



ATMOSPHERIC WATER GENERATOR

PureAir10

User Manual

Model HL-AWG-10L

Read this manual before you connect the appliance to a power supply. Keep it for future reference.

• Contents

1	Safety information
2	Introduction
3	Electrical safety
4	Placement and handling
5	How the appliance works
6	In the box
7	Installation
8	Control panel
9	Replacing the filters
10	Troubleshooting
11	Technical specifications

1 Safety information

Intended use

This appliance produces drinking water from the moisture in the air. It is designed for indoor use in homes and in similar environments, such as:

- offices, shops and other working environments
- hotels, guest houses and other residential environments
- clinics and care facilities
- boats and other marine environments

Who may use the appliance

The appliance may be used by people with reduced physical, sensory or mental capabilities, or with no experience or knowledge, only if they are supervised or have been instructed in its safe use and understand the hazards involved.

Children aged 8 and over may use the appliance only if they are supervised or have been instructed in its safe use and understand the hazards involved. Children must not play with the appliance. Children must be supervised by an adult whenever they operate it.

If the supply cord is damaged, it must be replaced with a cord obtained from Pure Air Hydration or its service agent. Never repair a damaged cord.

BEFORE YOU SWITCH THE APPLIANCE ON

- Keep the appliance upright in its final position for 4 hours before you connect it to a power supply.
- When the appliance is used for the first time, or after it has been out of use for a long period, drain the first tank of purified water through the outlet. The next tank of water is ready for drinking.
- Replace the filters when the filter indicators flash. Filters that are past their service life reduce water quality.

2 Introduction

Thank you for choosing the PureAir10 atmospheric water generator. The appliance draws in room air, condenses the moisture it contains into water, and passes that water through a filtration and sterilisation system, so that it delivers clean, chilled drinking water without a water connection and without plastic bottles. Up to 10 litres per day are produced, depending on the temperature and humidity of the room. If you pass the appliance on to a third party, hand this manual over with it.

Features

- Made from food-grade materials.
- Ultraviolet sterilisation kills bacteria and viruses in the stored water.
- Microcomputer control: water production, filtration and cooling run automatically.
- Several protection alarms keep track of faults and show them on the display.

- The stored water is recirculated through the filters and the UV lamp, so it stays fresh.

Operating range

The appliance works at an ambient temperature of 5 °C to 32 °C and a relative humidity of 35 % to 90 %. The more humid the air, the more water the appliance collects.

Limitation of liability

All technical information, data and operating instructions in this manual correspond to the latest version at the time of printing. No claim can be derived from the data, illustrations or descriptions. Pure Air Hydration is not liable for damage resulting from non-observance of this manual, improper use, improper repair, unauthorised modification, or the use of unauthorised spare parts. Changes made to the appliance to improve it are not necessarily reflected in this manual.

3 Electrical safety

1. Connect the appliance only to a suitable power supply: 220 V, 50 Hz, from an earthed socket outlet rated for at least 10 A.
2. Do not share the socket outlet with other appliances and do not use a multi-way adapter.
3. Do not pull on the power cord and do not let it be damaged. Keep the cord out of the reach of children.
4. Never plug in or unplug the appliance with wet hands. This can cause an electric shock.
5. Disconnect the appliance from the power supply during thunderstorms, to protect it from damage.
6. Disconnect the appliance from the power supply before cleaning or maintenance.
7. Do not attempt to repair the appliance or the power cord yourself. Contact Pure Air Hydration for service.
8. Do not remove the back cover of the appliance.

4 Placement and handling

1. Do not place or use the appliance in an environment with volatile, corrosive or flammable chemicals.
2. Do not use the appliance where the air pollution is above Class III.
3. If you notice abnormal sounds, smells, heat or a water leak, disconnect the appliance from the power supply and contact Pure Air Hydration for service.
4. Do not place any objects on top of the appliance.
5. Always keep the appliance upright.
6. Keep flammable objects at least 40 cm away from the back of the appliance: it blows out warm air.
7. Drain the water tank before you move the appliance, so that no water spills inside it.
8. Operate the appliance only at temperatures above zero.
9. Choose a location with clean air: the air filter lasts longer.

