



ATMOSPHERIC WATER GENERATOR

PureAir20

User Manual

Model LT-AWG20G

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	Precautions
5	How the appliance works
6	Performance
7	Components and functions
8	Parts of the appliance
9	Control panel
10	First use
11	Dispensing water
12	Replacing the filters
13	Flushing, cleaning and disinfection
14	Connecting an additional water source
15	Complete draining
16	Troubleshooting
17	Solving other problems
18	Technical specifications

1 Safety information

Intended use

This appliance is intended for household use and for similar applications (IEC 60335-2-15), such as:

- staff kitchen areas in shops, offices and other working environments
- farmhouses
- hotels, motels and other residential environments, by guests
- bed-and-breakfast accommodation

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. Cleaning and user maintenance must not be carried out by children without supervision.

Do not store explosive substances, such as aerosol cans with a flammable propellant, in this appliance.

BEFORE YOU SWITCH THE APPLIANCE ON

- Keep the appliance upright for 24 hours before you connect it to a power supply.
- When a new appliance is used for the first time, it supplies clean drinking water only after it has completed a full production cycle (see section 11, Dispensing water).
- Replace the filters on schedule. Filters that are past their service life reduce water quality.

2 Introduction

Congratulations on your purchase of an atmospheric water generator (AWG), which produces clean drinking water from the air. No installation and no water supply are required: plug the appliance in and follow the instructions in this manual. Once it is switched on, the appliance produces, filters and stores chilled and hot water, up to 20 litres per day depending on ambient temperature and humidity. It is easy to use and environmentally friendly: it cleans the ambient air, is healthy, and does not deplete increasingly scarce groundwater reserves. If you pass the appliance on to a third party, hand this manual over with it.

Copyright

This documentation is protected by copyright. Any reproduction, reprint or partial use, and any reproduction of the images, even in an altered state, requires the written consent of Pure Air Hydration.

Limitation of liability

All technical information, data, wiring and operating instructions in this manual correspond to the latest version at the time of printing and have been compiled to the best of our knowledge and experience. 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.

Field of application

The appliance is designed exclusively to produce water from air at a minimum of 15 °C and 20 % relative humidity. It may be used indoors only. Any other use is not permitted and can lead to injury or damage. Pure Air Hydration is not liable for damage caused by improper use; the risk is borne solely by the user.

3 Electrical safety

1. The socket outlet must have a reliable and correct earth connection.
2. Do not disconnect the plug from the power cord.
3. Do not use an extension lead or a power adapter.
4. Do not use a damaged power cord or plug.
5. Always switch the appliance off and unplug it before servicing.
6. Do not plug in or unplug the appliance with wet hands.
7. Do not share the socket outlet with other appliances.
8. Use only the replacement parts and consumables supplied by Pure Air Hydration.
9. Improper handling may void the warranty.
10. Unplug the appliance and empty the water from all tanks before you move it.
11. Do not tilt the appliance by more than 20° while you move it. If it is tilted further, stand it upright for at least 24 hours before you reconnect it.
12. The supply voltage must not fall more than 10 % below the rated voltage. A low voltage causes increased noise and overheating; if this happens, disconnect the appliance from the mains until the voltage returns to normal.
13. Hot water is heated to 82 °C. Avoid contact with the skin to prevent scalding.
14. Caution, UV light source: disconnect the appliance from the power supply before you open the cover of a UV lamp.
15. Avoid prolonged eye contact with the ultraviolet LED UV lamp.
16. Caution: to avoid the risk of fire or electric shock, use the appliance indoors only.
17. Install the appliance away from toxic gases and aggressive liquids.

Electrical connection

Connect the appliance to a mains supply that complies with current standards for supplies fitted with static circuit breakers. In damp locations, the appliance must be protected by a residual current circuit breaker suitable for such areas, provided by the purchaser.

4 Precautions

1. Do not install or use the appliance where there is a risk of explosion.

2. Do not install or use the appliance in air that contains oil, sulphur, chlorine or salt.
3. The appliance is not intended for outdoor use. Keep it away from outdoor areas.
4. Do not wash the appliance with a jet of water.
5. Do not place objects on the appliance.
6. Do not cover the air intake or the air outlet.
7. Do not insert objects into the appliance.
8. Do not cover or move the appliance while it is switched on.
9. Operate the appliance in an upright, vertical position.
10. Secure all electrical cables against damage, for example against pets.
11. Check that the mains socket meets the requirements for power, cable length and destination country.
12. Young children must not use the appliance without adult supervision.
13. Position the appliance where it cannot injure people by hitting them, and where water cannot spill into the lower tank and cause an E7 error (see section 16, Troubleshooting).
14. The appliance may be operated only in an upright position, and must be drained completely before every move (see section 15, Complete draining).
15. Follow this manual when the appliance is serviced.
16. Do not use the appliance for any purpose other than the one described in this manual.
17. If these instructions are not observed, Pure Air Hydration is not liable for damage and the warranty cannot be claimed.

