

# Experience the power of hydrogen with Anev inhalers

Designed in Poland by expert engineers, this device is trusted by professionals in clinical settings and easily accessible for patients at home. Owned by over 1,000 satisfied users.

Anev is a Polish company operating since 2018, with extensive experience in designing and manufacturing hydrogen inhalation generators.

Our technology supports the work of physiotherapists, rehabilitation specialists, trichologists, cosmetologists, breathing coaches, and many other professionals.

## The Anev Hpm-A1 Inhaler – a technology built on science and expertise.

We produce devices with flow rates ranging from low to high, making them ideal for both professional and home use.

The therapeutic output of the Anev hydrogen inhaler was consulted with Prof. Shigeo Ohta, a Japanese scientist with profound expertise in the action of molecular hydrogen, supported by decades of research.



“Members of Anev with Prof. Shigeo Ohta during a scientific meeting in Ostrava, November 2023”

As a result, the effective and safe flow rate was established at 600 ml/min.

The Anev Hpm-A1 hydrogen inhaler complies with all EU safety standards and directives.

**Its core is a titanium electrode stack coated with platinum,** combined with a custom-designed electronic control system that ensures **constant gas concentration and purity (67% hydrogen, 33% oxygen).**

**The electrolyzer is designed to last between 30,000 and 50,000 operating hours,** thanks to Polish engineering and a proprietary control algorithm.

**It can operate continuously for hours with no drop in performance.**

The device includes multiple safety sensors to prevent damage and ensure water quality – a crucial factor for gas purity and long-term durability.

**It is easy to use, quiet, portable, energy- and water-efficient – ideal for both clinics and home environments.**

## From innovation to integration: Comprehensive Respiratory Therapy



We see enormous potential in maximizing therapeutic outcomes through interdisciplinary collaboration.

This approach aligns perfectly with the philosophy of the Buteyko method, which focuses on adaptation to optimal CO<sub>2</sub> levels – creating an ideal internal environment for antioxidants to work effectively.

## We do not promote hydrogen therapy as a universal remedy – but as a potentially supportive therapeutic tool.

Our mission is to deliver safe, well-engineered solutions that can complement established therapeutic protocols.

We emphasize that the effectiveness of molecular hydrogen therapy depends on dosage, bioavailability, and the individual condition of the patient.

In cases of chronic illness, pharmacological treatment, or inflammation of unknown origin, we strongly recommend caution and professional consultation.



**“Hydrogen doesn’t just scavenge free radicals – it modulates cell signaling, gene expression, and protein phosphorylation. That’s where the real therapeutic potential lies.”**

– Tyler W. LeBaron, IHSA Lecture 2022

## Clinical and practical experience

We have real-world experience with hydrogen-oxygen inhalation using Anev devices in patients with severe SARS-CoV-2 infection (lung involvement of 60-95%) aged 45-55.

Results were remarkable – patients showed a 15-20% reduction in inflammatory markers (CRP, ferritin, LDH), without adverse effects.

This approach was recommended by Dr. Mariusz Krata, internal medicine and sports medicine specialist, Deputy Director of the Specialist Hospital in Wałbrzych.

Our devices are also recommended by Prof. Krystyna Lisiecka-Opalko, MD, PhD, who observed patients using the hydrogen generator 1-3 times per day over a year.

Among those with chronic illnesses, she reported:

- improved respiratory capacity
- enhanced cognitive function
- reduced inflammation
- better hydration

- improved acid-base regulation

This is good news – we are planning further clinical studies, including with COPD patients, in cooperation with medical universities and research institutions.

## Driven by Science. Evolving Through Innovation.

Anev is currently collaborating with the Maria Skłodowska-Curie National Institute of Oncology to evaluate the therapeutic potential of molecular hydrogen in combination with a topical carrier applied to wounds.

We are also launching research initiatives with:

- the Jerzy Kukuczka Academy of Physical Education in Katowice,
- the Józef Piłsudski University of Physical Education in Warsaw,
- the Medical Academy of Applied and Holistic Sciences in Warsaw,

## Beyond Limits: Human Potential and Hydrogen

**Jacek Czech is a Paralympian,** four-time World Championship silver medalist, European Champion, and a three-time Paralympic Games competitor.

Although he had been planning to retire from competitive swimming, in 2021 he incorporated hydrogen inhalation into his rehabilitation routine.

According to him, this innovation has allowed him to maintain his athletic performance and continue competing at the highest level.



Thirty years ago, **Marek Kamiński** became the **first person in history to reach both the North and South Poles in a single year** – solo and without external support – an extraordinary achievement that earned him a place in the Guinness Book of Records. Today, he is preparing to take on a similar challenge.

It’s only natural that people with a global outlook are embracing hydrogen as a tool for its antioxidant properties.

## Let’s collaborate. Let’s research. Let’s breathe!

We invite you to join a growing network of professionals, practitioners, and researchers – from elite athletes to academic institutions – who recognize the potential of molecular hydrogen as a forward-looking element of prevention and therapy.

ANEV Group sp. z o.o.