

Hydrogen Inhaler User Manual

OPERATING INSTRUCTIONS



Introduction

Congratulations on purchasing the AgeSmart Hydrogen Inhaler. We hope you enjoy many hours of beneficial hydrogen over the years to come.

And thank you for supporting our family business.

If you have any questions, please don't hesitate to contact us on 1800 268 469. We are here to help.



Why AgeSmart?

We have been in business since 2000, and we are an Australian-owned and operated company. In our opinion, a positive client experience starts with providing good service. Our goal is to maintain a high level of customer service, with an emphasis on continual improvement. Each customer's situation is different, and we recognise this, so we work hard to find the ideal solution for each one.

Why this Inhaler?

This hydrogen inhaler has been scrutinised extensively with inhouse testing, before we put our name to it. We consider this unit to be the best Hydrogen inhaler on the market today. It is intelligently designed with safety and user in mind.



Hydrogen
Rich water
bubbler



Hydrogen
Purity
99.9%



Smart
Indicator
Lamp



Security
Settings



SPE
Technology



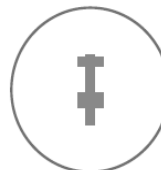
Hydrogen
Gas



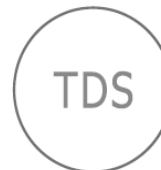
Low Noise



300 to
1500ml/min



Water Level
detection

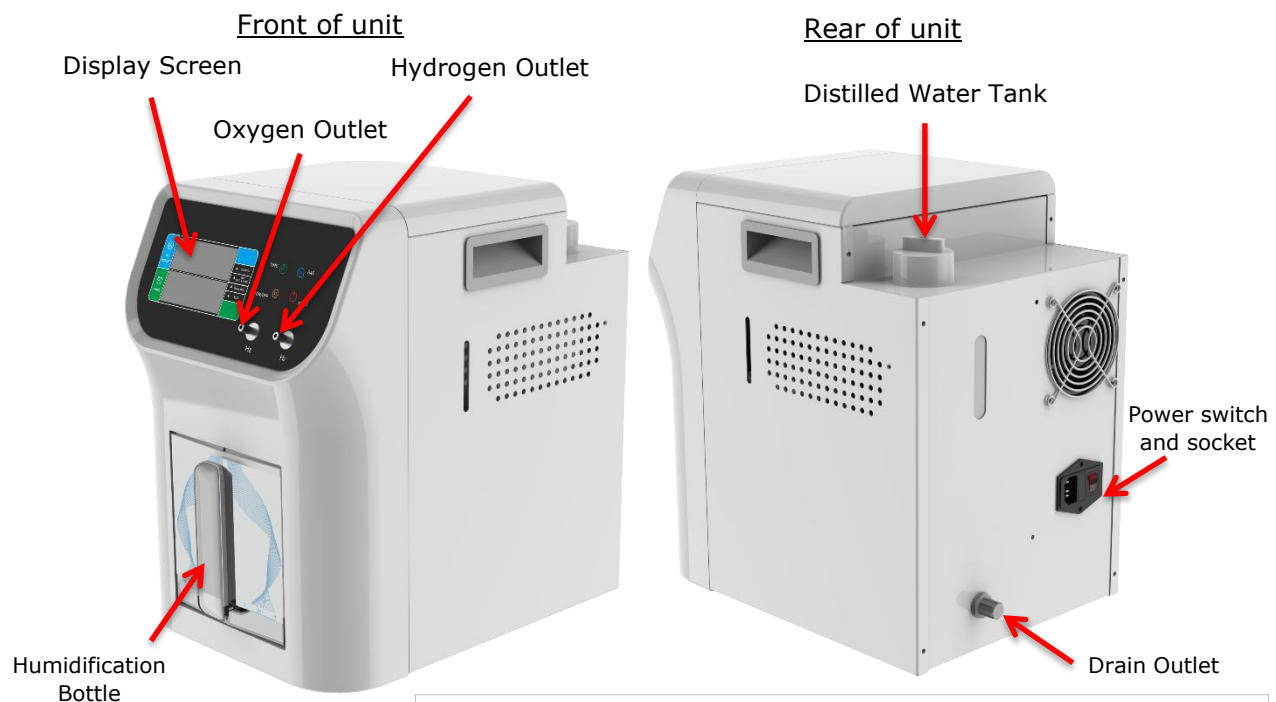


Total Dissolved
Solids
detection

Table of contents

Introduction	2
How to operate	3
1. Unboxing	3
2. Using the machine for the first time	4
3. How to use the machine (Machine operation)	4
4. Precautions	5
5. Creating Hydrogen water with the nano rod bubbler	5
6. Inhaling Hydrogen	6
7. Inhaling oxygen and hydrogen together	7
Refilling	7
Basic parameters	8
Disclaimer	8
Trouble shooting	9

(Please read this user manual carefully before using the Hydrogen Inhaler)



Only applies to units with the soft opaque silicon cap. When the machine is running, do not remove the opaque cap. As oxygen will stop flowing from the front outlet. Only remove this cap to add or replace the distilled water in the tank (this relieves pressure in the tank, allowing the black cap to be easily unscrewed). Replace the opaque cap before restarting the machine.

