



# AQUAVOLTA®

## AGE<sub>2</sub> GO 2.8 Hydrogen Water Generator



## Manual

## 2 - What ist AquaVolta®?

- The brand name AquaVolta® derives from the latin term for water(aqua) and the name of the inventor of the battery, Alessandro Volta. It stands for electro activated water.
- In Germany one originally spoke of electrolyte-water, afterwards of “activated water”. In english it is often referred to as „reduced“ or „ionized“ water.
- The characteristic of AquaVolta® is that a negative electrical tension with a measurement electrode shows a so-called negative redox potential.
- The lower the redox potential, the higher the willingness water has of giving off electrons. Per 0,018 Volt (18 Millivolt) lower redox potential does the willingness double. AquaVolta® produces about 400 to 800 Millivolt lower redox potential than tap water or mineral water from a bottle.
- Because of its high willingness to give off electrons, AquaVolta® is also described as antioxidant water. It is not only used by doctors for therapy, it has also established itself because of its good taste as a modern day to day drink.
- Responsible for the antioxidant power of AquaVolta® according to the current scientific view is the content of dissolved hydrogen, or  $D H_2$ . The **AquaVolta® AGE<sub>2</sub> GO 2.8** was developed to enhance this.

# AQUAVOLTA®



### 3 - What does AGE<sub>2</sub> GO mean?



- AGE<sub>2</sub> sounds in English like H<sub>2</sub>, the formula for molecular hydrogen, the "gas of life", whose role in the human body was only recognized in the 21st century.
- However, when it became clear that dissolved hydrogen was the decisive factor for the effect of electrolyte water, which until then had only been produced in alkaline water ionizers, an industry developed which pressed hydrogen at high pressure into aluminium cans or bags, where the H<sub>2</sub> content could be maintained for several months. This is not only very expensive, but also causes large waste problems.

- Nevertheless, it was clear that consumers would prefer a solution that would allow them to enjoy the rapidly degassing hydrogen water not only at home, but also on the move. The market demanded a mobile solution, in modern English abbreviated "2 go".
- The solution was a modern form of electrolysis: the PEM cell. Unlike a stationary water ionizer, it does not increase the pH value of the water, but bubbles pure hydrogen under pressure into the water. It discharges the oxygen into the air.

- The third part of the word game AGE<sub>2</sub> GO lies in the English meaning of the word AGE. "Reverse Ageing" was one of the buzzwords for this water that emerged with the rediscovery of electrolyte water. So the name of the device also means: "Age, time to go!"

## 4 – Always fresh hydrogen – free choice of water

With a device for on the move it is clear: The smaller, the better.

Therefore, we have designed the AquaVolta® Age<sub>2</sub> Go in such a way that it does not depend on a single type of water. If you do not want to trust the existing tap water, you can use any trustworthy bottled water and even water from a reverse osmosis system (RO water).

You can fill one of the two supplied glass cylinders with the mineral water. Thanks to different bottle adapters you can also enrich the water directly in the mineral water bottle with hydrogen.

Restriction: The bottle may only be made of stretchable material, not of glass. Glass bottles do not fit onto the bottle adapter.

The water must not contain carbon dioxide.

Otherwise the gas pressure will rise too much and the bottle or glass vessel could burst.



