



HydroGen I Operations Manual

Congratulations on your purchase of the **HydroGen I**! You have just acquired the world's most advanced and efficient technology for the production of Molecular Hydrogen gas on-demand, in a form that conveniently sits on a counter-top and is easily portable.

Each **HydroGen I** is hand-made in the U.S.A. with the highest quality materials and to exacting standards for a long life with very little maintenance.

Your **HydroGen I** comes completely assembled and ready for use. It has been thoroughly tested prior to shipment, so there may be moisture in the Molecular HydroGen I. This is normal. You will be experiencing the effects of Molecular HydroGen I gas minutes after unpacking! Simply add distilled water!

Your **HydroGen I** is very safe to use and has helped thousands of people. However, there are a few things that you need to be aware of to use your **HydroGen I** safely. Before proceeding, please read the following warnings:

WARNING: HydroGen I is an extremely explosive gas. This Molecular HydroGen I Generator splits Water (H_2O) into HydroGen I and Oxygen. Although HydroGen I dissipates very rapidly, the gas produced is ALWAYS in an explosive state when in the proper concentration. NEVER use in the presence of open flames or where sparks may occur. NEVER Smoke when using this device. Failure to follow these instructions can irreversibly damage the Molecular HydroGen I Generator, voiding the warranty and may cause personal



injury. All precautions have been taken to make this Molecular HydroGen I Generator safe for you to use. However, if you abuse it and ignore these warnings, injury may occur. Please use Common Sense!

WARNING: The packet of electrolyte mix contains Sodium Hydroxide (NaOH, commonly known as "Lye" or Caustic Soda) which is a strong base and is a corrosive irritant and can cause skin