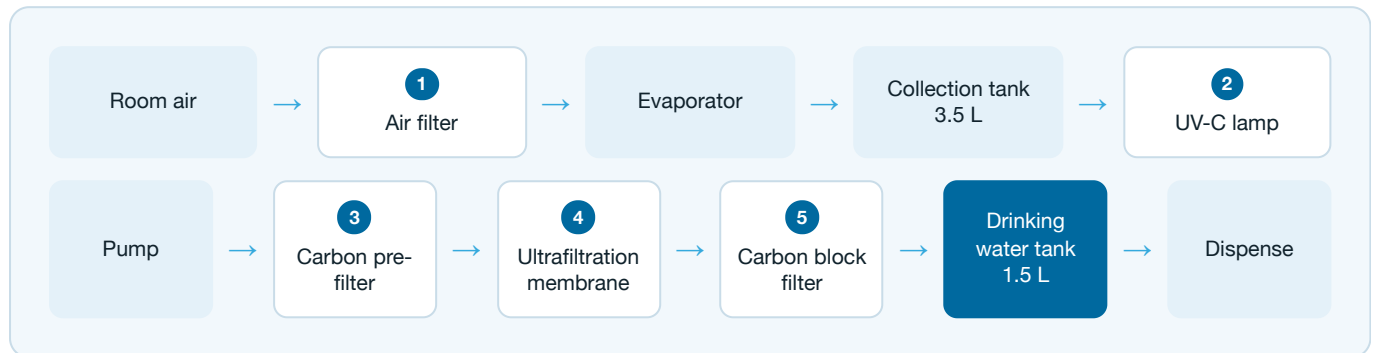
5 How the appliance works

A fan draws room air through the air filter ① and over the cold evaporator, where the moisture in the air condenses into water droplets. The water drips into the collection tank, where a UV-C lamp ② keeps it free of bacteria and micro-

organisms.

A pump then pushes the water through the three water filters: the activated-carbon pre-filter ③ removes chlorine, odours and organic compounds, the ultrafiltration membrane ④ retains particles, bacteria and other contaminants down to a fraction of a micron, and the carbon block post-filter ⑤ polishes the taste. The purified water is stored in the drinking water tank, chilled to 10 °C to 14 °C, and dispensed at the touch of a button.

The water path



The five treatment stages

- 1 Medium-efficiency composite air filter: keeps dust and micro-particles out of the appliance and cleans the air that enters it.
- 2 UV-C lamp: kills bacteria and micro-organisms in the collection tank.
- 3 Activated-carbon pre-filter (PAC): absorbs chlorine, odours and hazardous organic compounds.
- 4 Ultrafiltration membrane (UF): retains particles, bacteria and other contaminants down to 0.01 micron.
- 5 Carbon block post-filter (CB): refines the taste and removes any remaining odour.

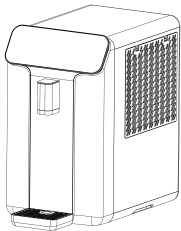
ADDING WATER BY HAND

To shorten the waiting time, or when the air is too dry, you can pour bottled or tap water into the collection tank, up to its maximum level mark. The appliance then filters and sterilises that water in the same way as the water it collects from the air, so it comes out clean and safe.

6 In the box

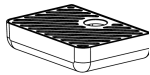
Before you install the appliance, check that everything listed below is in the box. If anything is missing, contact Pure Air Hydration.

Atmospheric water generator	1
Drip tray (magnetic)	1
Power cord	1
Air filter	1, fitted in the appliance
Water filters	3, fitted in the appliance
User manual	1



The PureAir10

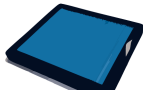
The air filter and the three water filter cartridges are already installed inside the appliance. You do not need to fit them before first use.



Drip tray



Power cord



Air filter



Water filters

7 Installation

Choosing the location

- Place the appliance on a firm, level surface. An appliance that is not level is noisy during operation.
- Leave a gap of at least 30 cm between the appliance and the walls on every side, so that it can draw in and blow out air freely.
- Make sure the room is well ventilated.
- Leave the appliance in its final position for 4 hours before you switch it on.

