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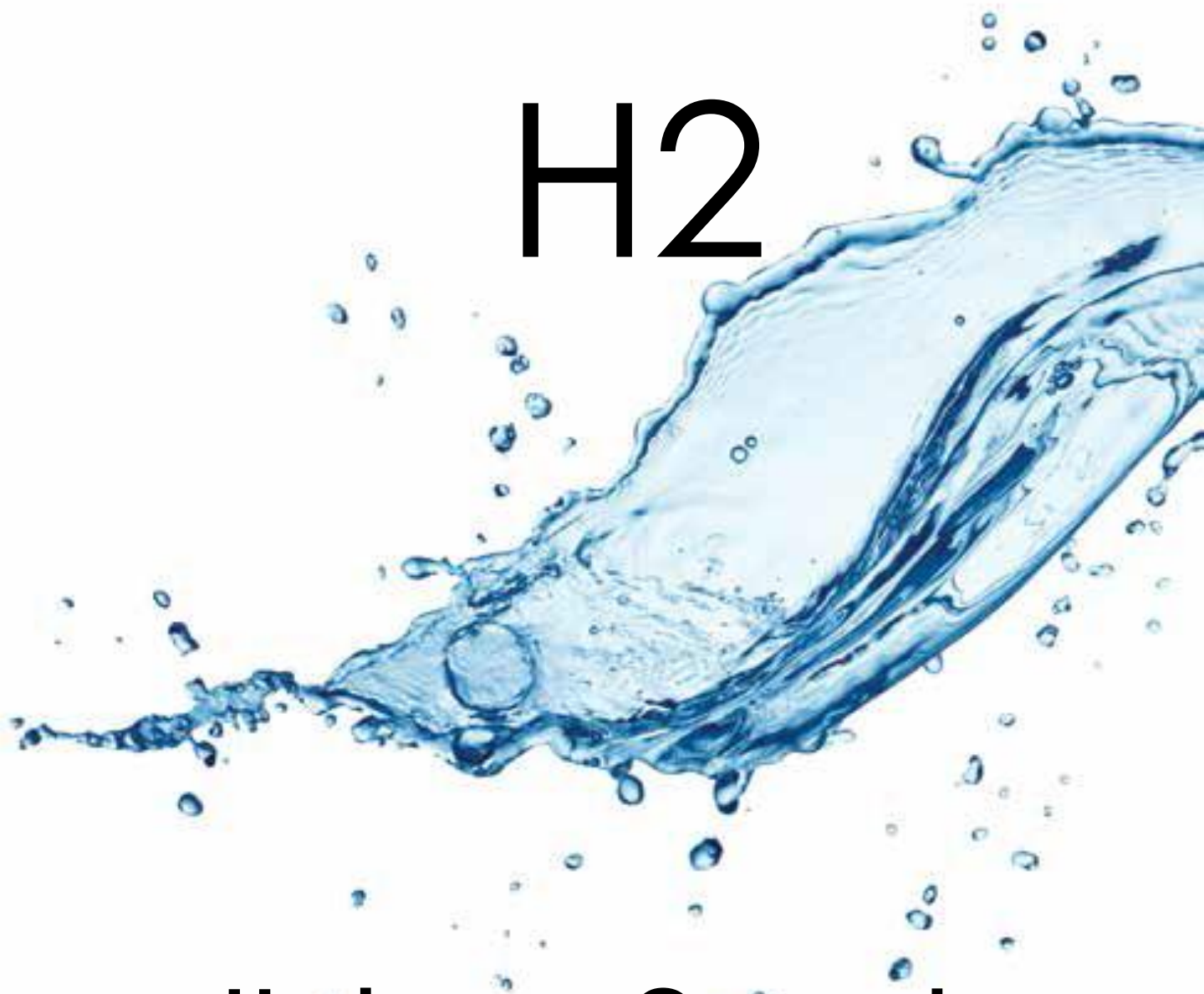
H2



Hydrogen Generator

Manual

ATTENTION: only use still Water!

There should be no carbon dioxide in the water.

QUICK START GUIDE

Step 1

✔ Fill the hydrogen generator with a little cold water and connect to the power supply, fully charge until the green LED light illuminates

✔ Pay attention to a tight screw connection and if necessary check or replace the seals in case of water leakage.

Step 2

✔ At first commissioning, the SPE memebrane must be activated. Fill the generator with approx. 90°C hot water.

✔ Start **(without the upper bottle closure – otherwise the gas cylinder could explode due to the resulting pressure)** the device.

✔ Repeat this process 10 times **(use freshly boiled water with every process).** Then the SPE membrane is fully activated.

Step 3

✔ Repeat this process 10 times. Then the SPE membrane is fully activated.

✔ Fill the hydrogen generator with a little cold water and reconnect to the power supply, charge until the green LED light illuminates

✔ Completely fill the generator with cold (osmosis, still mineral or nitrate-free tap water) water. Start the device and enjoy H2 hydrogen-rich water.