Suitable  
for RO water

No  
glass bottles

No carbonated  
water

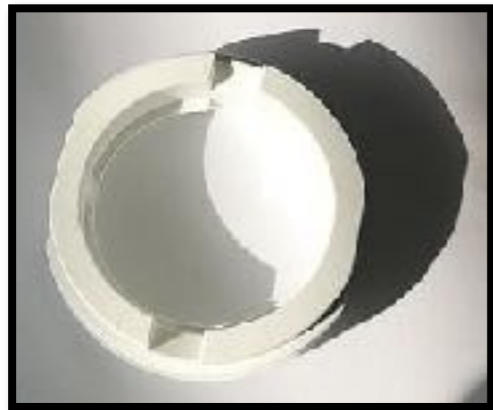


# 5 - General Safety Instructions

- Only use the device once you have read and understood the instruction manual.
- Before switching the device on, the water container has to be filled with water.
- Otherwise the electrolysis cell can be damaged and the guarantee claims expire.
- You cannot fill it with water over 60 Degrees C.
- Only operate the device with 220 Volt.
- Please ensure that children do not have access to this device.
- Never place the device under water. A moist cloth is enough to clean it. Do not use chemical cleaning products.
- Never drop the device.
- You should use cold water (under 30° C)
- Do not place the device in direct sunlight or subject it to temperatures over 50 Degrees.
- Stop use if water leaks out of the device.
- Do not place the device outdoors.
- Do not use the power charger if it got damaged or the cable got kinked.
- Do not place heavy or pointed objects on the cable.
- Do not touch any of the components connected to the power grid with moist fingers.
- Only use water of the best drinking quality if you want to drink the water afterwards.
- You cannot use carbonated water (fizzy water, sparkling water). The device could explode.
- Do not open the charger nor the base unit if defect. Do not try to repair it.
- Disconnect the device immediately from the power supply and inform your dealer.

# 6 – Scope of Delivery

2x Bottle adapter for 28 mm and 30mm screw thread



Production unit with protective cap

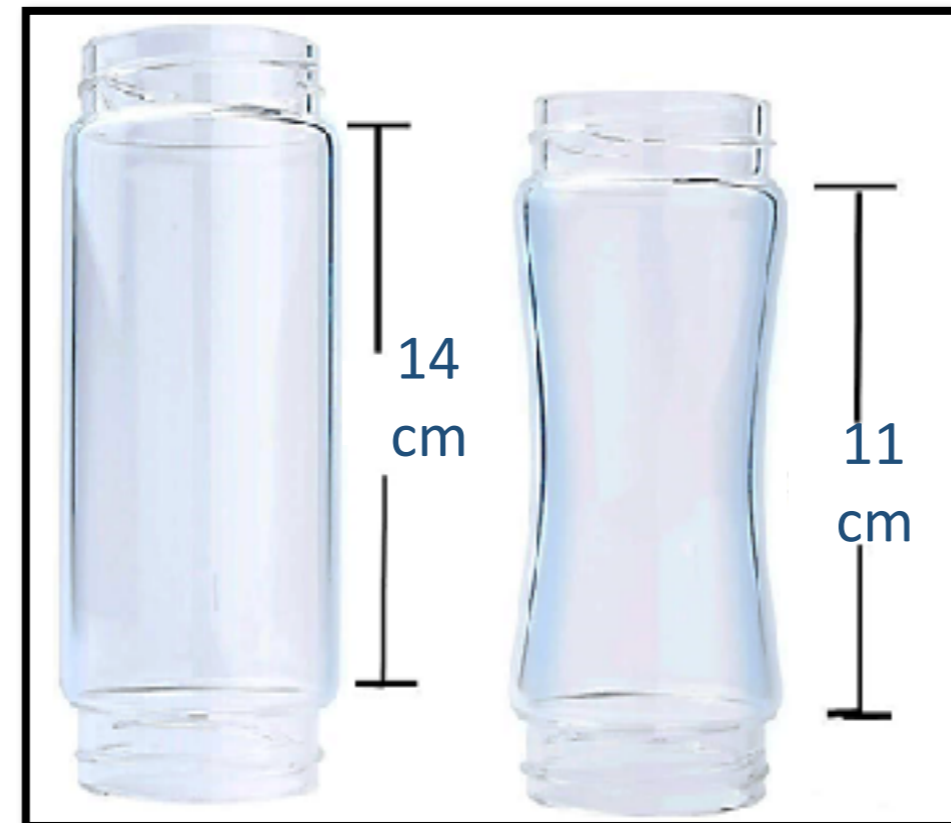
2 x Pressure compensation lid



Replacement seals



USB plug + Micro USB cable (black)