How to Operate

Unboxing

- Parts list
 - Hydrogen generator machine and power cord
 - Total Dissolved Solids (TDS) meter (LR44 button batteries included)
 - Stainless steel nano-rod bubbler
 - Cannulas
 - White connection tubes
 - Y connectors
- First follow the instructions under the "Using the machine for the first time" section, and
- Read the Precautions section (Very important).**

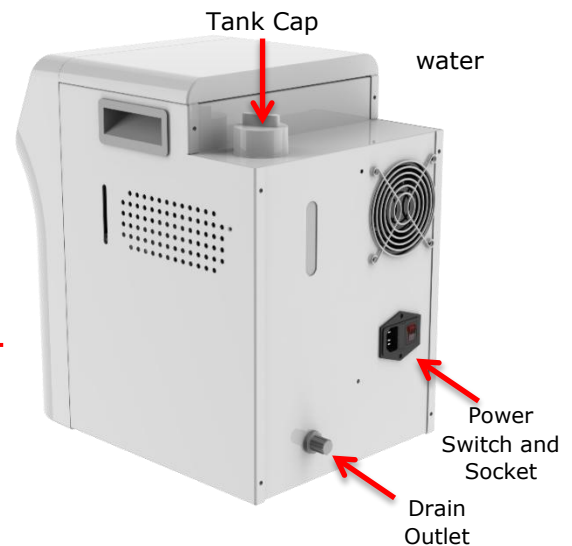


Using the machine for the first time

1. Remove any caps on the Hydrogen and Oxygen outlets.
2. Unscrew and remove the tank cap, then pour distilled water (TDS<3) into the tank.
3. Fill the water tank all the way up to the cap level, which represents 2.6L of water. The tank doesn't need an air gap and can be completely filled up to the top. The small water level window is designed to indicate if the water level is low, not to show if the tank is full. When the water level reaches 1.6L, a low water level error will be displayed on the screen shown as EOO. The sensor inside the water tank is placed high to ensure the machine maintains enough water for cooling purposes. To run an 8-hour cycle, the water tank needs to be filled to the top.
4. Drain out about a third of the water after filling the tank (only for first time using the machine). The drain outlet is located on the back of the machine, Unscrew the drain cap. Water will pour out as soon as the cap is removed. Position the back of the machine over a sink. This flushes out any trapped air, dust, or small particles from manufacturing/shipping, and ensures fresh water gets into all internal parts.
5. Leave overnight to fully soak the membrane. The core of the hydrogen generator is a special membrane/electrolytic cell that must be fully saturated with water before it can efficiently split H_2 and O_2 . If it's dry, it won't conduct properly and may not produce hydrogen at all. It also ensures the electrolytic cell stays fully wet, which prevents damage to the cell and prepares it to work at maximum efficiency.
6. Once soaked overnight it is ready to use. Connect the power cord and turn the power on (power switch and cord socket is on the back of the machine). The machine will beep and the screen will turn on.
7. Unscrew and remove the tank cap and top up the water tank with distilled water (TDS<3).
8. If the water level is low an alarm will sound until the level is back above the minimum level.
9. Fill the humidification container halfway to the line with water. Water may fill the bottle during regular use. Tip out extra water until the level is below the Max fill level.



Fill level



How to use the machine (Machine operation)

1. To turn the machine on, the main power switch is located on the back of the machine (red switch).
2. Press the  button to set the total flow rate. Pre-set flow rates, 300, 600, 900, 1200 and 1500 ml/min. For initial use, start with a lower flow rate until you get use to the hydrogen.
3. Press the  button key to set the countdown clock. Pre-set times, 1,2,3,5 and 8 hours.
4. After setting the flow rate and the time, press the start  button to start the machine.
5. Press the  button to turn OFF and ON the background light and the display.
6. When the machine is working, press the  button to stop the machine and reset the timer.
7. Once the countdown timer reaches zero the machine will beep and stop generating hydrogen.
8. When you have finished using the machine, turn it off at the power switch, (the red switch on the back of the machine).

