When consumables run out and be replaced.
- If you have any questions about repair after warranty period please make contact with the dealer from which the product was purchased or our customer support center.
- The certificate is not reissued. Keep it carefully.
- The warranty is valid only in Japan and China.

製品保証書 / 产品保修书 / Product warranty

製造番号 出厂序号 Serial number	HWP-369OH		
ご購入日 购入日期 Date of purchase	年 Year	月 Month	日 Day
お客様名 顾客姓名 Customer Name			
ご住所 住所 Address	〒 -		
電話番号 电话 Telephone number	()		
販売店名 销售店名 Dealer name			

お問い合わせ先

ジームス カスタマーサポート

0800-888-3369 (フリーダイヤル)

受付時間 10 時～17 時
(土・日・祝日、年末年始、夏季休業を除く)

e-mail : support@gyms.co.jp

WeChat ID: 江田水素Gyms

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オンラインストア

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