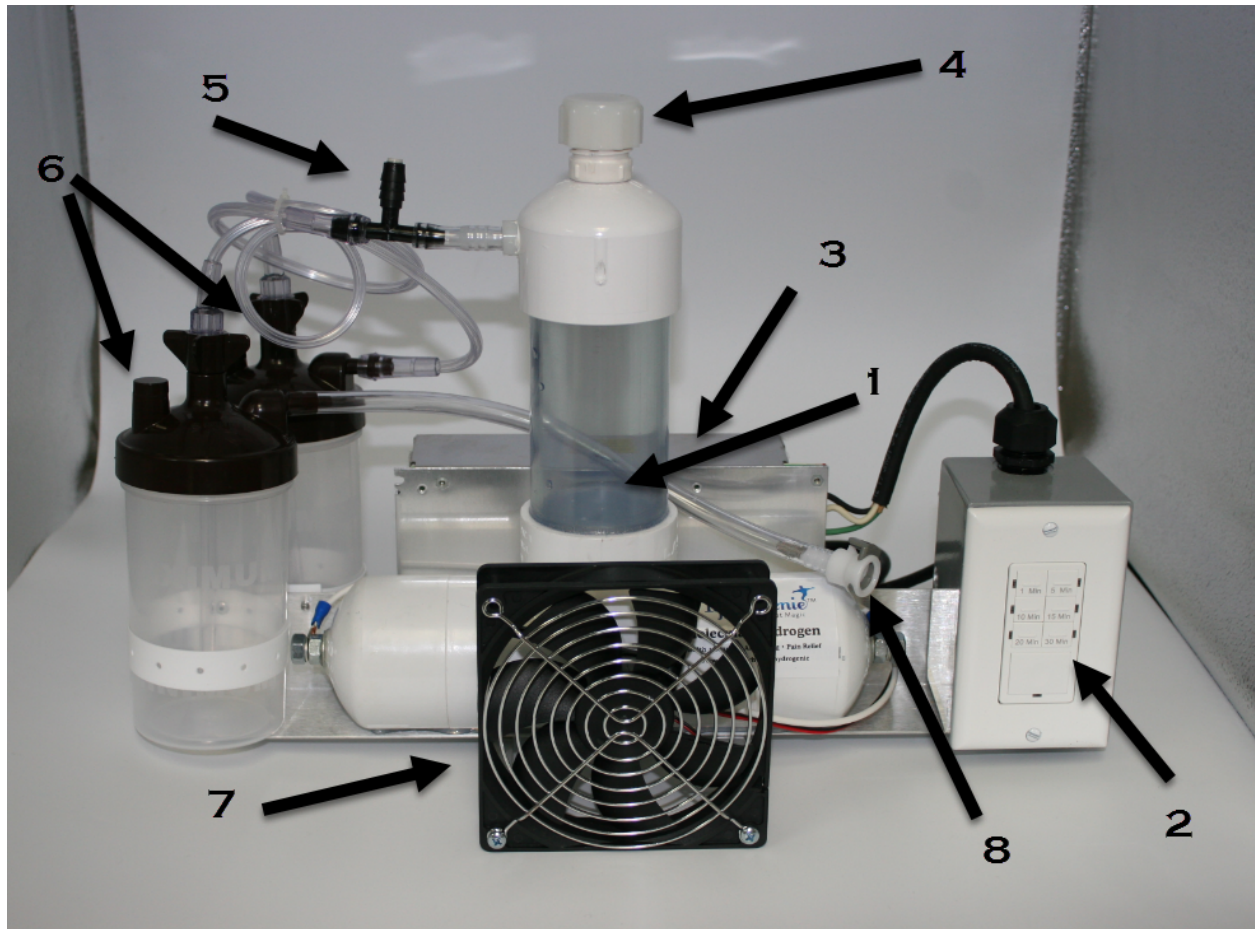


burns. **DO NOT EAT.** If you accidentally spill any dry electrolyte or come into contact with the mixed electrolyte, wash the affected area with Vinegar and immediately flush with water. If it touches your skin and your skin isn't as sensitive and you experience no "itching", reddening or burning, you can simply rinse with cold water until the "slippery" feeling goes away. Long sleeves, gloves and eye protection are strongly recommended when handling the electrolyte mix. Always mix in a well-ventilated area or outdoors. DO NOT INHALE fumes when mixing, doing so can cause lung inflammation and throat swelling. DO NOT ADD WATER to dry electrolyte mix. Always add the electrolyte mix into water, SLOWLY, while stirring, until it becomes clear. Then add more. Mixing Sodium Hydroxide in water is an exothermic (gives off heat) chemical reaction and will cause the water to become warm. This is normal. Sodium Hydroxide is used in making soap and can be handled very easily and very safely when using the instructions above.

Now, that the warnings are out of the way, you're ready to begin the assembly process.

HydroGen I Parts:

The following picture shows the parts of the **HydroGen I**, followed by their descriptions:

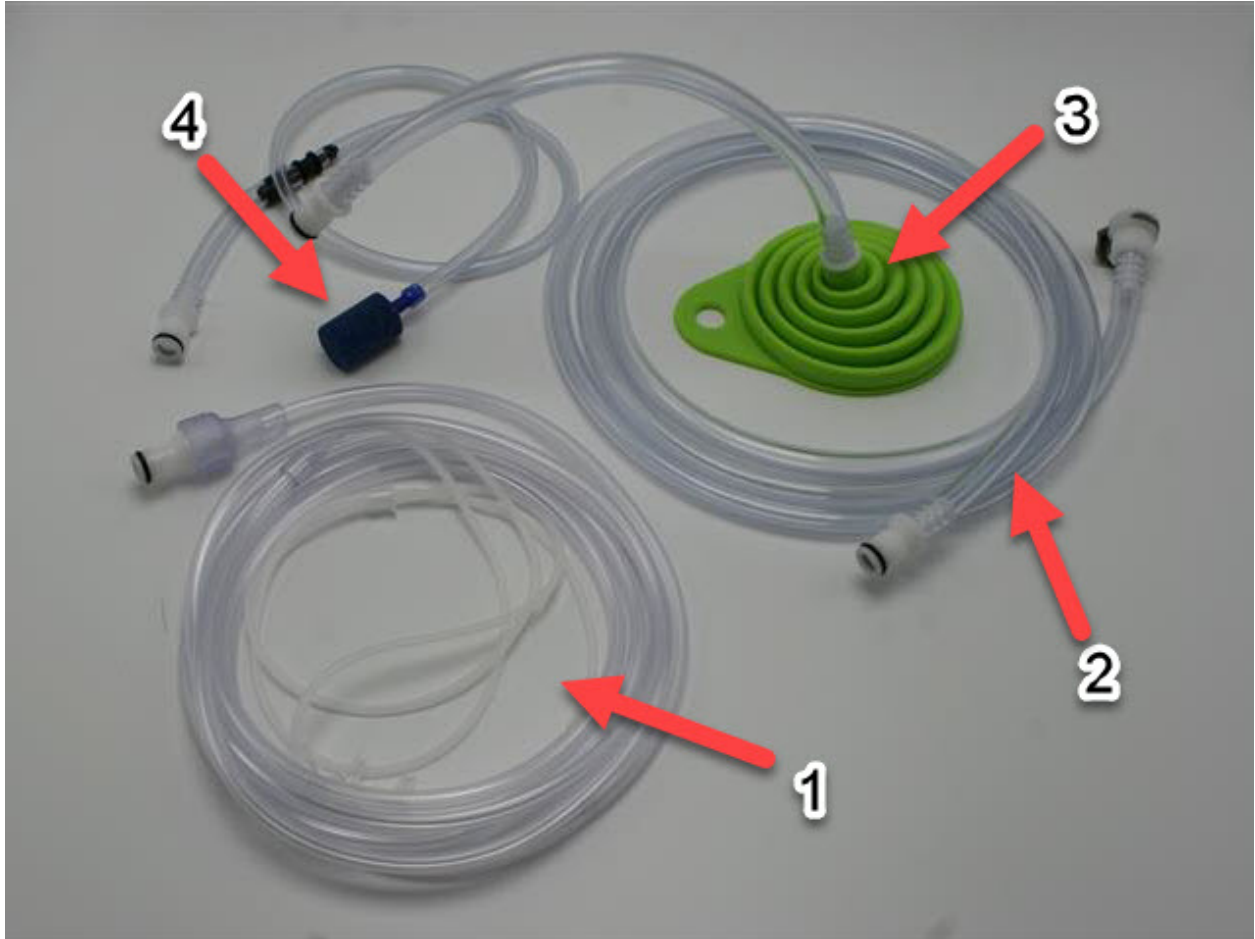


1. Molecular HydroGen I generator
2. Timer Switch
3. Power Supply
4. Threaded Fill Cap
5. Gas Contraction Vent
6. Gas Purifier Cups
7. Cooling Fan
8. Gas Output Connector for Accessories

Not Shown: 10 foot Power Cord

Accessories:

The following picture shows the basic accessories available for the **HydroGen I** which are included with every order. We have other optional accessories available, and also add new accessories from time to time. For the latest list, see the **HydroGen I** website:



1. Two Nasal Cannulas (for Inhalation)
2. Extension Hose
3. External Gas Applicator
4. Water Infuser/Ionizer

Each accessory comes complete with a medical-grade connector that connects to the main **HydroGen I** gas output connector.

Assembly and First Use:

1. Unpack the **HydroGen I** and all accessories from the shipping box.
2. Place the **HydroGen I** on a level surface.
3. Place 16 oz. (2 cups) of distilled water into a kitchen measuring cup with a pour spout.
4. Locate the packet of electrolyte mix in the gas purifier cup on the far left of the **HydroGen I**
 - a. Carefully remove the cap by unscrewing the cup while holding the cap, and remove the packet.
5. **IMPORTANT: Before accomplishing the following, read the WARNING above about the electrolyte mix.**
 - a. Using a stainless steel or plastic spoon, stir the water while ***SLOWLY*** pouring the electrolyte mix into the measuring cup.
 - b. Add a little at a time, while stirring, until the water turns from cloudy to clear.
 - c. Keep adding, while stirring until all the contents of the packet have been added in the water.
 - d. Properly dispose electrolyte mix packet.
 - e. Continue stirring until the water is clear again. This indicates that the electrolyte is completely dissolved.
 - f. The water will become warm as the electrolyte mix dissolves. This is normal and expected.
6. Remove the fill cap on the top of the **HydroGen I** by unscrewing.
7. Place a towel over the **HydroGen I** to protect it from any inadvertent spills.
8. Using a small funnel, slowly and carefully pour the dissolved electrolyte into the **HydroGen I** without spilling.
9. Once all dissolved electrolyte is poured into the **HydroGen I**, add more distilled water until the water level is about 3/4 of the way up the clear tube.
10. Replace the fill cap and tighten hand-tight.
11. Fill the two plastic Gas Purifier cups with Distilled Water.
 - a. Only use **Distilled Water** for the Gas Purifier cups
 - b. Carefully lift one cup out of the cup holder
 - c. While holding the cap, carefully rotate the cup to unscrew
 - d. Fill cup to the "Maximum" line
 - e. Screw cup back onto the top and insert back into the holder.
 - f. Repeat with the second Gas Purifier cup
 - g. When re-attaching the cups, make sure that the caps are not cross-threaded, which can cause leaks.
 - h. Make sure that the tubing is not kinked or twisted.
12. Plug in the **HydroGen I**
 - a. Make sure that the lights on the timer are illuminated
13. Press the "1 Min" button

- a. Within a few seconds, gas bubbles should begin to form in the Molecular HydroGen I generator and become visible in the clear tube.
 - b. The gas will also begin to bubble through both of the Gas Purifier cups
 - i. If bubbles do not appear in both Gas Purifier cups, ensure that the fill cap is properly seated and tightened.
 - ii. If bubbles still do not appear, make sure that the lids are seated correctly and not cross-threaded.
14. Press the "Off" button (large button at bottom of timer)

Congratulations!! Your **HydroGen I** is set up and ready to use!

Using the Timer Switch:

When first plugged in, the Timer Switch will flash all of the LEDs 3 times and then the light near the "1 Min" and large "On/Off" button will illuminate.

The following times are available:

- 1 Minute
- 5 Minutes
- 10 Minutes
- 15 Minutes
- 20 Minutes
- 30 Minutes
- "Constant On"

To start the **HydroGen I**, simply press the desired time button. The LED associated with that time will illuminate, the light near the large On/Off button at the bottom will turn off and the **HydroGen I** will begin operation for the time selected. 10 seconds before the timer stops, the illuminated light will flash several times.



To stop the **HydroGen I** while it is running, simply press the large On/Off button at the bottom or unplug the unit.

To operate the **HydroGen I** in "Constant On" mode, press and hold the large On/Off button at bottom of timer switch for 4 or more seconds. The **HydroGen I** will start and NO LIGHTS will be illuminated. The **HydroGen I** will continue to run until you press the On/Off button again.

Normal Usage of the HydroGen I

Your **HydroGen I** is designed to be used for 3 different types of applications:

- Inhalation
- Infusing/Ionizing Water
- Direct Gas Application

Inhalation:

The gas that the **HydroGen I** produces has been shown to be completely safe through many studies and even widespread use by the U.S. Navy for deep diving without exposing divers to the risks of Decompression Sickness, commonly known as *The Bends*.

Inhaling the gas gives the body an enormous amount of Molecular HydroGen I and makes it immediately available to the body by having the lungs directly transmit it into the blood.

To inhale the gas, simply connect a Cannula to the unit and insert into your nose, with nasal tubes pointing downward. Then gently position each side of the tubing over the top of your ears and let it fall under your chin. You're now ready to experience the power of direct inhalation!

Starting Out: Because Molecular HydroGen I is highly available in the gas and so easily absorbed through the lungs, it is recommended to begin breathing no more than 1/2 hour per day in the beginning. After a few days, you can increase to 1/2 hour in the morning and 1/2 hour in the evening.