Precautions

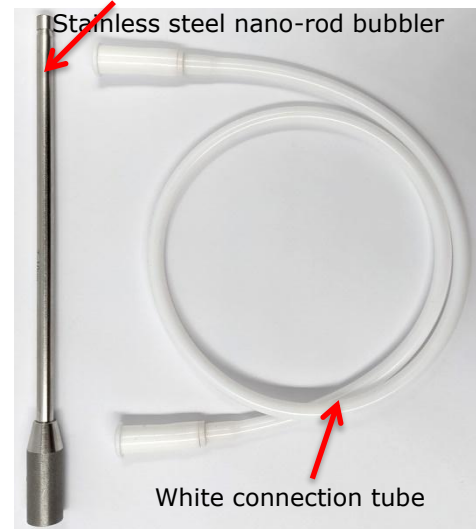
1. For adult use only.
2. **Use only distilled water with a TDS of less than 3 to avoid voiding your warranty.** Water with a TDS greater than 3 WILL damage the Cell. The Distilled Water we recommend is called Refresh Demineralized Distilled Water, available from Autobarn, Woolworths, Big W and Coles.
3. Always use in a well-ventilated or spacious room.
4. Operating temperature 5 to 30°C with a relative humidity of between 25 to 75%.
5. **Do NOT use near an open flame (including smoke, burning incense or cigarettes) or a heater, or anything that sparks or has an open flame (within 3m).**
6. Do NOT use when going to sleep. Remain awake at all times when using the machine.
7. Keep the power plug away from water.
8. Do NOT block the hydrogen and oxygen outlet holes when using the machine. Blocking these outlets will void the warranty.
9. Do NOT connect the bubbler to the Oxygen outlet, as the back pressure will cause damage to the cell and will void the warranty.
10. To maximise and maintain the optimal efficiency, the hydrogen generator should be rested for 2-3 hours after more than 2 consecutive hours of use. After each shorter time session, it is ideal to rest the machine off for 1-2 hours.
11. Don't use the machine without water in it, this too voids the warranty.
12. Do not use the machine while you have a cold, as congestion, mucus, or nasal inflammation may restrict airflow or cause discomfort during inhalation, reducing effectiveness and potentially irritating your airways.

Creating Hydrogen water with the bubbler

1. Push one end of the white connection tube onto the small end of the nano-rod bubbler.
2. Push the other end of the white connection tube onto the Hydrogen outlet on the machine.
3. Keep the Oxygen outlet open (not covered).
4. Place the larger end of the bubbler into a glass of water and start the machine.
5. Set the flow rate to 600ml/min.
6. Hydrogen-rich water will take between 5-10 minutes. So, stop the machine after 10 minutes.

Hint: The colder the water the more Hydrogen can be absorbed by the water.

Caution: Only connect the bubbler assembly to the Hydrogen outlet. DO NOT connect it to the Oxygen outlet, as the back pressure will cause damage to the Cell and will void the warranty.

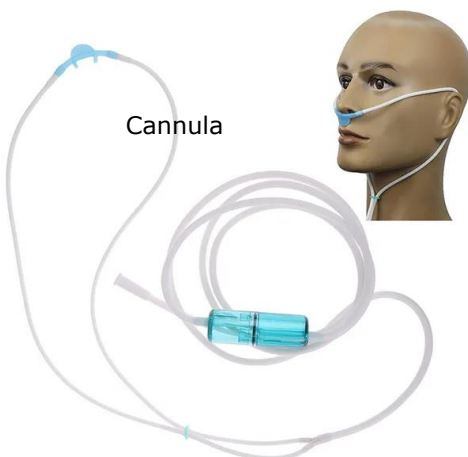
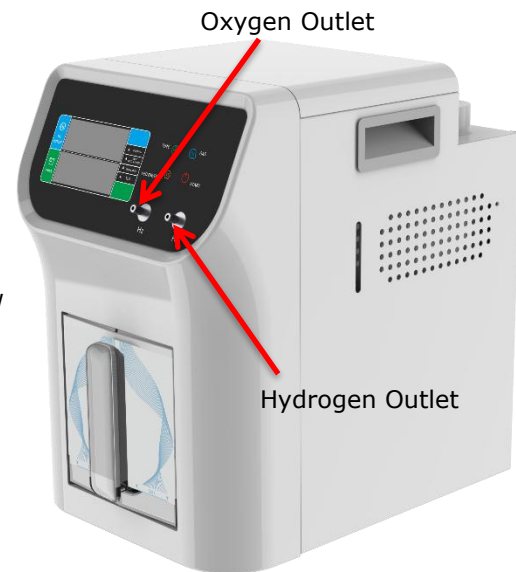


Inhaling Hydrogen

1. Push the white connection tube onto the Hydrogen outlet.
2. Keep the Oxygen outlet open (not blocked).
3. Fit the cannula onto your nose as shown below.
4. Turn on the machine.

Hints: Initially, start with 30 minutes a day at a flow rate of 300ml/min until the body gets used to the Hydrogen (1 week).