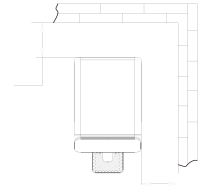


Figure 1 · At least 30 cm to the walls at the sides and at the back

Setting up

1. Take the appliance out of its packaging, place it in the chosen location and leave it there for 4 hours before you switch it on.
2. After the 4 hours, take out the power cord, connect it to the socket on the back of the appliance and plug it into the wall socket (Figure 2).
3. Take out the magnetic drip tray and attach it directly below the water outlet (Figure 2).

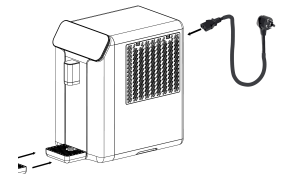


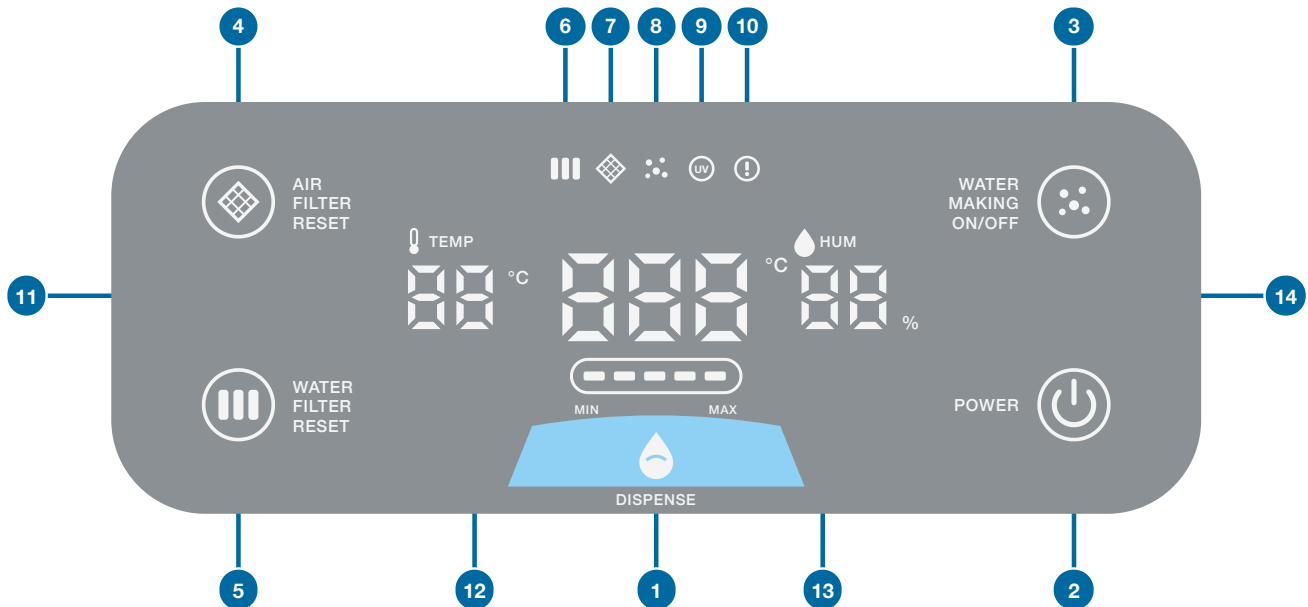
Figure 2 · Connect the power cord and attach the drip tray under the outlet

First use

1. When you use the appliance for the first time, or after it has been out of use for a long period, drain the first tank of purified water through the outlet. The next tank of water is ready for drinking.
2. To save time, you can pour bottled or tap water into the collection tank, up to its maximum level mark. The appliance filters and sterilises it before it reaches the drinking water tank.

8 Control panel

Buttons and indicators



- | | |
|-----------------------------|-------------------------------|
| 1 Dispense button | 8 Water production indicator |
| 2 Power button | 9 Sterilisation indicator |
| 3 Water production button | 10 Fault indicator |
| 4 Air filter reset button | 11 Ambient temperature |
| 5 Water filter reset button | 12 Drinking water tank level |
| 6 Water filter indicator | 13 Drinking water temperature |
| 7 Air filter indicator | 14 Ambient humidity |

Using the buttons

Dispense button ① · Touch and hold to dispense water. Water is dispensed only once the drinking water tank has reached its minimum level. After the appliance is reconnected to the power supply, wait one minute before you dispense water.