2 x Production containers made of borosilicate glass



Citric Acid



Box

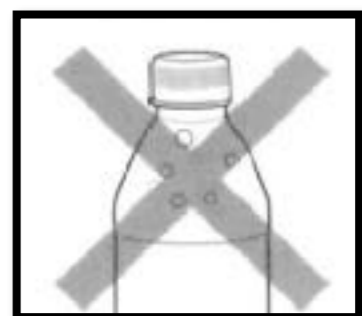
# 7 – The two operating modes

Basically the **AquaVolta® AGE<sub>2</sub> GO 2.8** offers two possibilities to produce hydrogen water: Either you use one of the supplied production containers made of borosilicate glass with the white pressure lid (a), or you use a mineral water bottle with a capacity of up to 1.5 litres as a pressure chamber (b).

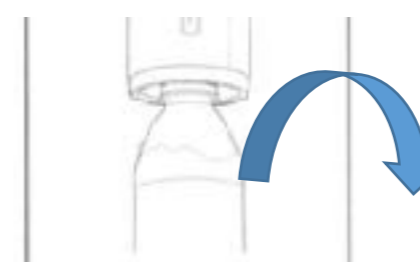
Since no overpressure regulation can be carried out with a screwed-on bottle and, in addition, the sealing of glass bottles cannot be guaranteed by the adapters, **the use of glass bottles is not permitted. Please use only suitable plastic bottles.**

In order to screw in bottles of different sizes, an adapter for smaller than 28 mm bottle screw threads is also included. To insert it, first unscrew the screwed-in standard adapter counterclockwise by, for example, using a fork as a turning aid, as shown in the picture. Then turn the smaller adapter upside down and screw into the thread.

Then turn the device upside down, screw it firmly onto the bottle thread and then turn it up-right again to start production.



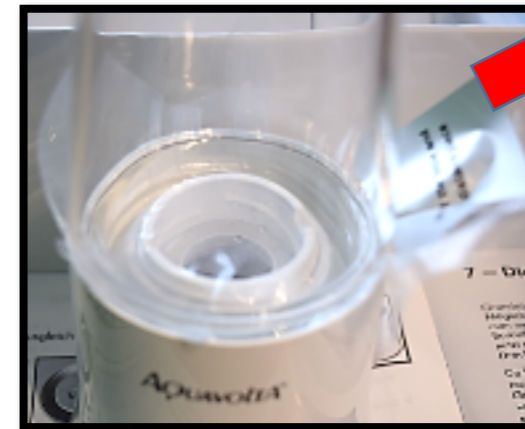
**Attention: This applies to (a) and (b):  
The water must have no carbon dioxide**



# 8 – Preparing operation mode 1



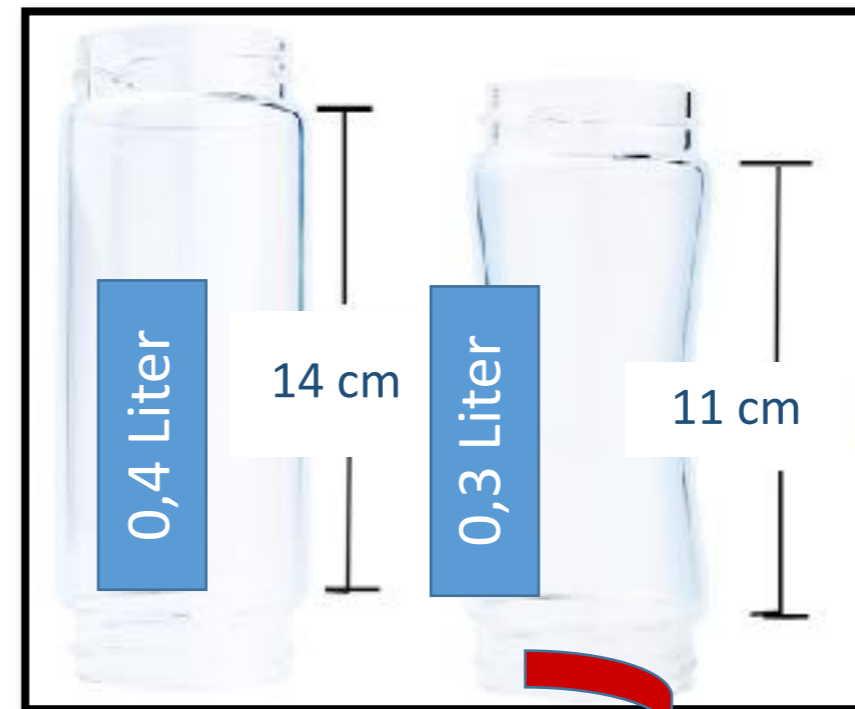
1. Remove the protective cap from the production unit