Daily Usage: Once your body has experienced the Molecular HydroGen I for the first week with the *Starting Out* protocol, you may begin to increase the time, if you desire. If possible, breathe the gas at least 1/2 hour morning and evening, or as you desire throughout the day. Results will happen faster if you can breathe 1-2 hours (or more) per day. The eyes are the organs most susceptible to oxidation stress. People who breathe the gas longer have reported sharpening of their vision in as little as a several weeks.

Advanced Usage: You can continue to increase the time as you feel right for your body. Some customers will use the Cannula while they work at their desk, as it doesn't interfere with work, or even with speaking on the phone. Another way to

use it is to sleep with the Cannula attached and enjoy Molecular HydroGen I the entire night. Experiment to find out how you'd like to use it to enhance your life!

WARNING: It is important to breathe *normally* when using the Cannula. Over-breathing (similar to Hyperventilation - breathing too often and too fast) can lead to light-headedness. When you are breathing too much, too fast or even too deeply on each breath, you can cause an imbalance in the blood chemistry known as Alkalosis of the blood. This occurs when the body removes too much Carbon Dioxide from the blood. This is not the Molecular HydroGen I causing the lightheadedness, but simply too much breathing. Relax and breathe normally and this will not occur.

Infusing/Ionizing Water with Molecular HydroGen I:

HydroGen I makes it simple to infuse Molecular HydroGen I into drinking water. Bubbling the water will accomplish the following:

- Infuse (dissolve) Molecular HydroGen I into the water
- Ionize the water
- Raise the pH (8.5 or more)
- Lower the ORP (get ORP reduced to -307 in 10 minutes!)
- Infuse (dissolve) Oxygen into the water
- Greater hydration possible with this water, as the surface tension is reduced
- Other benefits that science is just starting to understand

To infuse the water, connect the infusing stone accessory to the **HydroGen I** and place the infusion stone into a glass of clean water. HydroGen I dissolves more readily into warmer water, so don't refrigerate the water prior to infusing.

Tip: *Always use room temperature (or warmer, 80 degrees F) water for infusing. Water accepts more HydroGen I when warmer. You can then refrigerate in an Aluminum container, if you desire cold drinking water.*

Recommendation: Fill a 16 oz. (500 ml) glass with water and press the "10" minute button. Our testing has shown that this has the greatest benefit in the least amount of time. Infuse and drink this water TWICE per day, at a minimum.

If you have 2 people that want to drink the water, put the infusing stone in a quart (32 oz./1 liter) of water and bubble for 10 minutes. It will have the same effect and benefits.

Here is a chart that lists the times for optimum water infusion with the **HydroGen I**. Remember to use room temperature water for best HydroGen I infusion into the water. If water is colder, increase the time:

Quantity (@ 68 degrees F)	Time
8 oz / 250 milliliters	10 minutes
16 oz / 500 milliliters	10 minutes
32 oz / 1 liter	10 minutes
64 oz / 2 liters	15 minutes
1 gallon / 4 liters	15 minutes
5 gallons / 20 liters	30 minutes

Drink the water as soon as possible, as the dissolved HydroGen I will begin to escape immediately after infusion. Similar to how soda loses its "fizz" when left open. Complete dissipation occurs over time, with the half-life of infused HydroGen I being about 2 hours (at 2 hours, only one-half of the infused HydroGen I remains in the water), if left undisturbed. The HydroGen I will escape more quickly with agitation or large surface area.

To gain the full health benefits of drinking this special water, it is recommended that you use "Well" water, Natural Spring water, Reverse Osmosis water, or filtered water for this. It is not recommended to use normal "City" or "Tap" water with chlorine, flouride, etc. Use that only as a last resort, if you have no access to the other waters mentioned. If you are considering using Distilled water, that is fine, also.

Recommendation: For even better infusion rates, use Aluminum* drinking water bottles. HydroGen I will not escape as quickly because Aluminum is a metal that can effectively contain HydroGen I. See the **HydroGen I** website to get an approved bottle.

