



Intelligent Hydrogen Generator

User Manual



Please read this manual carefully before use and retain it for future reference.

Revive Hydrogen
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Preface

Thank you for purchasing the Revive Hydrogen Intelligent High-Flow Hydrogen Generator. This product has been carefully designed and manufactured to provide high-purity hydrogen gas in a safe and reliable way. It features advanced electrolyzer technology, intelligent controls, and a simple, durable design for long-term use.

To ensure proper operation and safety, please read this manual thoroughly before using the generator. Familiarizing yourself with the instructions will help you operate the machine correctly and efficiently, maintain the generator in optimal condition, and understand important safety precautions.

We are committed to providing excellent product quality and customer service. If you encounter any problems while using this product, please contact our support team for assistance.

Product Overview

Our Intelligent High-Flow Hydrogen Generators produce high-purity hydrogen and oxygen gas through water electrolysis. It is suitable for personal or professional wellness use.

Product Specifications

Specification	Details
Product Name	Hydrogen Generator
Product Type	Hydrogen and Oxygen
Models Available	HYD-3000, HYD-1800, HYD-1500
Hydrogen/Oxygen Flow (mL/min)	HYD-3000: 3000 / 2250 / 1500
	HYD-1800: 1800 / 1350 / 900
	HYD-1500: 1500 / 1350 / 900
	HYD-3000: 750
Rated Power (W)	HYD-1800: 450
	HYD-1500: 375
Hydrogen Purity	99.992%
Net Weight	32 lbs (14.5 kg)
Power Input	AC 110 V 60 Hz / 220 V 50 Hz
Required Water	Distilled water (TDS ≤ 5)

Important Safety Information

Please read all instructions before using the machine. Failure to follow these precautions may result in damage to the unit or risk to the user.

Water Use

- Use only **purified or distilled water**. Do not use tap water, mineral water, or water containing impurities.
- When adding water, do not overfill. Add slowly to avoid overflow. Fill only until the water shortage light turns off or the MAX fill line is reached.
- If the machine will not be used for more than a week, replace the water weekly to maintain quality.

Placement & Environment

- Always place the machine on a **flat, stable surface**.
- Keep at least **8–12 in (20–30 cm)** away from walls or objects.
- Do not place near heat sources, flammable materials, or in direct sunlight.
- Do not use in environments with extreme temperature changes.
- Some condensation may appear inside the unit after shipping or factory testing. This is normal—wipe dry with a soft cloth.

Electrical Safety

- Ensure the power plug is connected to a **properly rated outlet** as indicated on the machine's rating plate. If the plug does not fit the outlet, contact a qualified electrician. Do not alter the plug or use an adapter.
- Do not operate with **wet hands** or allow the plug or unit to come into contact with water.
- Do not immerse the machine or any components in water.
- Do not use extension cords unless approved by local authorities.
- If the cord is damaged, it must be replaced by a qualified service professional.

Operation & Use

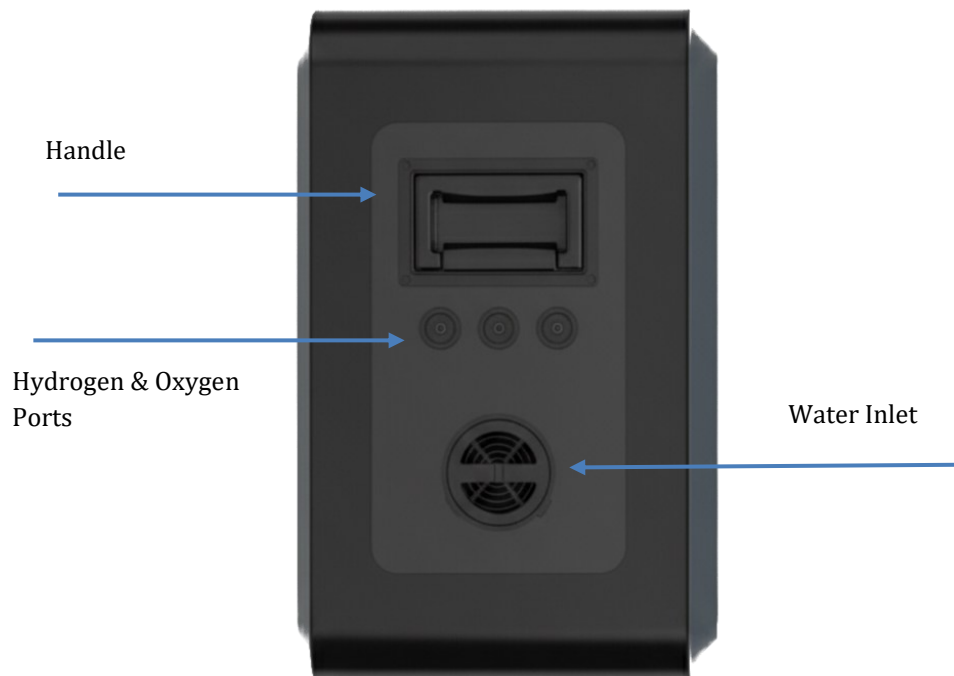
- Keep the machine **out of reach of children and pets**. Children should only use it under adult supervision.
- This product is intended for individuals able to use it safely. People with weakness, poor physical fitness, or breathing difficulties should consult a doctor before use.
- Before inhalation, allow the machine to run for **one minute** to stabilize output.
- Do not insert sharp objects, push, bend, squeeze, or strike any part of the machine.
- Do not open, repair, or modify the unit yourself.
- If abnormal noise, smell, or smoke occurs, switch off immediately, unplug, and contact support.
- Static electricity may occasionally cause a crackling sound during use—this is normal.