2. Remove the moisture cap.



3. The (-) electrode (cathode) is now visible. The cathode should always remain moist with water. When storing longer place a bit of water on the cathode and then a film in between the glass and the device.



4. Screw the desired glass container into the screw thread of the generator.

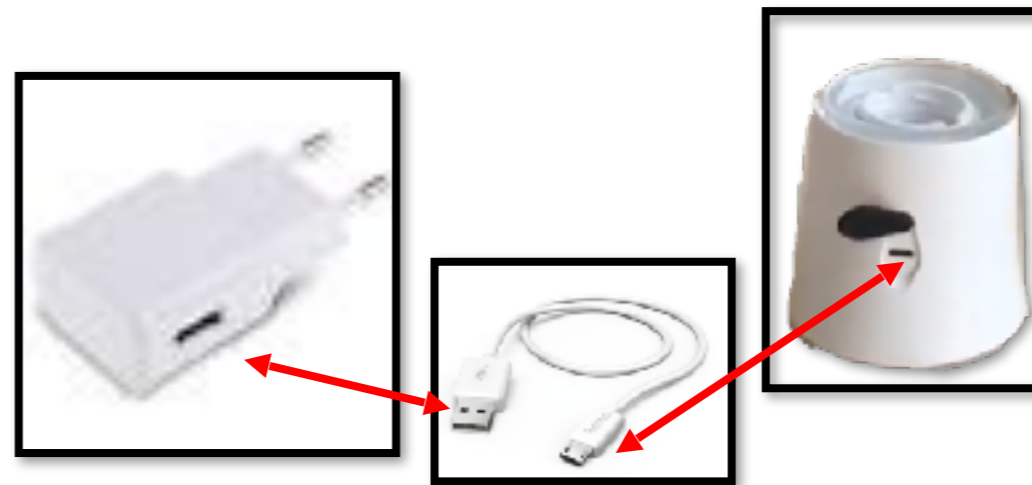




## 9 – Preparing operation mode 2

5. Before the first operation, fill the glass container with max. 60° C warm water and let it stand for at least 2 hours to completely moisten the membrane cell. Finally, replace the water and shake for about one minute. Then you can fill it with the water that you want to enrich with hydrogen. **Only enough water should be filled in so that the water level does not touch the pressure cover and no water can get through.**

6. After completing point 5, if you prefer to produce in a bottle with a narrow 28 mm thread, replace the built-in large bottle adapter with the supplied small bottle adapter.

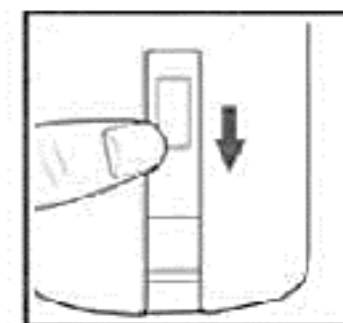
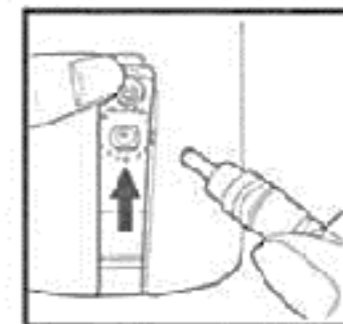
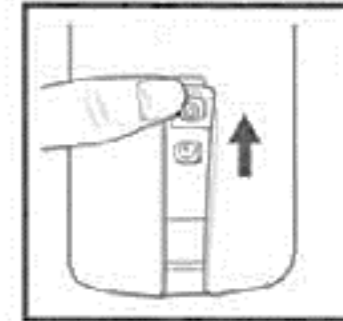
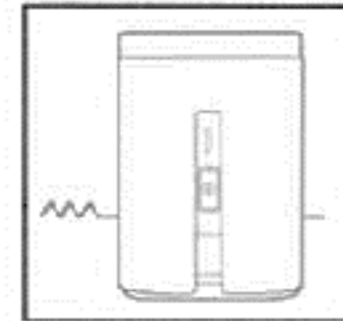


