HYDROGEN AND OXYGEN GENERATOR FOR THE HOME

VIVAIR Pro

Produces molecular hydrogen and oxygen on demand from purified water, using electrolysis with a PEM membrane. Each gas comes out of its own outlet, for one or two people at a time, while you read, meditate or rest.

1.200 ml/min
Hydrogen (H_2)

600 ml/min
Oxygen (O_2), separate outlet

1.800 ml/min
Total flow

2
People at a time, each with their own cannula

360 min
Timer, in 30-min steps

3 years
VIVAIR warranty and technical service in the EU



PERFORMANCE

Hydrogen (H_2)	1,200 ml/min
Oxygen (O_2)	600 ml/min, separate outlet
Total flow	1,800 ml/min
Flow levels	3, selectable on the screen
Technology	PEM electrolysis (solid polymer electrolyte) with a German membrane
Gas outlets	3 on the lid: 2 for H_2 and 1 for O_2
Start-up	Gradual; nominal flow in ~1 min

USE

Simultaneous use	2 people
Modes	Hydrogen, oxygen or both at once (Brown's gas, HHO) with a T or cross connector
Screen	Colour touchscreen, menus in your language
Timer	30–360 min, in 30-min steps; stops by itself
Measurements	Water temperature and quality (TDS)
Protections	Low water level, over-temperature and power limit
Cooling	Automatic fan above 35 °C

WATER

Type	Purified: reverse-osmosis or distilled
Quality	TDS ≤ 30 ppm (resistivity > 2 MΩ·cm)
Tank	3 l; operates between 1.4 and 2.5 l
Filling and draining	Manually through the lid or automatically through the rear ports

ELECTRICAL AND PHYSICAL

Power supply	100–240 V · 50/60 Hz, earthed socket
Power	315 W (≈ 0.3 kWh per hour of use)
Device dimensions	24 × 31 × 38 cm (length × width × height)
Device weight	14 kg
Packaging	40 × 33 × 57 cm · 15.5 kg · cardboard
Operating conditions	0–40 °C · humidity < 85 % · ventilated room
Design	White body, black lid, illuminated level windows, side handle and wheels

CONFORMITY

CE · LOW VOLTAGE 2014/35/EU · EMC 2014/30/EU · ROHS 2011/65/EU · REACH 1907/2006 · WATER CONTACT 1935/2004

FILTIC PRO S.L. · importer and party responsible for the product in the EU (Regulation (EU) 2023/988)
C/ Francisco Ortiz 10, 1º · 06100 Olivenza (Badajoz), Spain · Tax ID B44964104 ·
info@vivair.eu · vivair.eu

VIVAIR is a wellness device, not a medical device. Its oxygen does not replace medical oxygen.
Data subject to change without notice.

OUTSIDE

Designed down to the last detail



Touchscreen

Time, flow level, temperature and TDS, in your language.



Three outlets

Two for hydrogen and one for oxygen, on the lid, plus a one-turn filling cap.



Level windows

Two illuminated windows: see the tank water without opening anything.



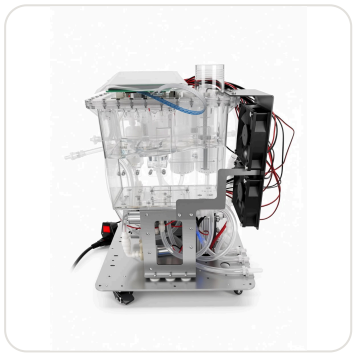
Handle and wheels

Built-in handle and smooth wheels to move it without lifting.

INSIDE

Internal construction





01 **Transparent 3 l tank**
With level sensor and water quality (TDS) sensor.

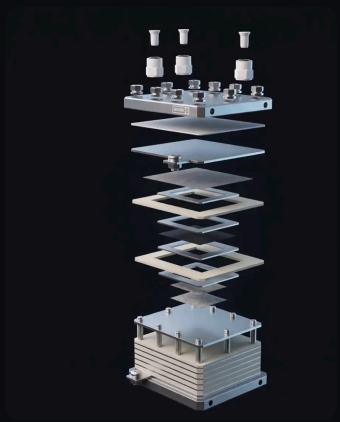
02 **PEM electrolysis cell**
Splits water into hydrogen and oxygen, which leave through separate circuits.

03 **Circulation pump**
Feeds water to the cell and returns the excess to the tank.

04 **Power supply and control**
Electronic board with temperature, level and power protections.

05 **Twin fans**
Switch on only when the inside exceeds 35 °C.

06 **Steel chassis**
Metal base with rear filling and draining ports.



THE HEART OF THE DEVICE

The PEM cell, layer by layer

01 **Gas connections** · one outlet for hydrogen and another for oxygen.
02 **End plate** · machined aluminium that keeps the cell tightly pressed.
03 **Current collector** · spreads the current over the whole surface.
04 **Titanium mesh** · lets water and gases through and does not corrode.
05 **Seals** · seal each layer so the gases never mix.
06 **PEM membrane** · with its catalyst, splits water and only lets protons through.
07 **Bipolar plates and base** · stack several cells in series and lead the gas to its outlet.

IN THE BOX

- 1× VIVAIR Pro
- 4× Nasal cannulas
- 1× Condenser
- 2× T connectors
- 1× Cross connector
- 1× 1 m silicone tube
- 2× Spare fuses
- 1× Power cable
- 1× Multilingual manual
- 1× «Your first ritual» guide

Safe use. Use it indoors, in a ventilated room, away from flames, candles, cigarettes and heat sources, without covering any outlet. Use only purified water (TDS ≤ 30 ppm). Empty the tank before moving it. Read the manual and the product safety sheet before first use.

Warranty. 3-year VIVAIR warranty with technical service in the EU, in addition to the legal guarantee of conformity. Register with the QR code in the manual.