Cleaning & Maintenance

- Always unplug the machine before cleaning, draining, or refilling.
- Use only a **soft, dry cloth** to wipe the exterior. For heavier dirt, use a slightly damp cloth. Do not use detergents, sprays, or abrasive materials.
- Do not spray water or flammable substances on the unit.
- If storing long-term, unplug the unit and empty the water tank.
- Do not operate the machine for more than **10 hours continuously**. Allow it to cool for at least 1 hour before restarting.

Accessories

- Use only **disposable suction pipes** for personal use. If reused, sterilize in boiling water or replace with new accessories.
- Ensure all outlets are clear to prevent blockage or pressure buildup.



First-Time Setup & Operation

1. Position the Machine

- Place the unit on a flat, stable surface.
- Keep at least 8–12 inches (20–30 cm) of clearance on all sides.
- Avoid direct sunlight, heat sources, or humid environments.



2. Attach the Humidification Bottle Brackets

- Locate the two humidifier bottle brackets included in the accessory kit.
- Align each bracket with the mounting holes on the side of the machine.
- Secure using the included screws.
- Confirm both brackets are firmly attached before hanging the bottles.

3. Fill and Install the Humidification Bottles

- Fill each bottle with distilled or purified water between the MIN and MAX lines.
- Do not overfill—overfilling may cause water to enter the gas line.
- Reattach the lids securely.
- Slide the bottles into their brackets until they click into place.
- Connect the short gas outlet nozzle from the machine to the top inlet of each bottle.



4. Fill the Water Tank

- Make sure the machine is powered OFF and unplugged.
- Open the water tank cover on the top of the unit.
- Add purified or distilled water slowly until the level reaches the MAX mark or until the water shortage indicator turns off.
- Close the tank cover.

First-time priming procedure (required once):

- After filling, wait 5 minutes.
- Remove the drainage rubber plug at the bottom.
- Let water drain for 15 seconds.
- Reinstall the plug securely.
- The machine is now ready for normal use.

5. Connect the Power

- Plug the power cord into a properly rated wall outlet.
- Switch on the main power switch at the back of the machine.
- The machine enters standby mode.



6. Attach the Cannula Hoses

- **Your generator supports:**
 - Single-user inhalation, or
 - Double-user simultaneous inhalation (dual-use)



Single Use

- Connect one gas output line from the top manifold to the humidifier bottle (left or right).
- Connect the outlet of that bottle to one nasal cannula.
- Ensure each connection clicks or fits tightly.



