



**NEW**

Antioxidant water



# spring-time® premium pro

## The advantages of the spring-time®420 pro combined with enrichment of the water with hydrogen

enrichment with hydrogen →

You know the reverse osmosis device **spring-time®420 pro** or you have read about it in our brochure and want to go **one step further**? It is important for you to **enrich your drinking water with hydrogen gas** in addition to **purification by reverse osmosis and energization by pulsating magnetic field**? In this case the **spring-time®premium pro** is the right choice for you.

antioxidative effect →

Water **enriched with hydrogen gas** changes its **redox potential** (see reverse page) and has an **antioxidant effect**. This means that a **negative redox potential** gives it the ability to **neutralize free radicals**. Free radicals are atoms or molecules with a free, unpaired electron. This makes them extremely reactive and can lead to harmful reactions in the organism.

free radicals and oxidative stress →

The **free radicals** are caused on the one hand by **natural processes**, e.g. by breathing or during physical exertion and sports. The body is able to establish a healthy balance (oxidative homeostasis) for the amount of naturally occurring free radicals through redox regulation. On the other hand, **external factors** such as UV radiation, pollution, negative eating habits, smoking and alcohol also lead to an **increase of free radicals**. If there are not enough **antioxidant protective mechanisms** to eliminate them, **oxidative stress** develops in the body. Inflammatory reactions, infections and chronic diseases can also cause oxidative stress. This can weaken the immune system and promote the development of acute or chronic diseases or premature aging. This can lead to a kind of vicious cycle, in which oxidative stress and the associated stress are mutually dependent and supported.

drinking water as an antioxidant →

To work **against oxidative stress**, it is important to help the body neutralize free radicals with **antioxidant substances**. The **nutrition** with a balanced supply of micro- and macronutrients is very essential. **Vitamins** in fruit and vegetables are particularly important in this context. **Enriching drinking water with hydrogen gas** means that the water is also able to act as an antioxidant and neutralizes free radicals due to the resulting **negative redox potential**. For this purpose, the initially neutral hydrogen changes its oxidation state to +1 and thus has a reducing effect. In this way you can additionally help your body to avoid oxidative stress.

## The spring-time®premium pro...

Purification and energization →

... basically has all features that also apply to the **spring-time®420 pro**. The water is cleaned by means of a **pre-filter, reverse osmosis membrane and ceramic filter**. State-of-the-art membrane technology removes up to 100% of all pollutants. The energization is done by a **magnetic field generator according to Dr. Ludwig®** with the main value of the **Schumann frequency spectrum (7.8 Hz)**.

For detailed information please read the **spring-time®420 pro** brochure.

negative redox potential →

... enriches the water with **hydrogen gas (H<sub>2</sub>)** after the cleaning process. Thus it has an **antioxidant effect** and helps to neutralize free radicals and counteract oxidative stress.

... has improved **semi-automatic functions** which facilitate maintenance work, descaling and disinfection compared to the **spring-time®420 pro**.



Front panel in stainless steel look

**MADE IN GERMANY**

## Enrichment with H<sub>2</sub> by electrolysis

**Electrolysis** means that water is **split** into its individual parts through the application of an electrical voltage.

With the **spring-time®premium pro** (compared to the **spring-time®420 pro**), a small part of the purified water is split into its components (hydrogen and oxygen gas) by platinum electrodes with and integrated electrolysis unit.

The simplified sum equation for this process is as follows:



The oxygen gas is removed and accumulates in the rectangular container on the back of the unit. The hydrogen gas is dissolved in the water and creates a **negative redox potential** that can be measured over several hours.

The initial amount of dissolved hydrogen gas immediately after enrichment is about **400 ppb (parts per billion)**. The measured **redox potential is then approx. -120 mVolt**. After three hours, about -60 mVolt are still measurable. **Untreated tap water** usually has **approx. +500 to +800 mVolt**. The redox potential is a value that indicates how easily a connection absorbs or releases electrons. **The lower the mVolt value, the easier it is to neutralise free radicals**. For example, breast milk has a redox potential of -33 mVolt, amniotic fluid even has a value of -69 mVolt.

Water enriched with hydrogen gas **neutralizes free radicals** that can cause disease, **reduces oxidative stress** and thus increases the personal energy level.

A healthy intestine produces up to **10 litres of hydrogen gas** per day, which is used for numerous processes in our body:

- as fuel in our cells for **energy generation**
- as a protective and repairing **antioxidant**

Due to our current lifestyle and nutrition style, however, the intestine is one of the most labile organs of our body. Many of us do not produce enough of our own hydrogen, which can lead to health problems.

The **spring-time®premium pro** uses a particularly gentle Schauberger-inspired method to **generate hydrogen** that is lastingly integrated into drinking water. Thus you can fulfil your need for **antioxidants** by enjoying the water from the **spring-time®premium pro**.

Beta-carotene is said to have particularly good antioxidant qualities. Drinking 1.5 litres of **hydrogen water** (from 500 ppb) is comparable in its antioxidant power with a food intake of approx. 35 carrots.

**Healthy water has a strong antioxidant effect.**

## spring-time®premium pro

### Technical data:

<b>Water treatment:</b>	Prefilter (sediment or activated carbon) Main filter (reverse osmosis) Afterfilter (ceramic)
<b>Energizing of the water:</b>	by a magnetic field generator (7.8 Hz) and swirling (in the ceramic filter)
<b>Dissolved hydrogen:</b>	250 to 400 ppb
<b>Redox potential:</b>	-80 to -120 mVolt
<b>Power supply:</b>	12V/24V, 24 Watt Power consumption
<b>Weight:</b>	approx. 8.0 kg / 17.6 lbs
<b>Size (WxDxH):</b>	30 x 28 x 34 cm / 11.8 x 11 x 13.4 inches (without drip pan) Depth with drip pan 37 cm / 14.6 inches
<b>Water tank:</b>	approx. 1.8 liters
<b>Production of water:</b>	approx. 1.2 liters in 10 min
<b>Filter exchange:</b>	Prefilter every 6 months
<b>Scope of delivery: (ready to use)</b>	<b>spring-time®premium pro</b> device, water tank with lid, drip pan, drip tray, collection container (collects condensation water/ozonated water), manual, logbook with maintenance description, one bottle of organic descaler (250 ml), activated carbon block filter (for use if you have chlorinated tap water), built-in magnetic field generator
<b>Design front panel:</b>	Alu (standard), stainless steel, carbon, white On request, the front panel can also be supplied in light and dark wood design.
<b>Available as an option:</b>	Glass carafe, handmade from ecologically compatible glass
<b>Warranty:</b>	2 years

**Order number: 527**

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Thank you