MOLECULAR HYDROGEN INHALATION

Hydro Nova *1500*

Our recommended machine for daily practice at home.
Pure water in; molecular hydrogen and oxygen out,
blended inside the unit for every breath.



1,500	66.6%	1–8 hrs
ML/MIN OUTPUT	HYDROGEN	TIMED SESSIONS

INTRODUCING THE HYDRO NOVA 1500

Room in the day *for yourself.*

The Hydro Nova 1500 splits purified water into molecular hydrogen and oxygen, blends them inside the machine, and delivers them through a soft nasal cannula.

It is the machine most of our customers choose. Compact enough to sit beside a sofa, a desk or a bed, and quiet enough to forget it is running while you read, work or wind down.

Most of the wellness market sits at 250–600 ml/min. The Nova runs at up to 1,500 ml/min.

At the dose serious research uses, not the minimum that has been tested.



AT A GLANCE

Built for daily practice, *sized for home.*

1,500 ml/min

MAXIMUM OUTPUT

Three flow settings: 1,500, 900 and 450 ml/min of blended gas.

2 : 1

HYDROGEN TO OXYGEN

66.6% H_2 and 33.3% O_2, mixed inside the unit. No external T-pieces.

1–8 hours

SESSION TIMER

Adjustable timer, sleep mode and continuous operation.

PEM

PURE WATER ELECTROLYSIS

No alkaline solution, no alkaline mist. USA-manufactured membrane.



THE SCIENCE

The smallest molecule. *A selective antioxidant.*

Molecular hydrogen is the smallest molecule there is. That size lets it diffuse across cell membranes and reach the mitochondria and the nucleus, places larger antioxidants struggle to get to.

Once there, it acts selectively. In a landmark 2007 study in *Nature Medicine*, Ohsawa and colleagues showed that hydrogen neutralises the hydroxyl radical, one of the most reactive free radicals, while leaving the signalling molecules your cells rely on intact.

Ohsawa I, et al. *Nature Medicine* 2007; 13(6): 688–694. doi:10.1038/nm1577

1 **Crosses cell membranes**

Small enough to diffuse freely, including across the blood–brain barrier.

2 **Targets the most reactive radicals**

Neutralises the hydroxyl radical, a key driver of oxidative stress.

3 **Leaves the useful ones alone**

Signalling radicals the body needs are left intact. That selectivity is what sets it apart.

Where the research is going. A growing body of research, now more than 1,000 studies, has explored molecular hydrogen in oxidative stress, inflammation signalling and cellular protection. Research suggests regular inhalation may support recovery and everyday energy. We say *may* deliberately: the evidence is promising, and still growing.

HOW IT WORKS

Pure water in. *Pure gas out.*

1. **Fill with distilled water**

   Purified or distilled water is the only thing the machine consumes. A level window on the side shows how much is left.

2. **Split by a PEM cell**

   A proton exchange membrane separates the water: hydrogen forms at one electrode, oxygen at the other.

3. **Blended inside the unit**

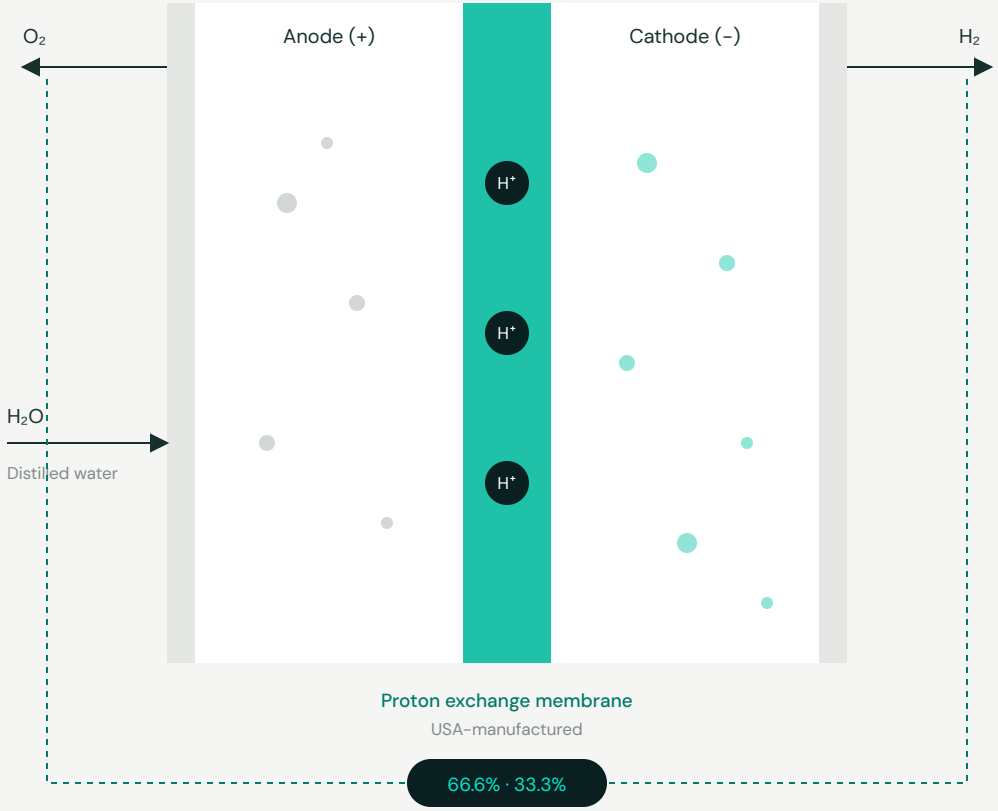
   The two gases combine at a fixed 66.6% / 33.3% ratio before they leave the machine.