Power button ② · Touch to switch water production on. Touch again to switch it off.

Water production button ③ · Its light flashes while water is being produced or the water is being chilled. It stays on when the appliance is ready to produce water, and it is off when water production is switched off.

Air filter reset button ④ · After you have replaced the air filter, touch the button for 2 seconds. The air filter indicator stops flashing.

Water filter reset button ⑤ · After you have replaced the water filters, touch the button for 2 seconds. The water filter indicator stops flashing.

Reading the display

Water filter indicator ⑥ · Lights up when the water filters need to be replaced.

Air filter indicator ⑦ · Lights up when the air filter needs to be replaced.

Water production indicator ⑧ · Lights up while the appliance is producing water or chilling it.

Sterilisation indicator ⑨ · Lights up while the UV-C sterilisation is running, and is off when it has stopped.

Fault indicator ⑩ · Lights up when the appliance has detected a fault. The fault code is shown on the display (see section 10).

Ambient temperature ⑪ · Shows the temperature of the room. It flashes when the temperature is below 5 °C.

Drinking water tank level ⑫ · Shows how much water is in the drinking water tank, from MIN to MAX.

Drinking water temperature ⑬ · Shows the temperature of the water in the drinking water tank.

Ambient humidity ⑭ · Shows the relative humidity of the room. It flashes when the humidity is below 35 %.

Replace the water filters on time. This is essential for the quality of the water.

9 Replacing the filters

The air filter sits behind the grille on the right-hand side of the appliance, and the three water filter cartridges sit behind the cover on the left-hand side. Each indicator on the display tells you when its filter needs to be replaced. Use only filters supplied by Pure Air Hydration.

Replacing the air filter ①

1. Disconnect the appliance from the power supply.
2. Press the buttons on both sides of the top of the filter cover on the right-hand side of the appliance and remove the cover (Figure 3).
3. Slide the old air filter out and slide the new one in (Figure 4).
4. Refit the cover, reconnect the appliance and touch the air filter reset button for 2 seconds.

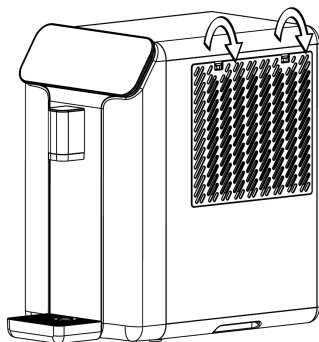


Figure 3 · Open the filter cover on the right-hand side

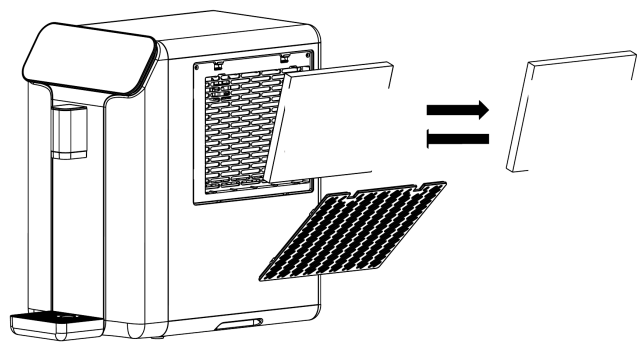


Figure 4 · Slide the old filter out and the new one in

Replacing the water filters ③ to ⑤

1. Disconnect the appliance from the power supply.
2. Press the buttons on both sides of the top of the filter cover on the left-hand side of the appliance and remove the cover (Figure 5).
3. Turn each cartridge clockwise to release it and pull it out (Figure 6).

4. Insert each new cartridge and turn it anticlockwise until it locks.
5. Refit the cover, reconnect the appliance and touch the water filter reset button for 2 seconds.

Replace the three cartridges one at a time, so that each new one goes into the position of the one you have just removed.