7. During phase 5, you should fully charge the battery. Lift the rubber tab on the back and connect the Micro-USB plug.

8. Insert the USB plug of the charging cable into the power supply unit and plug it into a 220 V socket. See next page for charging instructions.

# 10 – Charging

1. Place the device on a dry, flat surface.
2. Open the rubber flap over the charging socket.
3. Plug the USB cable into the charging plug and the other end into the production unit. Before first use the battery has to be fully charged.
4. The LED starts to blink red.
5. When charging is complete it will shine permanently red.
6. Remove the cable and close the rubber flap above the charging socket. During first time charging, no hydrogen water is to be produced.
7. If the LED light starts to blink during production, it needs to be charged up again until the battery is fully charged.



# 11 – Producing hydrogen water



With the on/off button you start the hydrogen production, which you recognize from the fine bubbles rising.

1. By pressing the button once, the LED lights up blue and the unit produces for 5 minutes.
2. By pressing the button twice, the LED will turn green and the unit will produce for 7 minutes.
3. As soon as the LED changes to red, charging the device should be carried out before its next use.
4. To **stop** the device from producing, press the On/Off button for 3 seconds.



**The larger the water container used, the longer the electrolysis time should be.** The optimum time for the standard glass container (0.3 l) for most types of water is 2 x 5 minutes. **You should not produce more than a maximum of 20 minutes in total without opening the lid in the meantime.**

**The PEM cell in this unit is designed to meet the standard requirement of 0.5 mg/l (500 ppb) of hydrogen water for 0.3 glass containers when in the 5 minute mode.**

With the optional H<sub>2</sub> blue kit drops available as an accessory, you can test what production time you need to set for your water to reach your target hydrogen concentration.



Why do we recommend the use of the small waisted glass vessel with 0.3 litre capacity?

- Because this is an amount that anyone can drink within 10 minutes.
- Remember: Hydrogen gasses out quickly!
- Do not produce large amounts, preferably drink small quantities immediately.

# 12 – Emptying the condensed water-tank Cleaning the interior

If the condensed water tank at the bottom of the unit fills with water, it must be emptied. Note: It will hardly or even never contain water.

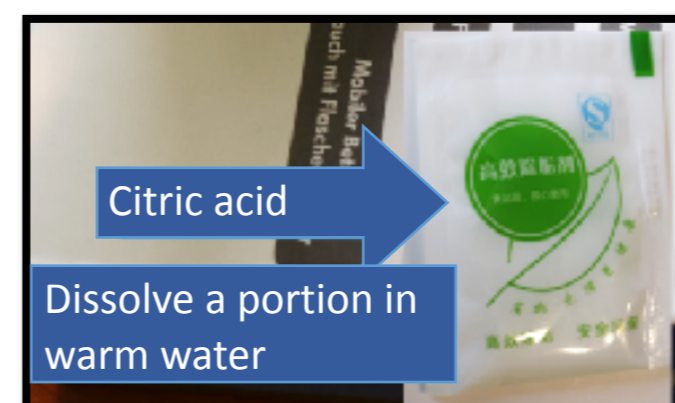
To do this, unscrew the tank lid with the built-in valve and shake out the water. Make sure that the device does not get wet. Then close the tank lid again.