* **Important Safety Note:** Unlined Aluminum oxidizes in drinking water almost immediately. This oxidation places a protective barrier between your drinking water and the Aluminum metal. The Aluminum of the unlined drinking water bottle never comes into contact with your drinking water. Therefore, you are not in danger of getting Aluminum particles or ions in your water. If you are still unsure, you may use Stainless Steel - but it will not be as effective in containing the HydroGen I in the water for longer storage. See our YouTube channel for the results of the Aluminum test we did after 51 hours of water exposure in an unlined Aluminum bottle.

Novel Uses for infused water:

- You can water your plants with the infused water - and watch what happens!
- Use as a skin toner after washing your face, neck and hands. Splash/spritz on, rub, and let air dry
- Use to help with minor burns (Sunburn, 1st and 2nd degree). Soak in infused water for several minutes - or apply to burned area and keep moistened by wetting occasionally and enjoy the results! When immersed, results happen within a few minutes, when moistening skin, results can occur in as little as 30 minutes.

Direct Gas Application:

Some wonderful things have been observed when applying the gas directly to areas of pain, etc. Hook up the Extension Hose and then connect the flexible Gas Applicator. Once connected, use it to apply the gas to a particular spot. Results that last can happen in as little as 10-15 minutes.

You may also use a re-sealable plastic storage bag to place your hand or foot into, and then, connect one end of the Extension Hose to the **HydroGen I**, and place the other end of the Extension Hose into the bag and seal it down so that the gas cannot freely escape. Placing the open side of the bag facing down will let the gas collect in the bag so that it can be applied to the hand or foot.

When you have pain that is acute, apply the gas directly to the point of pain. When you have finished applying the gas there, it is recommended to also place the Applicator Cup underneath the area having pain, and let the gas flow UPWARDS through the location. This is particularly important for joints, etc. In this way, the gas is assured of getting into the area that needs help.

Some people have found the **HydroGen I** helpful for the following things:

- Muscle aches and pain
- Tight muscles
- Joint pain
- Arthritis Pain (including Rheumatoid)
- Contusions
- Bumps
- Bruises

- Gout
- Inflammation
- Unknown Reason for Joint Weakness/Pain
- Instability of Joints in doing certain activities

Experiment with direct application and let us know what you find helpful.

Portability:

The **HydroGen I** is extremely portable. Not only is it lightweight, allowing you to move it about your home, but it also will work in an automobile with an AC power inverter adapter. **ONLY a "Pure Sine Wave" inverter will work. DO NOT purchase a "Modified Sine Wave" inverter.** You can find the correct AC inverters online - they are usually the more expensive version of an inverter, and not the cheap variety that are available everywhere. As long as it is kept upright, you can take your **HydroGen I** with you when you go on the road. Some people have used inhalation even while driving, to combat stiffness of long trips. Please be careful not to tip it over, or spill. Storing on the floor behind the driver's or passenger's seat is a stable place for travel. In an automobile, use a 20 Amp fused circuit to provide ample power with no danger of blowing a fuse.

A word about the Cooling Fan:

The cooling fan is designed to keep the **HydroGen I** cool so it does not exceed its operating temperatures. Please make sure that the fan is not blocked and can provide a cool breeze to the **HydroGen I**!

Refilling your HydroGen I

During the course of normal operation, Water (H₂O) is broken down into its components of HydroGen I and Oxygen, creating the gas that exits the machine, and the water level will decrease in the clear tube. When this occurs, *the electrolyte remains in the generator*, but more distilled water needs to be added.

IMPORTANT: Only use distilled water to refill the HydroGen I generator. See "Recycling Electrolyte Tip" below, as well. To Refill, follow these steps:

1. **Always use a towel** to protect the **HydroGen I** from accidental spills!