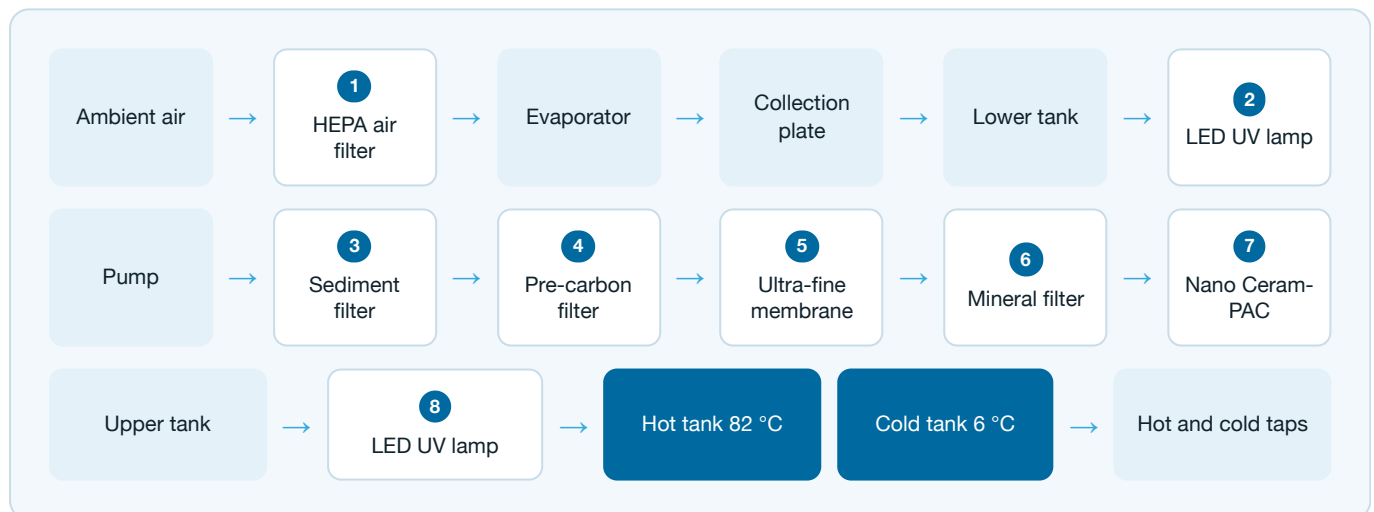
5 How the appliance works

The appliance uses an eight-stage filtration process to produce clean drinking water from the air. Air is drawn in through the HEPA air filter ①, which prevents micro-particles and dust from entering the appliance. The cleaned air and the water vapour it carries then meet the evaporator, where the vapour freezes onto the coils. The refrigeration cycle then reverses: the compressor warms the coils and the ice condenses into water, which drips onto the stainless-steel collection plate and flows into the lower stainless-steel tank, where the LED UV lamp ② kills bacteria and micro-organisms.

A high-tech pump then pushes the water through the water filters. The sediment filter ③ removes dirt and particles larger than 5 microns. The pre-carbon filter ④ with coconut-shell carbon absorbs hazardous organic substances such as chlorine, pesticides and some volatile organic compounds. The ultra-fine membrane filter ⑤ removes particles, plastics and particles smaller than 0.01 micron. The mineral filter ⑥ adds minerals that are beneficial to the human body: calcium, potassium, magnesium and sodium. The Nano Ceram-PAC filter ⑦ provides a further sterilisation stage.

The water is then pumped into the upper stainless-steel tank, which is fitted with a second LED UV lamp ⑧, so that no bacteria or micro-organisms remain in the water. Two stainless-steel tanks sit below the upper tank: one heats the purified water to 82 °C, the other cools it to 6 °C.

Water path through the appliance



ADDITIONAL WATER SOURCE

The appliance can be connected to an additional water source, so that clean drinking water is available in all conditions, including periods of low humidity. This connection is not required for normal operation. Water from an external source is filtered by the filters in the appliance and is therefore cleaned even if the external source is not clean. Suitable sources are a mains water supply, a drain valve or a separate water tank. The appliance switches over automatically when the water in the tank falls below the level required, or when the relative humidity is below the operating range.

6 Performance

The actual performance of the appliance follows physical laws: it depends on the relative humidity and the ambient temperature. Relative humidity (RH) is ubiquitous and penetrates all porous materials. In general, the higher the relative

humidity and the ambient temperature, the higher the amount of water produced. Water production for this product line is determined according to the table below.

Table 1 · Water production per day (litres)

Temperature \ Humidity	25%	30%	40%	50%	60%	70%	80%	90%
15 °C	1.75	1.87	2.56	3.50	4.50	6.40	7.00	9.10
20 °C	2.85	3.04	4.16	5.70	6.40	7.90	9.01	12.43
25 °C	3.60	3.85	5.27	7.20	9.10	12.80	15.30	18.82
30 °C	4.60	4.92	6.74	9.20	12.60	17.70	20.00	25.20

These figures are estimated 24-hour production values, generally derived from the Mollier or psychrometric chart. The appliance can produce up to 20 litres of pure water per day. Its efficiency varies with the level of relative humidity and the ambient air temperature: the most efficient output is reached above 80 % RH and 30 °C. At lower levels it still produces clean drinking water, in smaller amounts.

Operating range: relative humidity from 20 % to 99 %, ambient temperature from 15 °C to 45 °C. For optimal, cost-effective and safe use, observe the following conditions.

