VIVAIR

USER MANUAL · MODEL TD-1-1800

VIVAIR Pro

Hydrogen and oxygen generator for your wellness routine. Read this manual and the safety sheet before first use and keep them with the device.



Welcome to VIVAIR

Thank you for choosing VIVAIR Pro. This device produces molecular hydrogen and oxygen on demand from purified water, so you can breathe them calmly while you read, meditate or rest. Each gas comes out of its own outlet and two people can use it at the same time.

Register your device. Scan the QR code on page 14 or go to My account on vivair.eu. You activate the 3-year VIVAIR warranty and allow us to inform you of any safety communication.

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Safety: read this first

Flammable gas. Hydrogen is flammable in air from a concentration of 4 % and oxygen feeds combustion. Always follow these rules.

- **Ventilated room.** Use it only indoors in ventilated rooms. Never in enclosed spaces, cupboards, vehicles or tents.
- **Away from flames.** Do not smoke or use flames, candles, lighters or appliances that produce sparks near the device. Keep it away from heat sources and direct sunlight.
- **Uncovered.** Do not cover the device or its grilles while it is running. Always remove the caps from the gas outlets and the tank, whether or not you use that outlet.
- **Earthed socket.** Plug it into an earthed socket. Do not use multi-plug adapters or damaged extension leads.
- **Electricity and water.** Switch off and unplug the device before cleaning it, refilling the tank by hand or changing the fuse. Do not open the housing: there is voltage inside.
- **Purified water only.** Reverse-osmosis or distilled, with a TDS of 30 ppm at most. Other water can damage the cell.
- **Stable surface.** Place it on a firm, level surface. It weighs 14 kg: move it with the handle and wheels, always upright.

Intended use

VIVAIR Pro is a wellness device for home use and wellness centres, indoors. It is not a medical device and is not intended to diagnose, treat or prevent any disease. Its oxygen does not replace medical oxygen: if you have prescribed oxygen, always follow your doctor's instructions.

People

- If you have a health condition (especially a respiratory one), are pregnant or take medication, consult a healthcare professional first.
- Children may only use it with an adult. It is not a toy: keep tubes and connectors out of their reach.
- Each person uses their own cannula or accessory. Do not share them.
- If you feel unwell, remove the cannula, ventilate the room and rest.

During operation

- The cell works at about 50–60 °C and the housing may feel warm. This is normal.
- If you smell burning, see smoke or the device has fallen or got wet: switch it off at the rear switch, unplug it and do not use it again until the technical service has checked it.
- Do not fill and drain the tank at the same time with the automatic functions.
- Use only original parts, fuses and accessories.

What's in the box

When it arrives, check the packaging in front of the courier. If it is damaged, note it on the delivery slip and let us know within 48 h at info@vivair.eu, with a photo. Check that you have everything:

1×	VIVAIR Pro
4×	Nasal cannulas
1×	Condenser (collects moisture from the gas before it reaches the cannula)
2×	T connectors (join two outlets into one tube)
1×	Cross connector (joins the three outlets)
1×	1 m silicone tube for draining the tank
2×	Spare fuses
1×	Power cable
1×	User manual and safety sheet
1×	«Your first ritual» quick guide

Compatible accessories

On vivair.eu you will find spare cannulas, hydrogen glasses and earbuds, and masks (small and full-face). They all connect to an outlet on the device. For hygiene reasons, they are for personal use.

Get to know your VIVAIR Pro





FRONT AND LID

1. Touchscreen
2. Illuminated water level windows
3. Side handle
4. Wheels
5. Hydrogen outlets (H_2) · 2
6. Oxygen outlet (O_2) · 1
7. Tank filling cap
8. Side ventilation grille

REAR

9. Main switch
10. Cable socket and fuse holder
11. Automatic water inlet
12. Automatic drain outlet
13. Manual drain
14. Fans and folding handle

Where to put it and which water to use

Location

- Indoors, in a ventilated room, on a stable, level surface.
- With the screen facing you and free space around it so air can circulate.
- Temperature between 0 and 40 °C, humidity below 85 % and no direct sunlight.
- Near an earthed socket (100–240 V, 50/60 Hz).

The water

VIVAIR Pro uses the tank water as the raw material to produce the gases. That is why it needs very pure water:

Yes	Reverse-osmosis or distilled water, with TDS of 30 ppm at most (resistivity > 2 MΩ·cm)
No	Tap, mineral or sparkling water, or water with fragrances or additives (some «ironing waters» contain them)
Tank	3 litres. Operates between 1.4 l (minimum) and 2.5 l (maximum)

The TDS sensor looks after your device. The screen shows the water quality and warns you if it is not suitable. Using unsuitable water can damage the cell and is not covered by the warranty.

First use

1. **Unpack**
   Take out the device and accessories and check that everything is there (page 5).

2. **Remove the caps and the film**
   Remove the caps from the gas outlets. Open the tank lid and remove the protective film: it seals the tank during transport. Some water from factory testing may remain; this is normal.

3. **Fill the tank**
   By hand: pour purified water through the top cap until the level is between the marks on the windows (between 1.4 and 2.5 l).
   Automatic (recommended the first time): connect a tube to the rear water inlet and the device fills up to the correct level.

4. **Connect and switch on**
   Plug the cable into an earthed socket and press the rear switch. The screen lights up and the device goes into standby. The first time, choose your language.

5. **Connect your cannula**
   See «Connection options» (page 10).

Always with water before switching on. If the level drops below 1.4 l the device stops to protect the cell, and if it exceeds 2.5 l it warns you and will not run until you drain the excess.