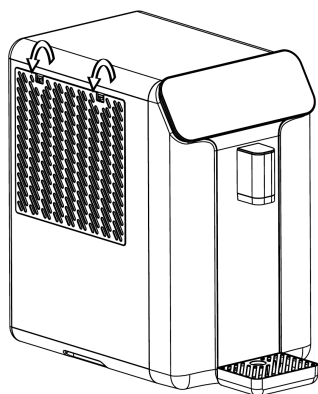


Figure 5 · Open the filter cover on the left-hand side

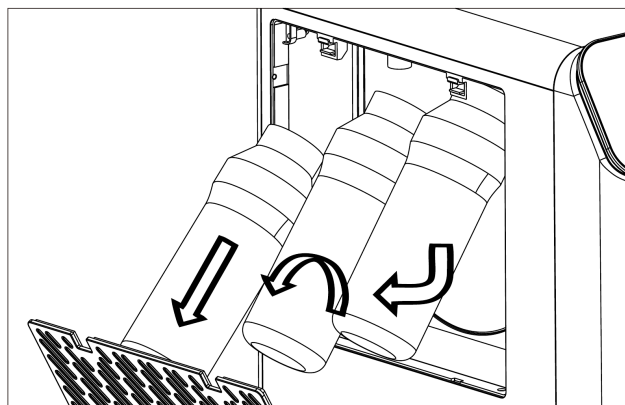


Figure 6 · Turn each cartridge to release it

Cleaning the collection tank

Clean the collection tank with water and a soft cloth. Do not use corrosive cleaning agents such as alcohol or thinner. The UV module at the bottom of the tank must never be immersed in any liquid.

1. Disconnect the appliance from the power supply and pull the collection tank out of the back of the appliance (Figure 7).
2. Set the tank down (Figure 8).
3. Lift the lid off the tank (Figure 9).
4. Rinse the tank under the tap. Keep water away from the electrical connector of the UV module (Figure 10).
5. Dry the tank, refit the lid and slide the tank back into the appliance.

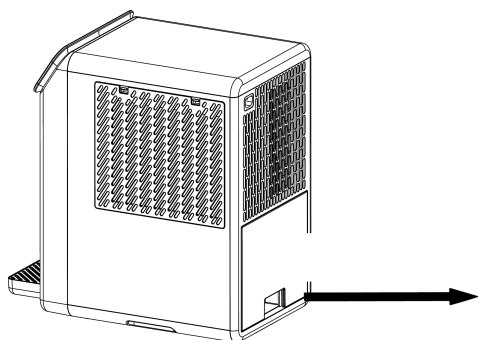


Figure 7 · Pull the collection tank out

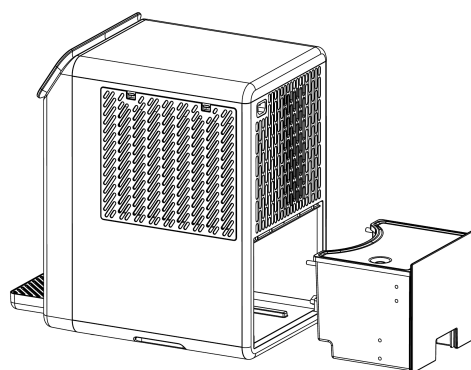


Figure 8 · The tank removed

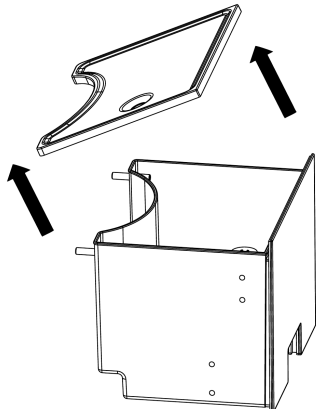


Figure 9 · Lift the lid off

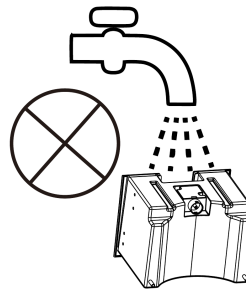
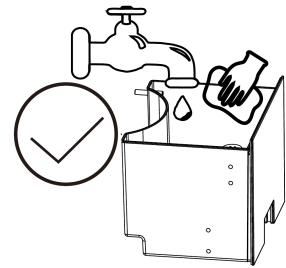


Figure 10 · No water on the electrical connector; rinse the tank itself



Do not open the appliance. Only a qualified service technician may work inside it. To order replacement air filters and water filters, contact Pure Air Hydration.