1. In some places, the best production time is at night, because relative humidity is higher then.
2. Position the appliance at least 30 cm from walls and other structures on all sides, and in the middle of a long wall, for optimum air circulation in the room.
3. It is not necessary to supply fresh air. Choose the location carefully: a lobby, corridor, hall, auditorium, covered terrace, roof, kitchen, dining room, a forced-air heating or cooling zone, or a room with high relative humidity such as a gym or a winter garden. Otherwise the air in the room may become dry and the appliance may run inefficiently.
4. Do not install the appliance next to radiators or heaters.

7 Components and functions

- Microcomputer: controls water production, collection, filtration, storage, heating, cooling and dispensing.
- Electronic sensors: control the LED UV lamps, temperature, water levels, energy efficiency, maintenance, safety and other features.
- Energy-saving sensors: three sensors control the process of making water from the air, for maximum efficiency.
- Hot-water lock: prevents accidental dispensing of hot water.
- Return valve: designed for maximum efficiency and reduced noise.
- Water leak detector: if a leak is detected, the appliance stops and shows error E7 on the control panel (see section 16, Troubleshooting).
- Connection set: a set of water hoses can be connected directly to a tap or a supply pipe, so that the appliance also works as a water purifier that filters and disinfects the supply (see section 14, Connecting an additional water source).
- Power switch: controls the total power supply. The appliance starts when it is switched on and stops when it is switched off.
- Hot-water switch: for hot water, make sure the hot-water switch (red) is in the ON position. It must be on for at least 30 minutes for the water to reach 82 °C.
- Cold-water switch: for cold water, make sure the cold-water switch (black) is in the ON position. It must be on for at least 30 minutes for the water to cool to 6 °C.

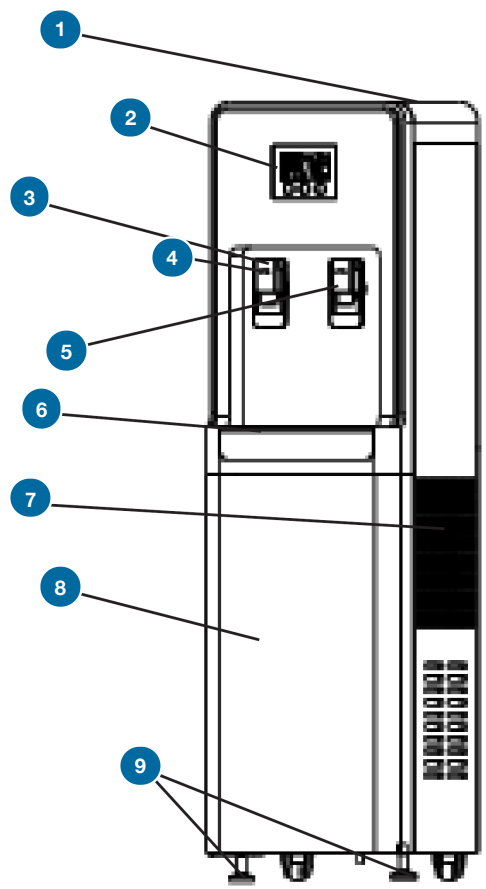
- Water filtration: the filter system draws in air and pushes it through the HEPA filter. The water vapour in the air meets the stainless-steel coils, condenses, and passes through the remaining seven filtration stages, which remove chlorine, fluoride, lead and other harmful ingredients, and produces up to 20 litres of clean drinking water per day.
- Recirculated water: an exclusive technology recirculates the stored water through the internal filters every three hours, so that it always stays fresh and drinkable.
- Overheating protection: switches the appliance off automatically if it overheats.
- Refrigerant leak protection: switches the appliance off automatically if a refrigerant leak is detected.

The eight filtration stages

- 1 HEPA air filter — prevents dust and micro-particles from entering the appliance and cleans the air.
- 2 LED UV lamp — kills bacteria and micro-organisms in the lower tank.
- 3 Sediment filter — removes dirt and particles larger than 5 microns.
- 4 Pre-carbon filter — charcoal and coconut-shell carbon absorb hazardous organic compounds such as chlorine, pesticides and some volatile organic compounds.
- 5 Membrane filter — an ultra-fine filter that removes particles smaller than 0.01 micron.
- 6 Mineral filter — adds minerals that are beneficial to the human body: calcium, potassium, magnesium and sodium.
- 7 Nano Ceram-PAC filter (optional) — a further filtration stage against bacteria in the water pipe.
- 8 LED UV lamp — kills bacteria and remaining micro-organisms in the upper tank.

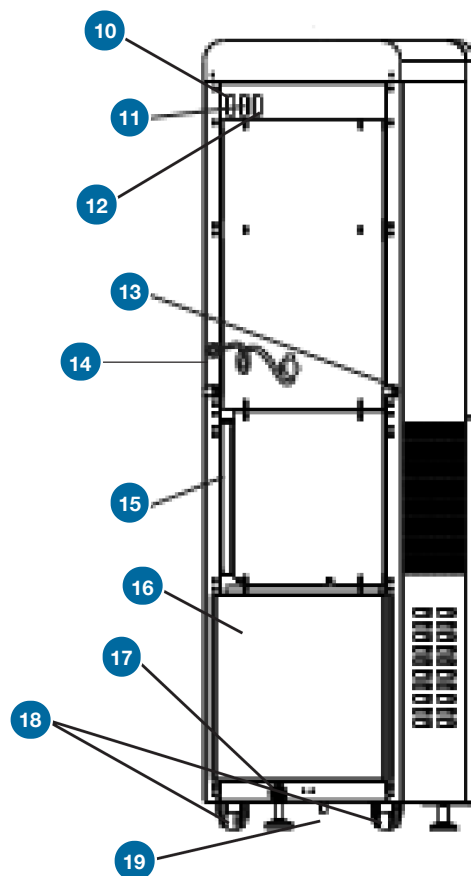
8 Parts of the appliance

Front view



- 1 Top cover
- 2 Display and control panel
- 3 Hot water tap
- 4 Hot-water lock button
- 5 Cold water tap
- 6 Drip tray
- 7 Air inlet
- 8 Front door
- 9 Adjustable feet