4. **Humidified and delivered**

   Gas bubbles through the humidification cup, visible in the lit front window, and out to a soft nasal cannula.

With no alkaline solution in the process, there is no alkaline mist or residue, and the humidification cup water stays clear over time.

INSIDE THE PEM CELL



Blended inside the unit, then humidified

DAILY PRACTICE

A ritual that fits *around you.*

The cannula is light enough to forget about, and the machine is small enough to live beside you. Most people build sessions into something they already do.



AT THE DESK



AFTER TRAINING



WINDING DOWN

Three flow settings	1,500, 900 or 450 ml/min, chosen on the touch display.
Session timer	Set anything from one to eight hours.
Sleep mode	For evening and overnight sessions.
Voice prompts	Session status, water alerts and timer notices, spoken aloud.
Quiet running	Around 20 dB, so it sits comfortably in a living room or bedroom.

Getting started. Sessions start from 20 minutes. Many people begin at a lower setting with shorter sessions, and build from there.



SAFETY

Safety, *engineered in.*

Every part of the Hydro Nova is designed so the gas goes exactly where it should, and nowhere else. Safeguards are built in at each stage, from the cell to the cannula.

- **Sealed gas path**
  A patented flame-retardant design keeps the hydrogen and oxygen in their own isolated channel, from the cell to the outlet.
- **Condensation trap**
  A built-in water collector stops condensation travelling up the cannula.
- **Sensor monitoring**
  Cell voltage, temperature and water quality are monitored continuously.
- **Automatic safety stop**
  If the machine senses static or a naked flame nearby, it switches itself off and alerts you.
- **Electrical protection**
  Triple-layer electrical safety, monitored over more than 10,000 hours of operation.
- **Dual cooling**
  Air and water cooling keep the cell in range on long sessions.

FEATURES

Considered, *down to the detail.*

Pure water electrolysis

PEM technology. Distilled water is the only input.

Internal H_2/O_2 mixing

A fixed 2:1 blend, created inside the unit.

Purify and humidify

Gas passes through the lit humidification cup before you breathe it.

Water-quality monitoring

Checks water purity (TDS) and tells you when to change it.

Intelligent sensors

Voltage and temperature tracked throughout every session.

Air and water cooling

Built for long sessions without overheating.

Condensation trap

Keeps water out of the cannula line.

Touch control, voice prompts

Flow, timer and modes set from one clear display, with spoken status.

Compact, on castors

At 9 kg and 210 mm wide, it fits beside a sofa or bed and rolls from room to room.

SPECIFICATION

The *numbers.*

OUTPUT FLOW	1,500 / 900 / 450 ml/min
GAS MIX	66.6% hydrogen · 33.3% oxygen
ELECTROLYSIS	PEM (SPE), pure water · USA-manufactured membrane
MEMBRANE RATING	10,000 hours
WATER	Distilled or purified · 2.6 litre tank
TIMER	1–8 hours, plus continuous and sleep modes
NOISE LEVEL	Around 20 dB
POWER	220V ~ 50Hz · 360W maximum
DIMENSIONS	210 × 430 × 419 mm (W × D × H)
WEIGHT	9 kg
CERTIFICATION	CE

Quality. Every unit is aged and tested before it leaves the factory, and every electrolysis cell is screened for 24 hours. The hydrogen–oxygen ratio is independently tested.

1 Touch display
Flow, timer and modes

2 Water collector
Condensation trap

3 Water level window
See the tank at a glance

4 Humidification cup
Gas is humidified here

5 Castors
Four wheels, room to room



WHY H2 PURE LIFE

Bought here. *Supported here.*

01	UK-based team	— real people on the phone, Mon–Fri
02	Free next-day UK delivery	
03	2-year UK warranty	— handled by our UK team directly
04	Filters and cannulas	— from UK stock, fit every machine
05	Setup videos	— step by step, on the day it arrives
06	Payment plans	— may be available, subject to eligibility



Soft nasal cannula and replacement filter

Talk to us about the Hydro Nova 1500.

BREATHE PURE. LIVE WELL.

01904 530937 · Mon–Fri, 9am–4pm

hello@h2purelife.co.uk · h2purelife.co.uk

York Eco Business Centre, Amy Johnson Way, York YO30 4AG

H2 Pure Life products are wellness devices and are not intended to diagnose, treat, cure or prevent any disease.

H_2 Pure Life