10 Troubleshooting

Most problems can be solved with the checks below. If the appliance still does not work properly afterwards, disconnect it from the power supply and contact Pure Air Hydration.

Problem	Possible cause	Solution
Water production is very slow	1. The ambient temperature or humidity is outside the working range. 2. The air circulation is poor: the air inlet is blocked or restricted. 3. Something is blocking the air inlet.	1. Pour bottled or tap water into the collection tank until the temperature or humidity is back in the working range. 2. Move the appliance to a place with better air circulation. 3. Remove the obstruction and make sure the appliance is not too close to the wall.
Water production has stopped	1. The power plug is not inserted. 2. The supply voltage is unstable. 3. Water production stopped for a while and then started again. 4. The ambient temperature or humidity is outside the working range.	1. Insert the plug properly. 2. Install a voltage regulator. 3. This is normal: after a stop, the compressor waits 3 minutes before it starts again, to protect itself. 4. The compressor does not run below 5 °C, above 32 °C, or when the humidity is below 35 %.
No water comes out	1. The tank level indicator is at its lowest and flashing. 2. The drinking water tank is being flushed by the recirculation cycle.	1. Wait until the water level in the tank has risen. 2. Wait one minute after the power supply has been reconnected.
Loud noise	1. The appliance is not level, so its feet do not carry the weight evenly.	1. Place the appliance on a firm, level surface.
The appliance leaks water	1. The appliance was moved, or it is not level, and water has spilled from the tank.	1. Dry the appliance. If it keeps leaking, unplug it and contact Pure Air Hydration.

Fault codes

When the fault indicator flashes, the display shows one of the following codes. Note the code and contact Pure Air Hydration. Do not dismantle or repair the appliance yourself.



EA

Temperature and humidity sensor
Open circuit or short circuit



E1

Condenser temperature sensor
Abnormal resistance value (overcooling or overheating)



E2

Condenser temperature sensor
Open circuit



E3

Condenser temperature sensor
Short circuit



E4

Cold water temperature sensor
Abnormal resistance value (overcooling or overheating)



E5

Cold water temperature sensor
Open circuit



E6

Cold water temperature sensor
Short circuit



E7

Defrost fault
The appliance entered defrost mode twice in a row although the temperature is above 25 °C and the humidity above 35 %



E8

Collection tank level switch
Both the high-level and the low-level signals are missing



E9

Drinking water tank level switch
The high-level signal is on while the low-level signal is off

11 Technical specifications

Production

Rated water production	10 L per day (at 30 °C and 80 % RH)
------------------------	-------------------------------------

Working temperature	5 °C to 32 °C
---------------------	---------------

Working humidity	35 % to 90 % RH
------------------	-----------------

Drinking water temperature	10 °C to 14 °C
----------------------------	----------------

Dispensing flow rate	up to 1.2 L per minute
----------------------	------------------------

Collection tank	3.5 litres
-----------------	------------

Drinking water tank	1.5 litres
---------------------	------------

Water treatment

Air filtration	Medium-efficiency composite filter
----------------	------------------------------------

Water filtration	PAC + UF + CB
------------------	---------------

Sterilisation	UV-C
---------------	------

Electrical

Power supply	220 V, 50 Hz
--------------	--------------

Working voltage	187 V to 242 V
-----------------	----------------

Rated power, water production	230 W
-------------------------------	-------

Rated total power	245 W
-------------------	-------

Compressor	Piston type
------------	-------------

Refrigerant	R134a, 80 g
-------------	-------------

Dimensions

Appliance (W × D × H, without spout)	260 mm × 368 mm × 445 mm
--------------------------------------	--------------------------

Package (W × D × H)	324 mm × 483 mm × 533 mm
---------------------	--------------------------



Pure Air Hydration

Water made from air. Nothing shipped, nothing plumbed,
nothing wasted.

SUPPORT

www.pureairhydration.com

info@pureairhydration.com

+66 95 684 8650