Rear view and internal layout

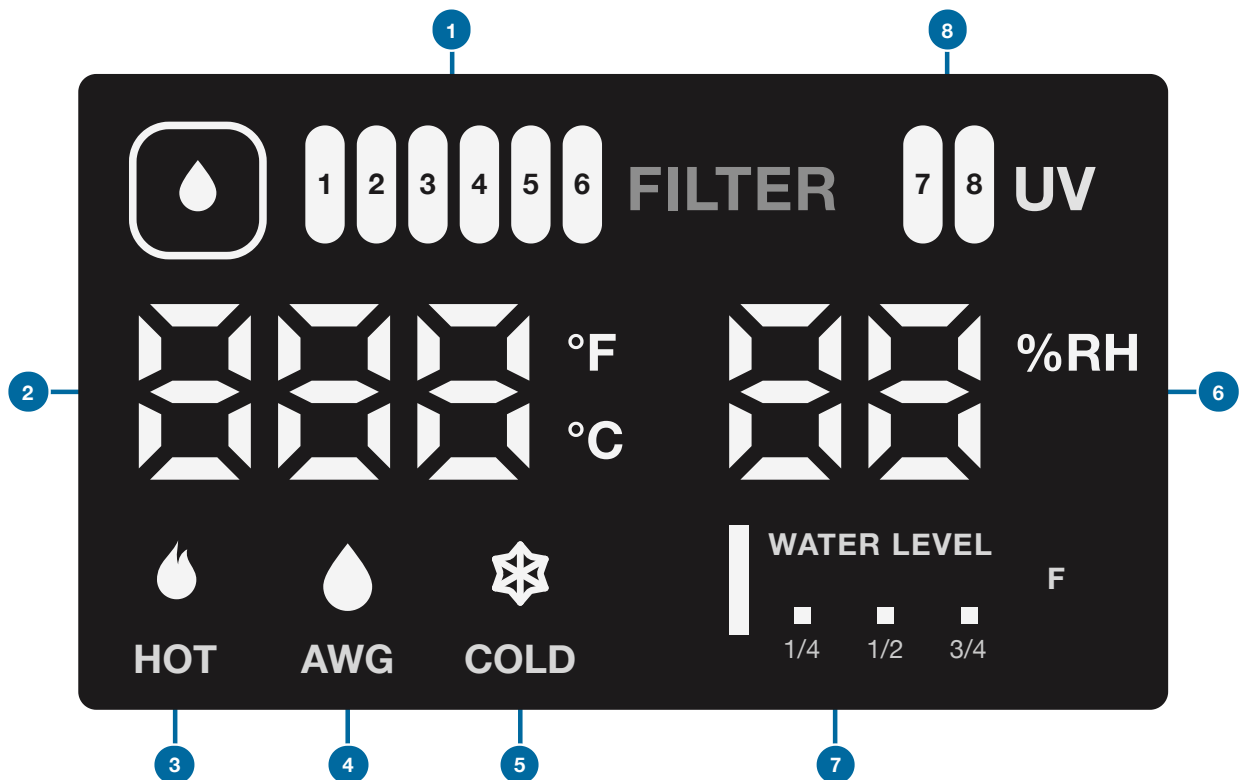


- 10 Power switch (yellow)
- 11 Cooling switch (green)
- 12 Heating switch (red)
- 13 Hot and cold tank drains
- 14 Power cord
- 15 HEPA air filter
- 16 Rear bottom cover
- 17 Additional water inlet
- 18 Wheels
- 19 Bottom outlet

Read this manual carefully before you plug the appliance in. Do not throw the manual away, and keep it close to the appliance.

9 Control panel

Display



- 1 Filter change icon — the icon flashes when a filter element needs attention, and stops flashing once the fault is cleared.
- 2 Ambient temperature — measures the temperature around the appliance, in degrees Celsius (°C) or Fahrenheit (°F).
- 3 Hot water icon — flashes while the water inside the tank heats up, and stays lit once the water has reached 82 °C.
- 4 Water production icon (AWG) — stays lit while the appliance runs and produces water.
- 5 Cold water icon — flashes while the water inside the tank cools down, and stays lit once the water is cold.
- 6 Relative humidity icon — shows the relative humidity of the surrounding air as a percentage. The appliance generates clean drinking water from 20 % humidity.
- 7 Water level icon — shows the amount of water in the upper stainless-steel tank in litres. The scale has four sections, 1/4 of the total being 12 litres of the upper tank. The appliance continues production after the tank bottom is filled; when a division disappears, the appliance fills the tank again.
- 8 UV replacement icon — the icon flashes when a LED UV lamp needs to be replaced.

