H2 Pure PLUS

User manual

For all models

iWater

Introduction

Congratulations on your new **H2 Pure PLUS**.
We are pleased that you chose to shop at iWater.

This manual applies to the models: H2 Pure PLUS 450 and 900.
The distribution of H2 and O2 is as follows:

Model 450 produces 450 ml per minute,
consisting of 300 ml H2 and 150 ml O2 respectively.

Model 900 produces 900 ml per minute,
consisting of 600 ml H2 and 300 ml O2 respectively.

Technical data

H2 purity: >99.9% 200 ml/h2

Dimensions: 30 x 21 x 31 cm

Water quality: Demineralized water

Power: <250W Voltage: AC100-240V 50-60Hz

H2 Pure Inhale PLUS comes with:

· Power cable

· 1 silicone inhalation tube with moisture trap

· 1 silicone inhalation tube without moisture trap

· Y-tube for H2 and O2 inhalation

· Hydrogen infusion rod including tube

Usage requirements

No smoking or open flames within a radius of 1 meter.

The hydrogen generator must be used in a ventilated room.

Ambient temperature should be between 0-40°C.

Humidity should be less than 85%.

The machine must be placed horizontally on the floor or on a stable surface.

Connection

All our H2 Pure Inhale PLUS machines have been tested before sale. However, the first time you connect the machine, you must be aware of the following:

Important water quality requirement:

Use only demineralized water with a TDS below 5.

Water must be filled into the machine's water tank before use.

Open the top cover of the machine's tank and add a minimum of 3 dl of demineralized water.

Wait 5 minutes after adding water before turning on the machine.

Connect the power cable to the machine and plug it into an outlet.

When the back panel is switched on, the front panel display lights up and enters standby mode until you activate it by pressing the On/Off button.

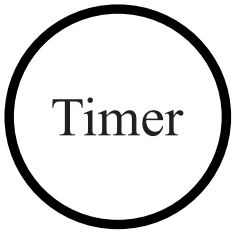
If the machine is brand new, it must stand with at least 3 dl of water for at least 6 hours, as the electrolysis plates must be thoroughly moistened.

Operating

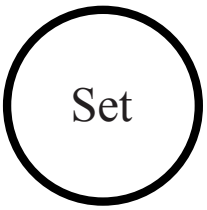
Press the **On/Off** button to start and turn off the machine.
The machine will now begin to produce hydrogen, and the timer countdown will start. Once the selected time has elapsed, the machine will automatically enter standby mode until it is either turned off via the power switch, or the start button is pressed again.

Press the **Timer** button to set the time for a new period. Each time you click, the selected time increases by 1 hour, up to a maximum of 5 hours.
The display flashes for a few seconds when the timer is activated, after which it settles on the chosen time.

When the machine is running, a small box saying “Producing H2” will flash on the display. It may take a few seconds before you can feel the O2 and H2 gases coming out of the tube, and you can hear a bubbling sound, which indicates that the machine has started producing.



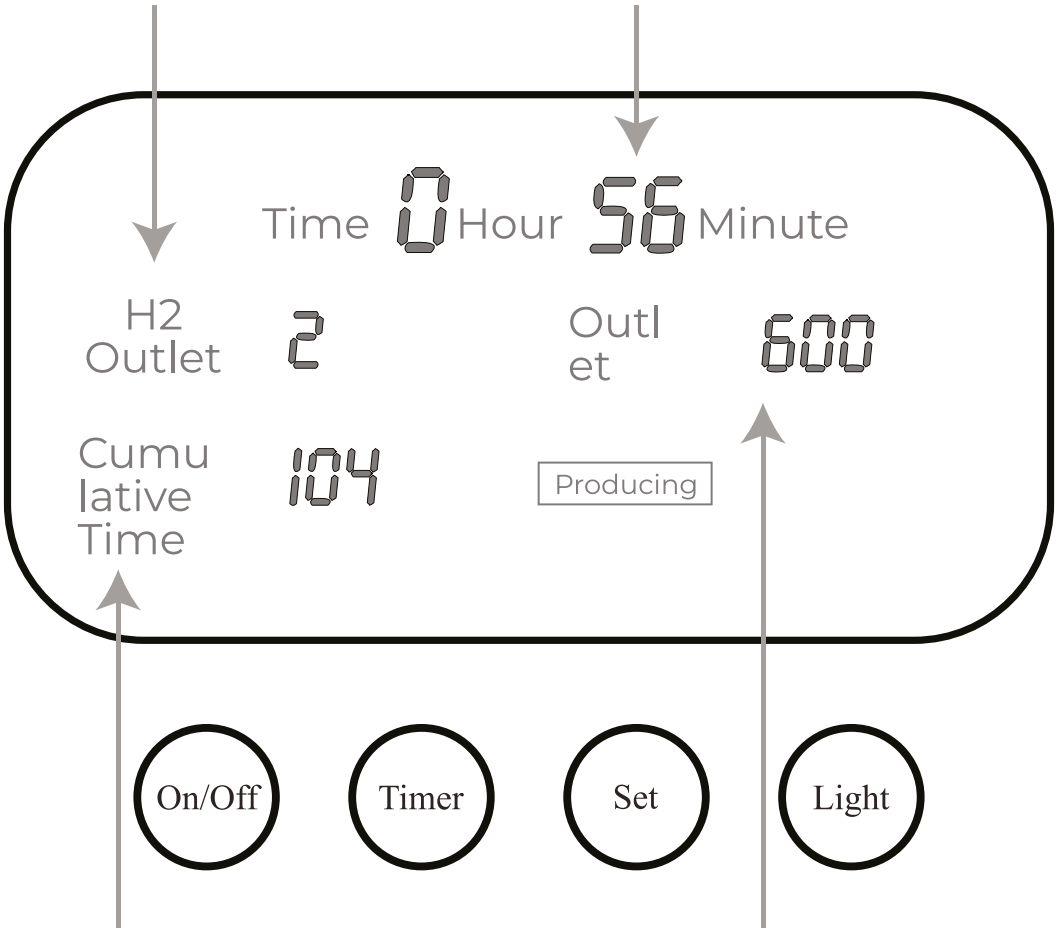
The Set button operates the H2 Outlet.
It is insignificant whether the H2 outlet is set to 1 or 2, as this machine only has a single outlet.