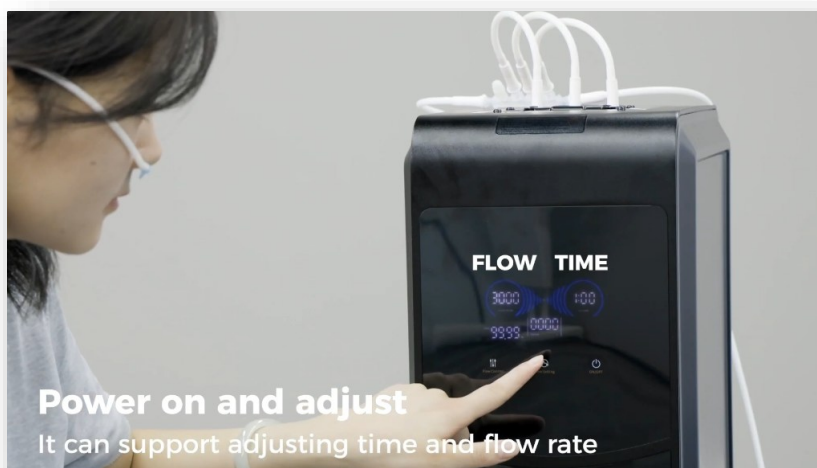
Double Use

- Connect gas output lines from the top manifold into the splitter joint.
- Route each branch line to a separate humidifier bottle.
- Attach two nasal cannulas—one per bottle.
- Ensure all hose joints are fully seated to avoid leakage.
- Important: All hydrogen must pass through a humidification bottle before inhalation.



7. Power On and Begin Operation

- Press the **Power** (Start/Stop) button on the front panel.
- Press the **Timer** button to select your desired session length (1–8 hours).
- Allow the machine to run for one minute before inhalation—this stabilizes hydrogen output.
- The timer will count down automatically.
- When the session ends, the unit returns to standby.



8. Adjust the Flow Rate

- Touch the Flow Adjustment button to choose your flow level.
 - HYD-3000: Adjustable to 1500ml/min, 2250ml/min, 3000ml/min.
 - HYD-1800: Adjustable to 900ml/min, 1350ml/min, 1800ml/min.
 - HYD-1500: Adjustable to 900ml/min, 1350ml/min, 1500ml/min.

9. Normal Operation & Standby Mode

- During operation, the machine can be stopped and placed into standby by pressing the Power (ON/OFF) button.
- For short breaks, you may leave the machine in standby.
- For long-term non-use, turn off the power and unplug the power cord.

Notes:

1. Before use, watch the setup and operation video at this link: <https://youtu.be/TekGG3e4vy0>
2. Ensure all outlets are clear; blockages may cause damage.
3. Add water slowly to avoid overflow.
4. Use only pure or distilled water. Tap or mineral water may damage the machine.
5. The flow display shows the current hydrogen output volume.
6. The display alternates between working time and accumulated hours. Accumulated hours indicate total usage time since startup.
7. If any indicator (TDS, water shortage, full water, overheat, imbalance) turns on, the machine will stop working. Troubleshoot the cause and restart (see **Troubleshooting** section).



Adding Water

Before using the hydrogen generator, fill the water tank with purified or distilled water only.

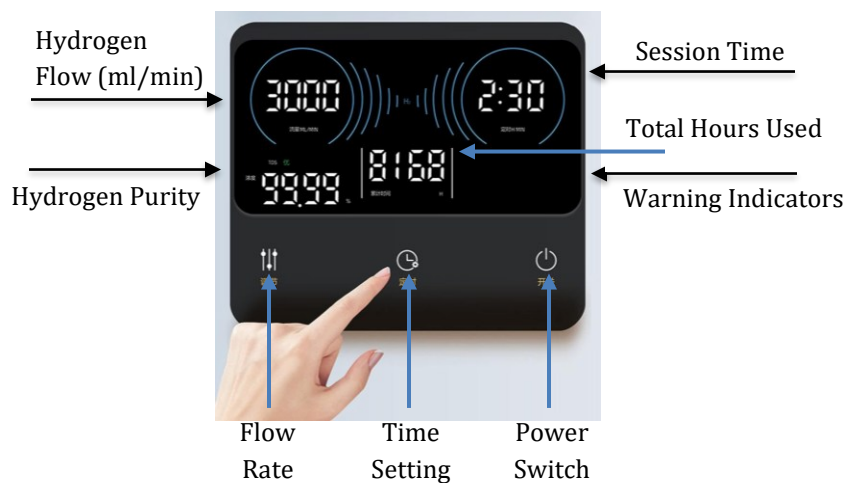
1. Ensure the power is OFF and the unit is unplugged.
2. Open the water filling port cover.
3. Pour purified or distilled water until the water level reaches the MAX line.
4. Close the filling port securely.
5. Wipe away any spills before powering on.

Draining Water

Regular draining and refilling maintains water quality and extends electrolyzer life.

1. Switch OFF and unplug the unit.
2. Locate the drain outlet.
3. Place a container beneath the outlet.
4. Open the drain plug and empty the tank.
5. Close the drain plug before refilling.