Buttons



Select button (▲)



Set the keys (SET)



Confirm button (OK)

The three buttons are used to reset the flashing filter warning (see section 12, Replacing the filters).

10 First use

1. Unpack the cardboard box, remove the polystyrene cover and remove the foil packaging. Keep the packaging in case of a warranty claim.
2. After unpacking, wait at least 24 hours before you plug the appliance into the socket. Failure to do so may damage the compressor.
3. Make sure the appliance is not damaged or battered.
4. The appliance must be located indoors, vertically and on a level floor.
5. The appliance stands on wheels at the lower rear side for easy handling.
6. Place the appliance at least 30 cm from walls and other structures on all sides, for good air circulation (see section 6, Performance).
7. Before you connect the appliance, check that all filters are tight (Figures 3 to 5).
8. Connect the appliance to an electrical outlet that is protected by a circuit breaker of at least 10 A.
9. We recommend flushing the appliance after a prolonged shutdown (see section 13, Flushing, cleaning and disinfection).
10. We recommend connecting an additional water source (see section 14).
11. Remove the plastic film from the control panel display.
12. The appliance is now ready for use.

11 Dispensing water

1. The appliance dispenses clean drinking water only after the initial irrigation, that is after the filters have been irrigated and the upper tank has been filled to 1/4 of its capacity, which corresponds to approximately 12 litres of water. This quantity is the minimum needed to ensure correct water recirculation under the given production conditions (see Table 1).

2. The heating and cooling switches must be on for at least 30 minutes to bring the water to the required temperatures of 6 °C (cold) and 82 °C (hot).
3. Clean drinking water flows from the dispensing nozzle of the appliance.
4. Hold a glass or another container under the dispensing nozzle, or stand it on the drip tray.
5. To draw hot water, press the anti-scald button on the hot tap and push the handle of the hot tap with the cup.
6. To draw cold water, push the handle of the cold tap.
7. Hot and cold water are available only when the heating and cooling switches on the back of the appliance are in the ON position.

12 Replacing the filters

The appliance produces clean drinking water from the air by passing the water through the filtration system. Follow the recommended filter change schedule to ensure the best water quality. The filter connectors are fitted with non-return valves. The appliance detects when a filter is due for replacement and displays the filter number ① to ⑧ on the display. The table below shows the recommended replacement schedule and the number of filters in the appliance.

Table 2 · Filter replacement schedule

1. Air filter	every 12 months*
2. Lower tank UV lamp	every 18 months
3. Sediment filter	every 6 months
4. Pre-carbon filter	every 6 months
5. Ultra-fine membrane filter	every 12 months
6. Mineral filter (optional)	every 6 months
7. Nano Ceram-PAC filter (optional)	every 6 months
8. Upper tank UV lamp	every 18 months

* Replacement depends on how dirty the filter is, and on filter failure.

RESETTING THE FLASHING FILTER WARNING

Press the SET button for 3 seconds, then press the Select button to select the icon of the flashing filter element. Once it is selected, press OK to clear the stored service time of the current filter element. The appliance then starts to count the life of the newly replaced filter element.

Cleaning the HEPA air filter ①

1. Unplug the appliance (Figure 1).
2. Pull the air filter out (Figure 2) and clean the dust from its surface with tap water or with air, then put it back into the appliance after cleaning.
3. Reset the flashing filter warning for filter no. 1 (see Resetting the flashing filter warning).

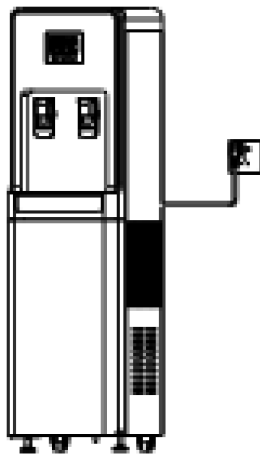


Figure 1 · Disconnect the appliance from the socket

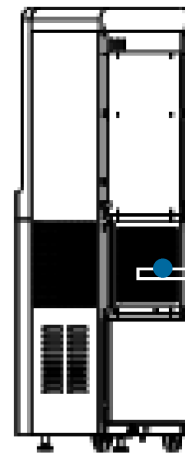


Figure 2 · Pull out the air filter

Replacing the water filters ② to ⑥

1. Unplug the appliance (Figure 1).
2. Open the front door on the right side of the appliance (Figure 3).
3. Remove the filter by turning it anticlockwise, following the arrows on the filter, and pulling it downwards (Figure 4).
4. Keep in mind that the filters contain water, and that removing them may cause a slight leak of water. This is normal.
5. Insert the new filter in place of the original one: press it upwards and turn it clockwise to fasten it (Figure 5).
6. Make sure the filter is properly tightened around the whole perimeter of the connection point.
7. Close the front door.
8. Reset the flashing filter warning for filters no. 2 to 6.

If you are replacing several filters, change them one at a time.