The **Light button** operates the Outlet Flow.
The maximum hydrogen output is 600 ml H2 per minute,
and the minimum is 60 ml. O2 will always be 1/3 of the H2 output.

H2 Outlet. One or two outlets.

The selected time in hours and minutes.



Cumulative time. Total time the machine has been in use. Reset by holding the Pause button for 10 seconds.

Outlet Flow.
Shows the amount of hydrogen.

Requirements for water replacement

With daily use, the machine must be emptied of water once a week.
With infrequent use, once a month.

If the machine is to be transported, it should be emptied of water.
This prevents the water from overflowing and damaging the electrical components.

During transport, efforts should be made to ensure the machine remains stable and level.

Unscrew the top cover and add approximately 1.6 litres of demineralized water (TDS must be below 10; impure water and/or tap water may damage the machine).

When "Fill Water" disappears from the screen, it means the water level is correct. Screw the lid back on, and the machine is ready for use.

Inhalation hose connection

The 2-prong inhalation hose connection is mounted on the two outlets H2 and O2 on the front.

The first time you use the machine, there will be two plastic plugs that must be removed first. Both outlets must ALWAYS be open during use.

The two moisture collectors in the front of the machine are to be emptied daily. Pull them out slowly and empty them.

The machine is also delivered with hoses, where a moisture collector is mounted in the silicone inhalation hose. Pay attention to ensure the moisture collector is mounted so the arrows (marked in the material - point toward each other).

After hydrogen inhalation over a long period, condensation will form in both moisture collectors and in the green moisture collection tube mounted on the silicone inhalation hose.

After use, the moisture collection tube is pulled off and hung in a ventilated and dry place to avoid the accumulation of water droplets in the moisture collector and in the hose.

Mount the hose with the moisture collector so you inhale H2 alone or a combination of O2 and H2 – for this, use the Y-hose.

Cleaning and maintenance

Water droplets form in the moisture collection tube. Empty it of water droplets and place it in a dry and ventilated area. If you wish to reuse the silicone hose (which you certainly can), you can sterilize it with alcohol or spray it with iWater acidic water (HOCl).

Maintain good hygiene regarding the nasal inhaler – you can easily reuse the nasal inhaler part but make it a habit that everyone using the machine has their own hose.

It is recommended to disinfect it with alcohol or HOCl (hypochlorous acid) before use.

Depending on use, we recommend replacing the inhalation hose after 3-6 months.

Inhalation hoses with moisture collectors, inhalation hoses without moisture collectors, as well as nasal pieces and HOCl (hypochlorous acid) for cleaning can be purchased at www.iwater.dk.

Production of hydrogen-enriched water

The hydrogen diffuser stick is mounted on the included hose.

The hose is mounted on the H2 outlet and is ready to hydrogen-enrich regular water or tea. It takes 5 minutes to hydrogen-enrich 1/2 litre of water.

Storage of hydrogen-enriched water

Hydrogen is volatile and must be drunk immediately. If you make a litre of hydrogen-enriched water and put it in a closed glass or steel bottle, it can keep for up to 6 hours. However, the amount of hydrogen will decrease minute by minute.

Troubleshooting

I cannot feel the gas in my nose

- Place the hose in a glass of water and check if gas bubbles appear.
- Check that the water cap is screwed on and sealed tightly.
- Check that the silicone hoses are correctly mounted and sealed tightly.
- Check that the connections on the moisture collector and the lid are sealed tightly.
- Turn off the machine at the power switch, wait a moment, and turn it back on.

If this still does not help, call iWater.

Water is entering the nose

It is unavoidable that the machine accumulates water vapor during the splitting of H2 and O2.

- Empty the moisture collectors of water.
- If you are challenged by the amount of water, you may consider mounting an additional moisture collector.
- Remember to dry the hoses between uses.

Gas Alarm.

If you have a gas alarm installed, it may go off. However, there are NO problems associated with the use of a hydrogen inhaler.

Typically, gas alarms in private homes are set to the LEL (lower explosive level), and many gas alarms warn/react when reaching only 10% of the LEL level. In practice, this means very little is required to trigger the alarm.

Alarms are designed to prevent gas leaks involving butane or propane (bottled gas), typically in caravans, to avoid being gassed or sedated.

Bottled gas is both explosive and toxic for humans to inhale. However, hydrogen is not toxic to inhale, even in large quantities. But the alarms cannot distinguish between dangerous and harmless gases.

Overheating

It is best for the machine to have 30 minutes of rest after running for more than 2 hours.

Error codes

The machine's display shows error codes (Error):

E01: The machine is overheated.
Turn off the machine and let it cool down for approx. 2 hours.

E02: TDS is too high; the water is impure.
Check TDS level > 10.

E03: The water level is too high or too low.
Add more water or drain the machine of water.

E04: The machine has been out of balance.
Place it in a stable and horizontal location and wait 20 minutes.

E05: The machine has been running for more than 3000 hours.
Time for service, contact iWater.

Contact

If you still have questions, write to us at: support@iwater.dk