The inside of the glass container and the grid-shaped negative electrode, which produces the hydrogen, must be cleaned with 1 teaspoon of citric acid dissolved in warm water if traces of limescale are visible. Close the white lid and shake vigorously for 30 seconds. Allow the citric acid solution to act for 1 hour and rinse the electrode and the container with its lid several times with hot water.



This cleaning is also necessary for hygienic reasons at least every 2 weeks or if there is an unpleasant smell in the device. In this case the water should be about 50 - 60 degrees C hot. Sometimes water can accumulate in the valve chamber of the white pressure cover. Keep this button pressed and shake the water out.

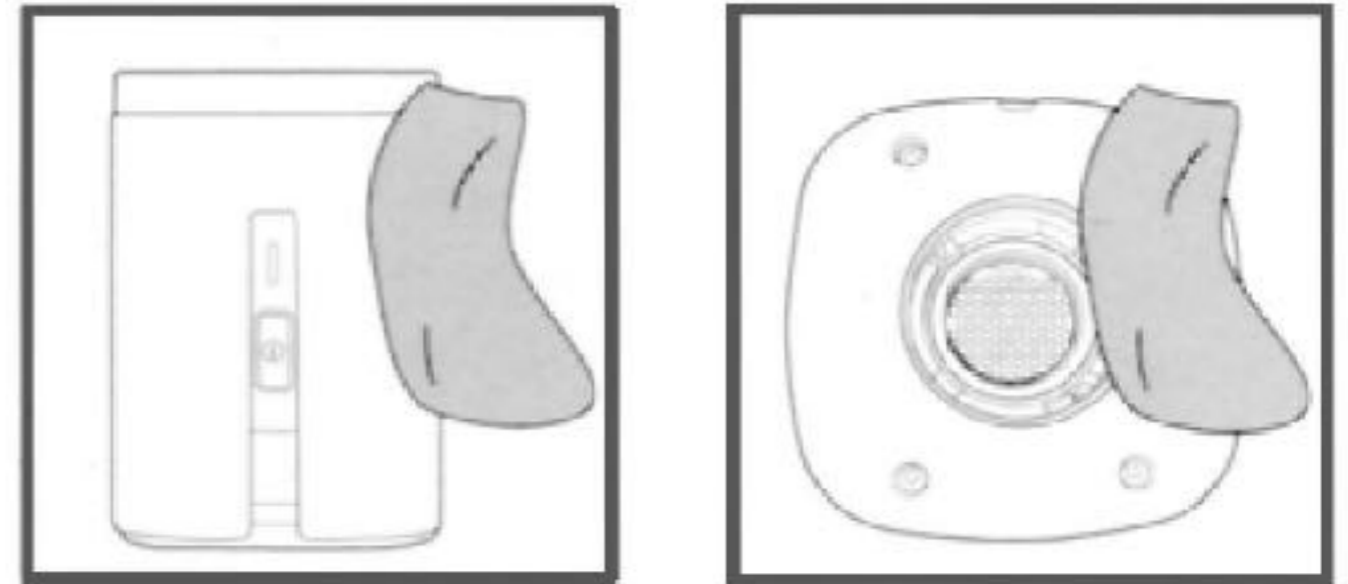


# 13 – External cleaning and storage. Technical data.

Wipe the exterior of the unit with a damp, soft cloth.

Coarse soiling can also be removed by half filling the pressure vessel with warm water and shaking vigorously. Then pour away the water used.

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



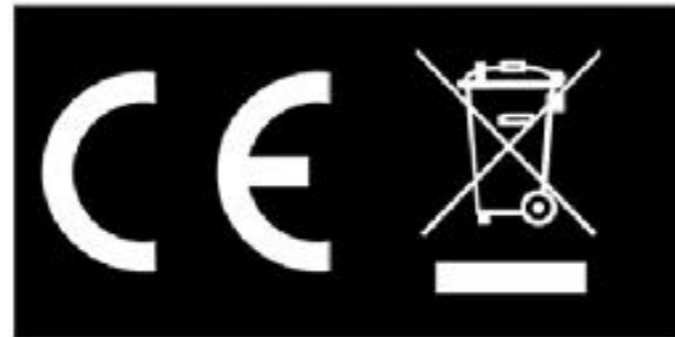
Weight	600 g
Power output	10 W (in operation) / 8,4 W (when charging)
Power reserve	Ca. 10 uses (5 Min.) – fully charged
Charging time	Ca. 2 hours
Mains adapter	100 – 240 V, 50/60 Hz. DC 5V, 2,5 A
Hydrogen yield	Depending on water and time - up to 2,8 mg/l
Temperature range	0-40°C