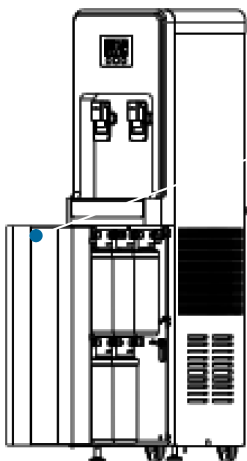


Figure 3 · Open the front door on the right side, not on this side

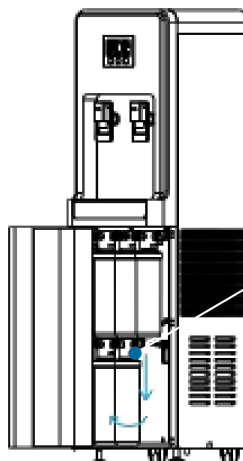


Figure 4 · Remove the filter by turning and sliding it, following the arrows on the filter

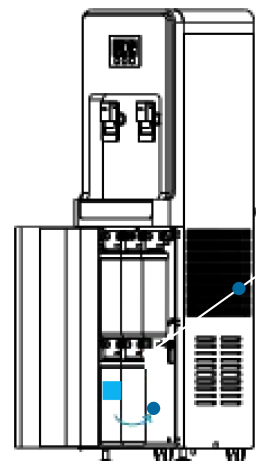


Figure 5 · Attach the filter by plugging it in and turning it, following the arrows on the filter

Replacing the LED UV lamp ⑦ in the lower tank

1. Unplug the appliance from the wall socket (Figure 1).
2. Using a screwdriver, or by hand, remove both screws from the back cover (Figure 6).
3. Grasp the handle of the lower tank and pull it slowly towards you. Do not disconnect the tubing and the connectors. Pour the remaining water out of the tank by tilting it (Figure 7).
4. Loosen the nut of the LED UV lamp from the underside with an adjustable spanner, disconnect the lamp connector and remove the old LED UV lamp (Figure 8).
5. Put the new LED UV lamp back into the tank and screw it in with the adjustable spanner.
6. Check the connection of the new LED UV lamp connector and its gasket. To test for leaks, pour the water from the container back into the lower tank, then insert the tank carefully and fasten the screws of the rear lower cover.
7. Reset the flashing filter warning for lamp no. 7.

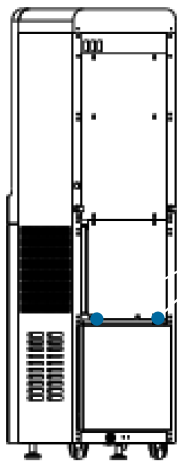


Figure 6 · Unscrew the screws of the rear cover

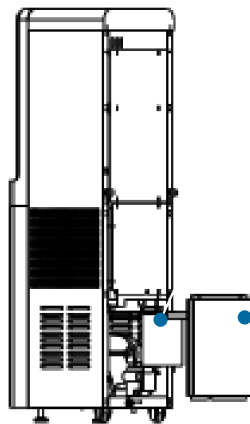


Figure 7 · Loosen the rear cover and pull out the bottom tank

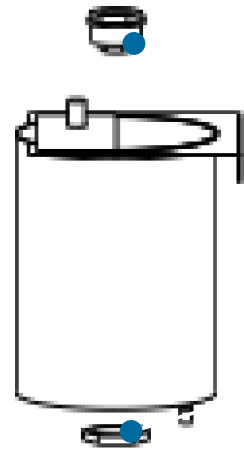


Figure 8 · Loosen the nut and replace the LED UV lamp

Replacing the LED UV lamp ⑧ in the upper tank

1. Unplug the appliance from the wall socket (Figure 1).
2. Open the drain valve of the cold and hot water tanks and empty the water stored in the water tank (Figure 9).
3. Loosen the screws with a screwdriver and remove the cover and the rear baffle (Figure 10).
4. Lift the lid of the tank up (Figure 11).
5. Loosen the nut of the LED UV lamp from the underside with an adjustable spanner, disconnect the lamp connector and remove the old LED UV lamp (Figure 12).
6. Put the new LED UV lamp back into the tank and screw it in with the adjustable spanner.
7. Check the connection of the new LED UV lamp connector and its gasket. To test for leaks, pour the water from the container back into the tank, then insert it carefully and fasten the screws of the rear cover.
8. Reset the flashing filter warning for lamp no. 8.
9. For personal safety, have this replacement carried out by a professional.

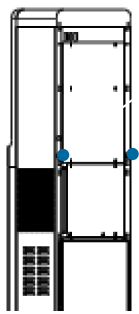


Figure 9 ·
Drain the
water from the
upper tanks

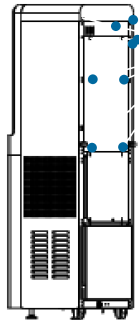


Figure 10 ·
Unscrew the
screws of the
rear cover and
remove the
baffle

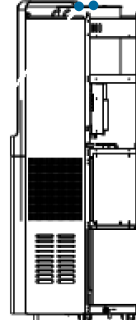


Figure 11 ·
Open the lid
of the tank

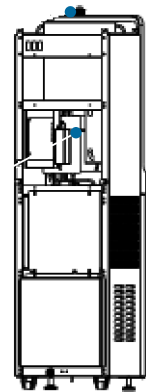


Figure 12 ·
Remove the
LED UV lamp
and replace it
with a new
one

13 Flushing, cleaning and disinfection

- Always wipe the appliance with a clean, soft, damp cloth.
- Use chemical cleaning agents to clean the stainless-steel tanks.
- If the appliance is switched off for more than two days, drain the water from all tanks and filters, then rinse the appliance before using it again.
- If the appliance is switched off for longer than one week, replace the water filters and disinfect the appliance.