Your session step by step

1. **Check the water**
   The level should be between the marks on the windows.
2. **Put on the cannula**
   Connect it to the outlet you want, rest the two prongs at the entrance of your nose and pass the tube behind your ears.
3. **Choose the time**
   With «+» and «–» on the screen, in 30-minute steps, from 30 to 360 minutes. To start, 30 minutes is fine.
4. **Choose the flow level**
   There are three levels; the highest is selected at start-up. Use «>» and «<» to change it. The actual flow may vary with the water quality.
5. **Press Start/Pause**
   The device starts gradually and reaches its flow in about a minute. You will see bubbles in the window and the screen will show the remaining time.
6. **Breathe normally**
   Read, listen to music, meditate or rest. There is no need to breathe in any special way.
7. **When it finishes**
   The device stops by itself and returns to standby. Remove the cannula, empty the condenser if you see water and store it clean and dry.

Connection options

The lid has two hydrogen outlets (H_2) and one oxygen outlet (O_2). With the T and cross connectors you can combine them:

1 PERSON
Hydrogen
One cannula on an H_2 outlet.

2 PEOPLE
Hydrogen for two
One cannula on each H_2 outlet.

2 PEOPLE
Hydrogen + oxygen
One cannula on an H_2 outlet and another on the O_2 outlet.

1 PERSON
Oxygen
One cannula on the O_2 outlet.

2 PEOPLE
Brown's gas + hydrogen
T connector over one H_2 outlet and the O_2 outlet, with a cannula; another cannula on the second H_2 outlet.

2 PEOPLE
All the hydrogen + oxygen
T connector over both H_2 outlets, with a cannula; another cannula on the O_2 outlet.

1 PERSON
All the gas (Brown's gas, HHO)
Cross connector over the three outlets and one cannula: you breathe hydrogen and oxygen together, 2 parts H_2 to 1 part O_2, as they form water.

With condenser. If moisture forms in the tube, fit the condenser between the outlet (or connector) and the cannula. Empty it when you see water collecting.

Never cap an outlet. Even if you only use hydrogen, leave the oxygen outlet uncapped: if it is capped, the pressure can push water into the cannula.

Screen messages

`High TDS`	The water contains salts or impurities. Drain the tank through the rear outlet, refill it with deionised or distilled water and repeat if necessary until the warning disappears.
`Check TDS sensor`	The sensor is not detected or is blocked. Drain the tank once or twice, refill it with purified water and restart. If it continues, open a support request.
`Low water level`	Add purified water until the tank is more than half full (about 1,000 ml at a time) or use automatic filling.
`High water level`	Drain the excess through the rear outlet until the level returns to the normal range.
`Add water`	The level has dropped during the session. Top up until the warning disappears.
`Add time`	The time is set to zero. Increase it with «+» before starting.
`High temperature`	The inside has reached about 60 °C. Stop the session, let it cool down and check that nothing is covering the grilles. If necessary, change the water.

Automatic draining

With the device plugged in, connect the silicone tube to the drain outlet and tap the drain icon in the top right corner of the screen to confirm. Gas production stops while it drains.

Maintenance

VIVAIR Pro needs very little: suitable water, a monthly clean and replacing your cannula now and then. Before any task, switch it off and unplug it.

The water

If the device is working normally and there are no warnings, there is no need to change the water: add purified water when the level drops.

Monthly tank cleaning

1. Connect the silicone tube to the manual drain outlet and empty the tank completely.
2. Fill it with purified water, drain it again and repeat two or three times. Do not use detergents or chemicals.
3. Refill it to the correct level.

Exterior, cannulas and accessories

Clean the housing with a soft, barely damp cloth, without solvents or alcohol, and never immerse it. Wash cannulas and accessories with lukewarm water and mild soap and let them air-dry. Replace the cannula every 1–3 months with daily use, or sooner if it hardens or stains.

Fuse

Switch off and unplug the device. Open the rear fuse holder and replace the fuse only with a spare identical to the one supplied.

Transport and storage

Empty the tank completely before moving or storing the device, and always transport it upright. If you will not use it for a while, store it empty, dry and protected from dust.

Troubleshooting

It does not switch on	Check the plug and the rear switch. If it still does not switch on, replace the fuse with the spare. If that does not solve it, open a support request.
Little gas at start-up	This is normal: it starts gradually and reaches its flow in about a minute.
No bubbles when I put the cannula in water	Do not immerse it too deeply and check that the tank cap is properly closed.
Water gets into the cannula	Check that no outlet is capped (including the oxygen one) and empty the condenser.
The housing feels warm	This is normal: the cell works at about 50–60 °C.
The fan does not turn	This is normal: it only switches on when the inside exceeds 35 °C.
The pump is noisy the first time	There is air in the circuit. It disappears after a few minutes of operation.
Unusual noise	Switch it off and write to us at info@vivair.eu.

Still not solved? Open a support request from My account on vivair.eu or write to info@vivair.eu with the serial number. We reply within 24 working hours.

Specifications

Model	TD-1-1800
Flow	1,200 ml/min H_2 + 600 ml/min O_2 (1,800 ml/min in total) · 3 levels
Technology	PEM electrolysis (solid polymer electrolyte)
Power supply and power	100–240 V · 50/60 Hz · 315 W
Tank	3 l (operates between 1.4 and 2.5 l)
Timer	30–360 min, in 30-min steps
Dimensions and weight	24 × 31 × 38 cm · 14 kg
Operating conditions	0–40 °C · humidity < 85 % · ventilated room

Warranty

3-year VIVAIR warranty, with technical service in the EU, in addition to the legal guarantee of conformity in your country. Register it with the QR code or on vivair.eu. It does not cover damage caused by unsuitable water, knocks, falls, external liquids or unauthorised handling, nor normal wear of cannulas and tubes.



Do not dispose of it with household waste: take it to a collection point for electrical and electronic equipment or ask us how to return it. It contains no batteries. The packaging is recyclable cardboard.