# 14 – Trouble shooting

Problem	Examining the cause	Solution
Booster not working (no bubbles are produced)	<ul style="list-style-type: none"><li>• Battery charged?</li><li>• Foreign object in the pressure container?</li></ul>	Connect mains adapter, plug in. Interior cleaning P. 18
LED not shining	<ul style="list-style-type: none"><li>• Battery charged?</li></ul>	Connect mains adapter, plug in.
Charging does not commence	Check cable and plug	If power supply unit is defective, contact your dealer.
Red LED blinks for 5 seconds and production has stopped	Water has a too high conductivity	Use water with a lower conductivity.
Not sealing properly	Check the seat and condition of the rubber seals	Adjust seals or replace with replacement seals if necessary.



# 15 - Service and guarantee



Your dealer is your contact person and is responsible for warranty services. This applies in particular to promises which exceed the two-year statutory warranty. All warranty promises are therefore listed on the sales receipt (invoice) of your dealer.

Manufacturer (general importer and service centre):

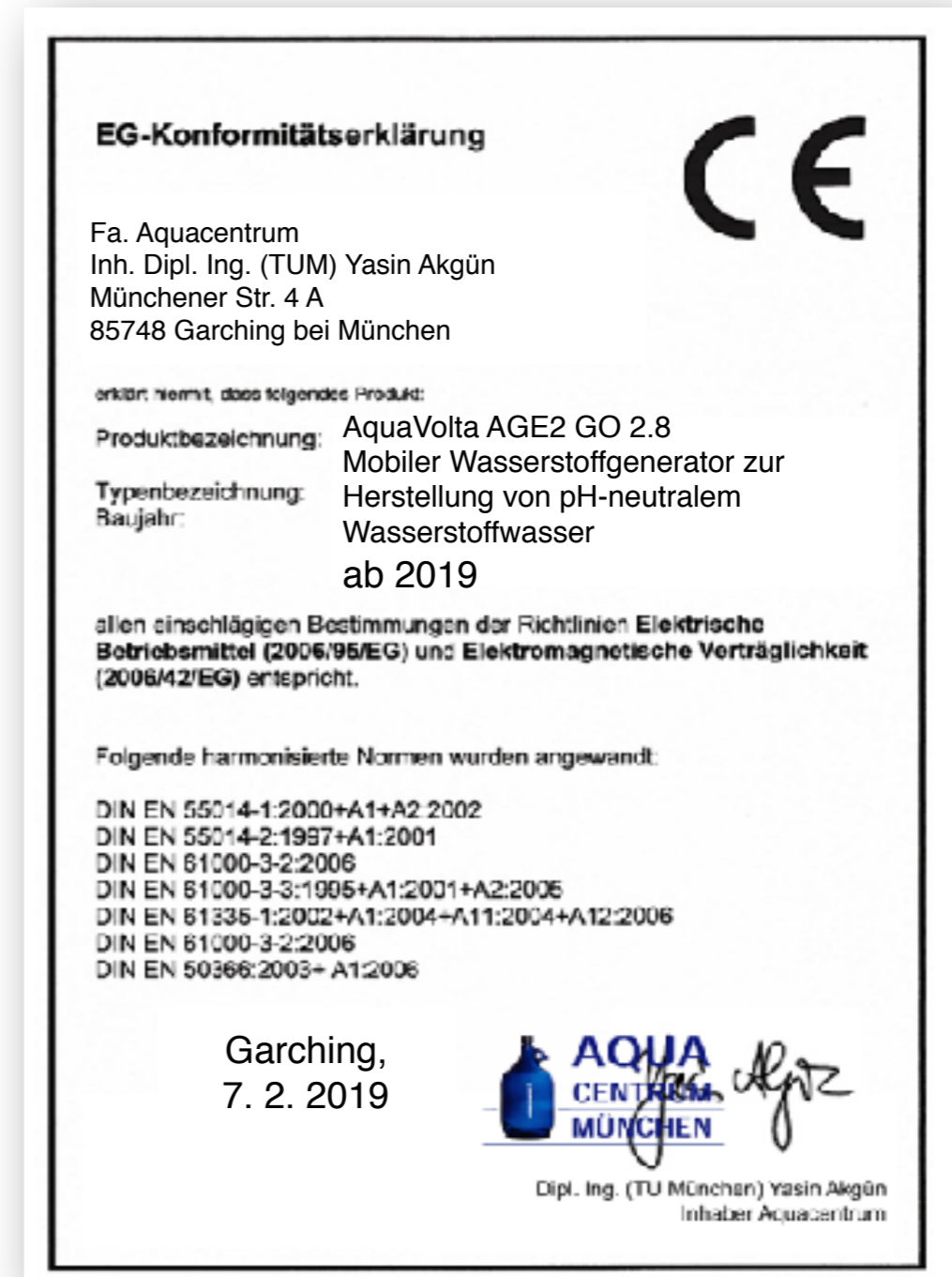
Aquacentrum, owner Yasin Akgün

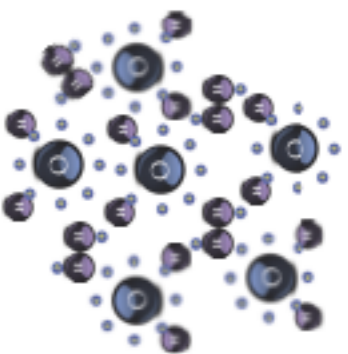
Münchener Str. 4A – 85748 Garching bei München

[www.aquacentrum.de](http://www.aquacentrum.de)

[www.aquacentrum.com](http://www.aquacentrum.com)

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# AQUAVOLTA®

**Age<sub>2</sub> go 2.8 ppm**

The Aquavolta® AGE<sub>2</sub> GO 2.8 ppm Hydrogen Water Generator produces hydrogen gas in its PEM/SPE electrolysis cell from some of the filled drinking water. The hydrogen is pressed into the water like carbon dioxide into a soda bottle. As soon as you open the lid after the production time (optionally 5 or 7 minutes), the hydrogen