Short sessions are more beneficial than longer sessions (1 hour ideally). Also rest the unit for 1-2 hours between each 1-hour session.



Water Chamber
Cannula vapour chamber captures excess water vapour and water droplets from the tube. Empty after when needed.

5. Suggested flow rates

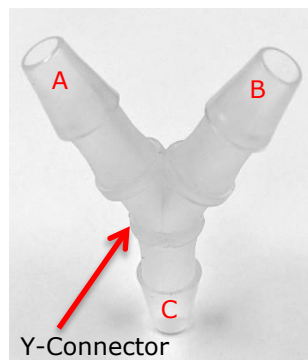
- 300-600 ml/min total flow for smaller sized and elderly people, for 1-hour sessions.
- 600-900ml/min total flow for the average to large sized people, for 1-hour sessions.
- 1200–1500 mL/min is recommended for two people inhaling hydrogen gas only simultaneously during 1-hour sessions.

Setting on screen (Total flow ml/min)	Hydrogen (ml/min)	Oxygen (ml/min)
300	200	100
600	400	200
900	600	300
1200	800	400
1500	1000	500

Caution: Do NOT use near an open flame (including smoke, burning incense or cigarettes) or a heater or anything that sparks within 3 meters.

Inhaling Hydrogen and Oxygen

1. Push one end of 1 white connection tube onto the Oxygen outlet and the other end onto the Y-Connector (see image below), connect to the end indicated by the letter A.
2. Push one end of another white connection tube onto the Hydrogen outlet and the other end onto the Y-Connector (see image below), connect to the end indicated by the letter B.
3. Push the connection end of the Cannula onto the Y-Connector (see image below), connect to the end indicated by the letter C.
4. Fit the Cannula onto your nose as shown in the Inhaling Hydrogen section above.
5. Then, turn on the machine. A setting of 300ml/min should give an Oxygen level of approximately 100ml/min and a Hydrogen level of 200ml/mn.



Refilling

1. It is recommended to replace the distilled water after approximately every 60 hours of use or 3 months whichever comes first.
2. To refill, simply position the back of the machine over a sink. Unscrew the tank cap, then unscrew the drain cap. Water will pour out as soon as the drain cap is removed, refill the tank with distilled water (TDS<3).
3. If transporting the machine, drain out all the distilled water. Once you're ready to use the machine again, refill the tank with distilled water (TDS<3).
4. If storing the machine for more than 2 weeks, drain out the distilled water. Once you're ready to use the machine again, follow first time use instructions.
5. Periodically empty out the water in the humidification bottle (refer to images on page 3).



Caution: Use only distilled water with a TDS of less than 3 to avoid voiding your warranty. And don't use the machine without water in it, this too voids the warranty.

Basic parameters

Product Name	Hydrogen Generator
Model	HIM-19-06
Total Output	0 - 1500mL/min
Output Pressure	200kPa
Hydrogen Purity	99.9%
Input Power	<440W
Voltage	(AC) 220V-240V 50 Hz
Water Tank Capacity	2.6L
Weight	10.6KG
Size	375mm (H) x 355mm (L) x 250mm (W)

Disclaimer

These products have not been medically evaluated and are not intended to diagnose, cure, treat or prevent disease. Seek medical advice if seriously ill or attempting to cure or prevent disease.

This product is not a medical device and is not advertised for any therapeutic effects.

Trouble Shooting

Issue	Possible Reason	Solutions
The machine is not starting	1. Power plug is not plugged in properly 2. ON/OFF button has not been pressed 3. Is in screen saver mode	1. Check that the plug is plugged in properly 2. Check the Power is ON at the wall 3. Press the setting icon 
There is no Hydrogen gas	1. Not enough water in tank 2. The cannula is not properly connected 3. The bubbler is not properly connected 4. TDS value of the distilled water is too high	1. Fill the water tank to the top 2. Ensure the cannula is properly connected and there are no tangles, kinks or that the tube is blocked with water 3. Replace and then empty out the tank with distilled water (TDS<3) to clean the tank of any dirt 4. Contact your Sales Support Team
Imbalance error	1. During operation the unit has been tilted over and will cause an imbalance error 2. Water level low	1. Place machine on a level surface and restart the machine. 2. Top up the water in the tank until error turns off
Abnormal display value	1. Scale formation in electrolytic cell 2. The display is abnormal 3. The TDS value is too high	1. Contact your Sales Support Team - 1800 268 469
Alarm sound + EOO display	1. Water level is low, or 2. Water level too high	1. Add or drain distilled water (TDS<3)
Screen blank	1. Screen saver mode 2. Machine is not turned on	1. Press the setting icon  2. Turn on power

If you run into any other problems, contact your AgeSmart Sales Support Team on 1800 268 469 or email us at info@agesmart.com