**** Drink daily up to 0,3 l per 10 kg body weight.**

Chapter Overview

- 01 – General safety instructions
- 02 – Scope of supply
- 03 – Charge mode
- 04 – Operation
- 05 – Internal cleaning
- 06 – External cleaning
- 07 – Hydrogen water– Not only drinking
- 08 – Troubleshooting
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1 - General safety instructions

- ✓ Only operate the device when you have read and understood the instruction manual.
- ✓ Before you switch on the device, the water container must be filled with water. Otherwise the electrolyc cell could be damaged and this will invalidate the guarantee.
- ✓ You may not fill water of over 90°C.
- ✓ Only use the device with 220 Volt.
- ✓ Ensure that children and pets do not have access to the device.
- ✓ Never submerge the device in water. A damp cloth is sufficient for cleaning. Do not use chemical cleaning agents.
- ✓ Never drop the device.
- ✓ Preferably use cold water (under 30°C)
- ✓ Do not expose the device to direct solar irradiation or temperatures under 0 or over 50 degrees.
- ✓ If during the production water leaks out of the device, stop the operation.
- ✓ Do not place the device in damp or polluted areas.
- ✓ Do not use the power supply, if it is damaged or when the cable was kinked.
- ✓ Do not place heavy or sharp objects on top of the power cord.
- ✓ Do not touch any parts that are connected to the mains power supply with damp fingers.
- ✓ Only use water of best drinking water quality (osmosis, hot or still mineral water), if you subsequently want to drink the water.
- ✓ You may **not** use **carbonated water** (sparkling water, sparkling mineral water). In doing so, the device could explode.
- ✓ Do not open either the power supply unit or the base unit and do not attempt to repair in case of a defect. In the event of a defect, immediately disconnect the device from the mains and inform your dealer.

2 – Scope of supply

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03 – Charge mode

1. Place the device on a flat and dry surface

2. Fold up the flap over the charging socket at the rear side

3. Connect the narrow end of the USB cable to the charging socket and the other end to the USB port on the charger. Then plug the charger into a 220 V socket-

4. During the charging process the light glows red, when the battery is fully charged, the light glows green.

5. Prior to the first use, the battery must be fully charged. Charging time is approx. 2,5 hours

04 – Operation

Attention: Only use still water!
There should not be carbon dioxide in the water.

Before you switch on, there should be **at least** 0,1 liter drinking water in the container.
⚠ **Without bottle closure**. Ideally, the container should be filled completely because this way it will build up a greater hydrogen pressure and more hydrogen will dissolve in the water correspondingly. Ensure screw connection tightness and if necessary check or replace the seals, in case of water leakage, before putting the device into operation.

1. By pressing the action button (a) the generator starts, the process takes 3 minutes.
2. You can prematurely terminate the enrichment by pressing the action button once again.
3. When the end tone sounds 2x, the process is complete.

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05 – Internal cleaning / Maintenance

After approx. one week or when traces of limescale are visible, the internal part of the generator and the crosshatchured negative electrode which produces the hydrogen, must be cleaned with 1 heaped tablespoon of dissolved citric acid in hot water (approx. 85 – 90 degrees). Please let the citric acid solution take effect for 1 hour and subsequently rinse the generator and electrode several times with warm water.
Completely fill the generator with approx. 85 – 90° C and start, repeat the whole process 2 x, pour out the water and do **not** drink.

This cleaning process should also be carried out if an unpleasant odour in the device is perceived. In this case the water should be 60 – 80 degrees C hot.

Pay attention to perfect hygiene and remove traces of limescale with citric acid.

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06 – External cleaning / Storage / Technical data

Wipe the external part of the device with a soft damp cloth.

You can also remove coarse impurities by filling the generator half with warm water and shaking vigorously.

Store the unit at room temperature and not in direct sunlight.

Dimensions	**Diameter 72 mm. height103 mm.**
Weight	400 g. (empty) storage capacity 0,4 l
Membrane	USA SPE +
Reserve capacity	approx. 10 applications (3 Min.) – fully charged
Charging time	approx. 2,5 hours. Battery: DC 5 V/ 1000 mAh
Power supply	100–240 V, 50/60 Hz. Output: DC 5 V, 2A
Hydrogen power	water-dependent. 1000 – 1500 ppb
Redoz potential	(-) 300 bis (-) 700 mV (CSE)

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07 - Hydrogen water – Not only drinking!

In contrast to basic active water from a classic water ioniser, the Ph-value of the treated water remains preserved. Hydrogen water can also be slightly acidic

Drink daily up to 0,3 l per 10 kg body weight. At high temperatures and / or heavy physical exertion correspondingly more. Preferably use basic water.

Immerse fruits, salads, cut flowers, raw eggs, fish, meat and vegetables for 15-20 minutes into fresh hydrogen water. Such food refreshes itself as a result of hydrogen absorption which even penetrates eggshells. Due to the penetration of hydrogen, the redox potential of foodstuffs drops. Mix milk powder, diet powder, fitness powder, etc. with hydrogen water. Dissolve mineral and vitamin mixtures in it. In doing so, the redox potential will also drop favourably due to the role of the dissolved hydrogen.

Give your pets (dogs, cats ...) hydrogen-rich water to drink and observe how the fur and the general health changes positively

08 – Troubleshooting

Problem	Root cause testing	Solution
Generator does not work (very little or no bubble development)	• SPE membrane activated? • Battery charged? • Foreign bodies in the pressure vessel	• Please read chapter 05 • Battery charged? • Please read chapter 05
LED does not light up	• Battery charged?	• If necessary connect power supply
Charging process does not function	If necessary check power supply	If the power supply is defective. Inform dealer. Do not use a foreign power supply unit

09 – Legal and Imprint

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IMPORTANT INFORMATION
This guide contains important information. Read these operating instructions completely through and if necessary several times. Do not throw it away, so that you can always look it up again where appropiate! No responsibility is taken for improper installation, handling and operation.

DISCLAIMER
Molecular hydrogen is a natural and continuously occuring gas in the human body, which inter alia is generated by a healthy intestinal flora. Riscs and side effects through the enjoyment of hydrogen-rich water are not known in the previous scientific literature. Nevertheless, we do not accept any liability for medical statements or articles about the effect of ionised water, hydrogen water, and/or electrolyte water.
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