Flushing the appliance

1. This step requires 10 litres of purified or distilled water.
2. If the appliance is connected to an additional water supply, turn the pressure valve lever to the CLOSED position and follow the next steps. Otherwise leave the lever in the OPEN position.
3. Turn the valve to the OPEN position and let the water flow automatically into the tank; the water level indicator icon will show one division. Then turn the valve to the CLOSED position and continue, ending with step h.
4. Using a screwdriver, remove both screws from the back cover (Figure 6). Grasp the handle of the lower tank and pull it slowly towards you. Do not disconnect the tubing and the connectors. Pour the remaining water out of the tank by tilting it (Figure 7).
5. Slowly fill the lower tank with clean or distilled water.
6. Let the pump drain the water from the lower tank, then refill it. Repeat this step with up to 10 litres of distilled or purified water.
7. Insert the tank carefully and fasten the bolts of the rear lower cover.
8. Allow the appliance to perform a water recirculation cycle, which may take up to three hours.
9. The appliance is ready for use again.

Cleaning the lower tank

1. Disconnect the appliance from the power supply (Figure 1).

2. Using a screwdriver, or by hand, remove the two screws from the rear cover (Figure 6).
3. Grasp the handle of the lower tank and pull it slowly towards you. Disconnect the tubing and the connectors and pour the remaining water out of the tank by tilting it (Figure 7).
4. Wipe the walls of the tank with a clean, soft, damp cloth.
5. Gently push the lower tank back in and fasten the bolts of the rear cover. If required, reset the flashing filter warning for lamp no. 7.

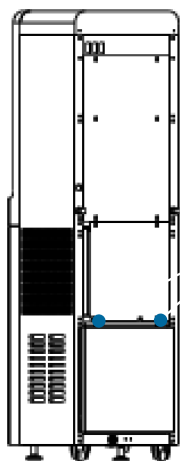


Figure 6 · Unscrew the screws of the rear cover

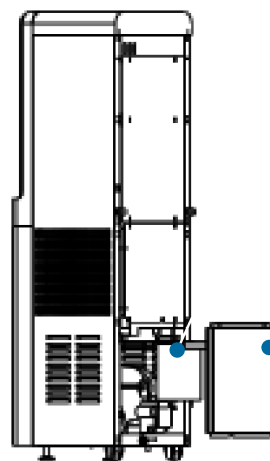


Figure 7 · Loosen the rear cover and pull out the bottom tank

Disinfecting the appliance

1. Plug the appliance in and make sure the water heating switch is in the ON position and the water cooling switch is in the OFF position.
2. Using a screwdriver, remove both screws from the rear plate (Figure 6).
3. Grasp the handle of the lower tank and pull it halfway towards you. Do not disconnect the tubing and the connectors (Figure 7).
4. Prepare a disinfectant solution in the proportion of 200 g of hydrogen peroxide to 4 litres of water, and pour the solution into the lower tank until the tank is completely full.
5. Wait until the solution has been pumped from the lower tank to the upper tank, then refill the prepared solution until the appliance is completely drained. Then fasten the screws of the rear lower cover.
6. Drain 500 ml of warm water and discard it.
7. Leave the remaining solution in the upper tank for at least three hours.
8. After the disinfection time, drain all water tanks, discard the water and drain the water filters.
9. We recommend flushing the appliance before you use it again (see Flushing the appliance).

14 Connecting an additional water source

Set contents: pressure hose, blue, 4.5 m; pressure valve 1/2".

1. Remove the plug from the additional water supply at the back of the appliance by pushing the grey O-ring apart. If this plug is missing, contact the supplier.
2. Install the pressure valve into a 1/2" water supply outlet using PTFE thread tape. In some countries this step may require a licensed plumber. The maximum permissible pressure in the pipeline is 4 bar.

3. The connection for the valve may vary from one installation to another, and may be of a size other than 1/2". If so, use a brass adapter (not included). Insert the supplied pressure hose into the inlet of the additional water supply and attach the other end of the hose by tightening the nut to the pressure valve.
4. Turn the pressure valve lever to the OPEN position and check the joints for leaks.
5. The appliance is now ready to take water from the additional water source. If you do not need to draw water from the additional water supply, turn the pressure valve lever to the CLOSED position and disconnect the hose from the additional water supply inlet at the back of the appliance.

15 Complete draining

1. If the appliance is connected to an optional water source, rotate the pressure lever on the valve to the CLOSED position and disconnect the tubing from the supply of the additional water source on the rear side, at the bottom of the appliance.
2. Turn the heating and cooling switches to the OFF position.
3. Dispense the hot water using the hot-water button.
4. Dispense the cold water using the cold-water button.
5. Remove the appliance from the wall (Figure 1).
6. Hold a vessel under the water tank outlet.
7. Remove the plastic cap and the rubber stopper and empty the tank completely. The water that flows out can be used for consumption; if it is not to be drunk, dispose of it (Figure 13).
8. Hold the vessel under the cold water drain and repeat the previous step.
9. Replace the rubber stopper and screw the plastic caps back onto each outlet.
10. Open the front door on the right-hand side and gradually remove the filters by turning them anticlockwise, following the arrows on the filter, and pulling them downwards (Figure 4). Keep in mind that the filters are filled with water. After removing the filters, close the front panel; a small water leak is normal.
11. Using a screwdriver, or by hand, remove the two screws from the back cover, hold the handle of the tank at the bottom and pull it slowly towards you. Disconnect the tubing and the connectors and pour the remaining water out of the tank by tilting it (Figure 7).
12. Gently push the lower tank back in and fasten the bolts of the rear cover.