Control Panel



General Operating Instructions

1. Fill the water tank to the correct level.
2. Plug the unit into a power outlet.
3. Switch ON the main power switch.
4. Adjust flow rate and session time.
5. Press Start/Stop on the control panel to begin hydrogen production.
6. The display will show operation status and alerts.
7. Attach the nasal cannula securely.
8. Sit comfortably and breathe normally during the session.
9. Typical session duration: 30–60 minutes, unless otherwise advised.
10. When finished, press Stop, turn OFF power, and unplug.



**Scan the QR code for a
video to assist with setup.**

Troubleshooting

ISSUE	ACTION	CHECKPOINTS AND EXCLUSION POINTS
Machine will not start	Check power connection and switch.	—
TDS indicator light is on	Machine stops working; water quality (TDS) light is on. Please replace purified water in time.	Water quality does not meet requirements. 1. Open the drain port and drain the water tank. Then add pure or distilled water, drain again, and circulate once. 2. Close the drain port and refill with pure or distilled water until the light is off, then continue using.
Water shortage indicator is on	Machine stops working; water shortage light is on. Please add pure water promptly if the water level is too low.	The water volume in the tank is too low. Fill in water that meets requirements and resume after the shortage light turns off.
Water-full indicator light is on	Machine stops working; tank is full and the water-full light is on.	Too much water added. Drain to lower water level: unplug the drain port, attach the pipe, and drain excess water.
ISSUE	ACTION	CHECKPOINTS AND EXCLUSION POINTS
Unbalance indicator is on	Machine stops working; unbalanced light is on. Please place the unit on a flat level surface.	Ensure the machine is placed flat, not tilted, so normal use is not affected.
Unusual noise/smell	Stop use immediately, unplug, and contact support.	
Overheat indicator light is on	Machine stops working; overheating light is on. Wait until the temperature normalizes before use.	1. Check if the air outlet is blocked, which may cause overheating. 2. Drain and refill to lower temperature. 3. Open windows for ventilation to reduce ambient temperature. 4. If used frequently, allow more rest periods between sessions.
E7 error	Display flashes E7, indicating a faulty probe. Please contact support.	Contact your Revive Hydrogen for a replacement temperature probe.
Viewing window not lit	Disconnect power, empty tank, and let machine stand upside down overnight. If unresolved, contact support.	—
Filter element and water changed, but TDS remains high	—	Check if foreign matter is in the TDS probe. Blow air into the drain outlet to clear.
Nasal cannula feels warm / hot air comes out	—	This indicates the machine has been working for a long time. Shut down for 1 hour to allow automatic cooling.
Error code displayed	Refer to display indicators or contact support.	

Warranty Information

3-Year Limited Warranty

Backed by the manufacturer of Revive Hydrogen generators.

What We Cover

Revive Hydrogen warrants that your hydrogen inhalation generator will be free from defects in materials and workmanship for a period of **three (3) years** from the date of original purchase. If your unit develops a covered defect during the warranty period, we will arrange repair or replacement of the affected components at no charge, including parts and technical labor guidance.

What Is Not Covered

This warranty does not cover:

- **Water quality damage** — damage resulting from use of tap water, mineral water, or any water with a TDS above 5 ppm, as specified in this manual
- **Consumable degradation** — normal decline in hydrogen production capacity of the electrolyzer over time, and normal wear on nasal cannulas, goggles, and filters
- **Misuse or improper operation** — damage from use outside the guidelines in this manual
- **Accidental damage** — drops, spills, power surges, or physical damage
- **Cosmetic wear** — scratches, discoloration, or appearance changes that do not affect function
- **Unauthorized modifications** — any alteration or repair performed by anyone other than an authorized service provider

How to Obtain Warranty Service

1. Email support@revivehydrogen.com with your proof of purchase and a description of the issue. Photos or video of the problem are helpful.
2. We work with you and the manufacturer's technical team to diagnose the issue remotely — most problems can be identified without shipping the unit anywhere.
3. In most cases, the manufacturer ships the needed replacement part with instructional guidance for a straightforward swap. For more complex issues, a video call with a manufacturer technician can be arranged.
4. Our goal is to resolve every warranty issue with minimal disruption and no return shipping required in the vast majority of cases.

Additional Terms

Limitation of Liability. This warranty is your exclusive remedy. Revive Hydrogen is not liable for incidental or consequential damages arising from the use or inability to use this product.

Transferability. This warranty applies to the original purchaser only and is non-transferable.

Warrantor. Revive Hydrogen LLC, Dry Ridge, Kentucky. For questions, contact support@revivehydrogen.com.