gases out continuously like carbonic acid in sparkling water. So you should drink quickly. The size of the two glass containers supplied is therefore deliberately kept small so that you can drink your portion of hydrogen water quickly. But it is also possible to connect a larger mineral water bottle bought on the way.



O<sub>2</sub>, ozone, hydrogen peroxide, water vapour and, for some types of water, chlorine are produced as waste gases on the underside of the electrolysis cell. These undesirable vapours are collected in the condensation vessel and can be poured away as an aqueous solution by opening the stopper.



You can use any tap water that complies with the drinking water standard, bottled water (non-carbonated!) and even reverse osmosis filtered or distilled water, as long as you are sure that it is sterile. The temperature of the water can be between 4° and 40° C. Temperatures up to 60° C are only permitted for cleaning purposes. Drinks other than drinking water must not be treated in this device.



The Aquavolta® AGE<sub>2</sub> GO 2.8 ppm hydrogen generator is a product of the latest generation of hydrogen boosters (pressure generators) and will appear for the first time in spring 2019. 3 years of intensive work have gone into this device with our international research and cooperation. Since 2007, more than 1500 scientists have been working on the topic of hydrogen water and its effects on health. More than 100 million people drink hydrogen water.



Please strictly follow the operating instructions provided by your dealer. The latest version can always be found on the information page [www.euromultimedia.de](http://www.euromultimedia.de), where you can also look up background information. We wish you the best of health and a long and happy life!