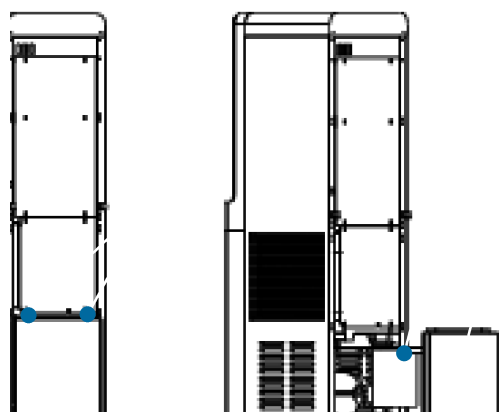


Figure 13 · Drain the tanks completely and refit the caps

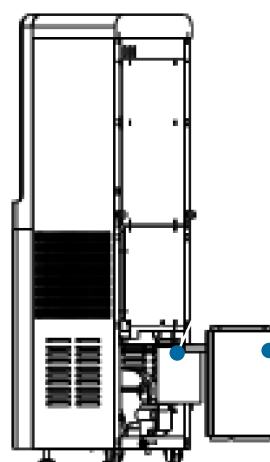
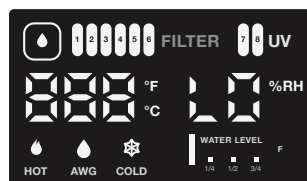


Figure 7 · Loosen the rear cover and pull out the bottom tank

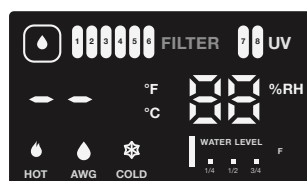
16 Troubleshooting

The display shows the following codes when the appliance detects a fault.



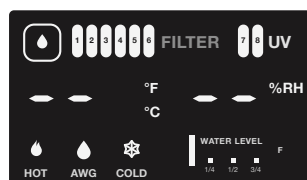
LO

Low humidity around the appliance (working range 20 % and above)



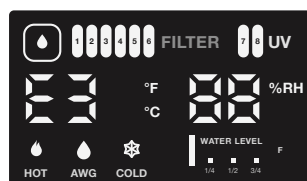
--

Temperature sensor error



--

Temperature and humidity sensor error



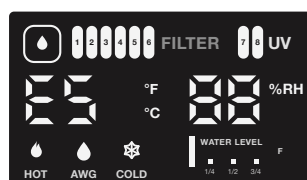
E3

Defrost sensor error



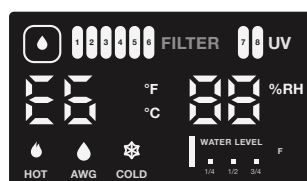
E4

Hot water sensor error



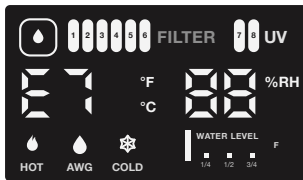
E5

Cold water sensor error



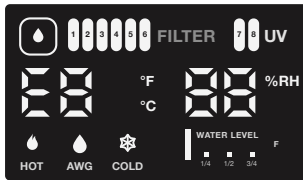
E6

Cooling system error: low-pressure protection, possible refrigerant leak



E7

Possible water leak



E8

Waterway jam

17 Solving other problems

The appliance has been tested many times to ensure a quality service. Problems may nevertheless arise. In that case, use the following checklist.

The appliance does not switch on

- Check that the appliance is connected to the power supply.
- Check that the plug is not damaged.

The appliance switches on but does not generate water

- Check the room temperature. The operating temperature range of the appliance is 15 °C to 45 °C.
- Check the humidity. The minimum relative humidity is 20 %.
- Check the air filter for contamination and replace it as necessary.
- Check the heat exchanger fins for contamination. The appliance must be disassembled for this inspection, which may be carried out only by an authorised service centre.

The appliance is noisy, vibrates or seeps water

- Check that the appliance is in a vertical position on a flat surface.
- Check that the internal condensate collector and the adapter are clean. The appliance must be disassembled for this inspection, which may be carried out only by an authorised service centre.

If the appliance still does not operate properly after these steps, contact an authorised service centre. Only trained personnel may carry out work related to the cooling and electrical systems.

Disconnect the appliance from the power supply before you carry out any service or maintenance work.

18 Technical specifications

Dimensions

Dimensions	375 mm (D) × 307 mm (W) × 1154 mm (H)
------------	---------------------------------------

Electrical

Power supply	220 V, 50 Hz · 115 V, 60 Hz · 100 V, 50–60 Hz
--------------	---

Power input	970 W
-------------	-------

Heating	500 W
---------	-------

Water generation	470 W
------------------	-------

Production data

Working temperature	15 °C – 38 °C
---------------------	---------------

Working humidity	20 % – 95 %
------------------	-------------

Water storage capacity	20 litres
------------------------	-----------

Hot water temperature	82 °C
-----------------------	-------

Cold water temperature	6 °C
------------------------	------



Pure Air Hydration

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

SUPPORT

www.pureairhydration.com

info@pureairhydration.com

+66 95 684 8650