2. Remove the fill cap on the top of the HydroGen I by unscrewing.
3. Using a small funnel, carefully add distilled water until the water comes up to about 3/4 of the way up the clear tube.
 - a. Be careful to not add the water too fast and cause the fill port to overflow
4. Replace the fill cap and tighten hand-tight.
 - a. DO NOT OVERTIGHTEN - it doesn't take too much to seal the cap.
 - b. While running the machine, tighten the cap just enough so that bubbles begin to appear in the Gas Purifier cups.
 - c. If no bubbles are showing up in the Gas Purifier cups, you may need to tighten the cap a bit more.
 - d. If the cap is tight, and no bubbles are coming out, you may have a cross-threaded lid on the Gas Purifier cup.
5. You are now ready to continue using your **HydroGen I**.

Maintaining your HydroGen I

There are no customer serviceable parts on the **HydroGen I**. However, with proper maintenance, your **HydroGen I** will provide years of high-quality gas production.

Changing Gas Purifier water:

It is very important to change the water in the Gas Purifier cups every week, assuming daily usage of the **HydroGen I**. If you are heavily using the **HydroGen I** for many hours per day, daily change may be required. Doing so will ensure that the purity of the Molecular HydroGen I gas will be maintained for greatest health benefits.

ONLY USE DISTILLED WATER for the Gas Purifier cups.

Electrolyte Recycling Tip: *To help conserve the electrolyte during the life of the **HydroGen I**, you can refill the generator with the Gas Purifier Cup that is in the back of the machine. This should be changed weekly, but, alternatively, you can use that cup to refill the generator, instead. Then simply refill the Gas Purifier Cup with distilled water and screw the lid back on. In this way, you won't waste any distilled water, and the miniscule amount of electrolyte odor that is in the gas to be purified and gets trapped in the water, will be recycled back into the generator. See video on YouTube for more information.*

IMPORTANT: If you ever see bubbles lingering at the surface in either Gas Purifier cup, change the cup immediately. This indicates a high concentration of impurities.

To change the water in the Gas Purifier cup, follow these steps:

1. Carefully lift one cup out of the cup holder
2. While holding the cap, carefully rotate the cup to unscrew
3. Recycle water into the Generator to refill, or dump water down the drain.
4. IMPORTANT: Only use Distilled Water for the Gas Purifier cups
5. Re-fill the cup with water to the "Maximum" line (see below for water recommendations)
6. Screw cup back onto the top and insert back into the holder.
7. Repeat with the second Gas Purifier cup
8. When re-attaching the cups, make sure that the caps are not cross-threaded, which can cause leaks.
9. Make sure that the tubing is not kinked or twisted.
10. Check to make sure that the system is working properly by attaching the Infusing stone and bubbling some water for a few seconds. If any of the cups are cross-threaded, this will tell you immediately.

Troubleshooting:

The **HydroGen I** is designed to be extremely simple to operate, but sometimes things can go wrong.

No bubbles in Purifier Cups: If the unit is running, but no bubbles are appearing in the Gas Purifier Cups, attempt to tighten the fill cap slightly.

If the fill cap is tight, but bubbles are not appearing, hold a finger over the Gas Contraction Valve . This should fix the problem.

Bubbles in the back Purifier Cup, but not the front: If bubbles are in one Gas Purifier Cup, but not the other, check to make sure that the Gas Purifier Cup lids are not cross-threaded and are secure.

Bubbles appearing in both Purifier Cups, but nothing coming out of the Infuser: If bubbles are appearing in both Gas Purifier cups, but the Infuser is not bubbling, check to make sure the front cup is not cross-threaded.

Warranty:

HydroGen I comes with:

- 3 year warranty on the Molecular HydroGen I Generator*
- 1 year warranty on the electronic power supply, timer switch and cooling fan.

* The Molecular HydroGen I Generator is built to last for a very long life - even with daily usage.

Disclaimer: The FDA has not evaluated any of the statements in this manual. The **HydroGen I** is not a medical device and is not meant to diagnose, treat or cure any disease in the legal, medical definitions of those terms. Please see your doctor if you think you need to get medical advice.