



# LifeWell

WATER FOR A LIFE WELL LIVED

Model: LW-S20-AWGEN

## ATMOSPHERIC WATER GENERATOR

The LifeWell Atmospheric Water Generator is an innovative solution designed to provide clean, high-quality drinking water by extracting moisture from the air. With advanced filtration and UV sterilization systems, it ensures safe, healthy water free from harmful contaminants like fluoride and arsenic. This eco-friendly technology reduces reliance on traditional water purification methods, lowering the need for chemicals and plastic bottles. Suitable for a range of environments, including residential, commercial, and industrial settings, the generator offers a sustainable and efficient source of fresh drinking water, even in areas with limited water supply.



USER INSTRUCTION MANUAL



Model: LW-S20-AWGEN

## Key Features

- **Premium Materials:** Constructed from high-quality food-grade materials for safety and durability.
- **Ultraviolet Sterilization:** Advanced UV system to kill bacteria and viruses.
- **Microprocessor Control:** Seamless automatic operation with microprocessor technology.
- **Protection Alarms:** Integrated alarms to monitor and alert for faults.

## Standards Compliance

- **Quality Assurance:** Manufactured according to QBT5629-2021 and GB5749-2022 for high water quality and safety.

## Advanced Technology

- **High-Tech Water Production:** Converts atmospheric moisture into clean, safe drinking water.

## Versatile Applications

- **Wide-Ranging Use:** Ideal for residential, commercial, industrial, hospitality, medical, and marine environments.

## Operational Conditions

- **Effective Performance:** Functions optimally in temperatures of 5°C to 32°C and humidity levels of 35% to 90%, with increased efficiency in higher humidity.

## Advantages



### Purity

Produces drinking water of the highest filtration quality.



### Cold or Ambient

Water dispenser



### Effortless Installation

Anytime, Anywhere.



### Effortless transportation

With trucks available wherever needed



### Ready-to-use solution

Requiring only an electrical connection.



### Adheres to all applicable standards

Set by the World Health Organization (WHO), Environmental Protection Agency (EPA), and the American Society of Safety Engineers (ASSE).





## WARNING

01

### DAMAGED SUPPLY CORD

If the supply cord is damaged, it must be replaced with a special cord or assembly provided by the manufacturer or an authorized service agent.

02

### INTENDED USER RESTRICTIONS

This appliance is not intended for use by individuals (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they are supervised or instructed by a responsible person to ensure safe usage.

03

### USE BY CHILDREN AND VULNERABLE INDIVIDUALS

Children aged 8 and above, as well as individuals with reduced physical, sensory, or mental capabilities, or those lacking experience, may use the appliance only if they have been properly supervised or instructed on its safe operation and understand the potential risks involved



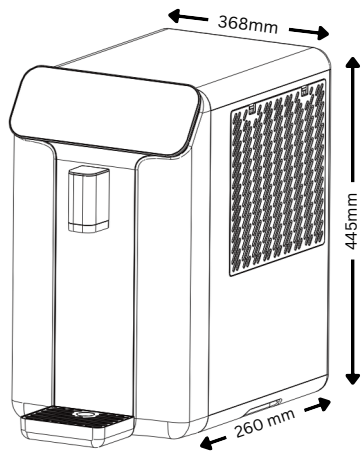
## SAFETY PRECAUTIONS

- Do not attempt to repair the machine or power cable yourself; contact your local dealer for service.
- Only connect the unit to the specified power supply and avoid pulling or damaging the power cable.
- Never handle the power plug with wet hands to avoid electric shock.
- Use the machine only in environments below Class III air pollution and keep the power cable out of children's reach.
- Disconnect the power supply during thunderstorms, before cleaning, or performing maintenance.
- Avoid using multiple connections for the power supply; ensure the outlet has a ground wire and a capacity of at least 10A.
- Do not use the machine in volatile, corrosive, or flammable environments.
- If you notice unusual sounds, smells, temperatures, or leaks, disconnect the power and contact your local dealer.
- Do not place objects on top of the unit and keep it upright.
- Keep flammable objects at least 15 inches (40 cm) away from the back of the machine due to hot exhaust air.
- Drain the water tank before moving the machine to prevent spills.
- Place the unit in an optimal location to extend the air filter's lifespan.
- Operate the machine in temperatures above freezing and never remove the back cover.
- Children must be supervised when using the machine.



| Specification                           | Details                                                  |
|-----------------------------------------|----------------------------------------------------------|
| Rated water production water production | 10 L/D (30°C/80%RH)                                      |
| Power supply                            | AC 220V 50Hz                                             |
| Working voltage                         | AC 187~242V                                              |
| Compressor type                         | Piston type                                              |
| Rated power of water production         | 230W                                                     |
| Rated total power                       | 245W                                                     |
| Refrigerant work substance              | R134a                                                    |
| Refrigerant filling volume              | 80g                                                      |
| Water temperature                       | 10-14°C                                                  |
| Discharge flow rate                     | (MAX) 1.2L/M                                             |
| Applicable environmental range          | Temperature: 5-32°C,<br>Humidity: 35-90%RH               |
| Air filtration system                   | Medium efficiency composite filter                       |
| Water Purification System               | PAC+UF+CB                                                |
| Germicidal system                       | UVC                                                      |
| Water tank volume                       | Water collection tank: 3.5L<br>Drinking water tank: 1.5L |
| Product Size (without spout)            | 260mm×368mm×445mm                                        |
| Package size                            | 324mm×483mm×533mm                                        |

Dimension & Accessories Details

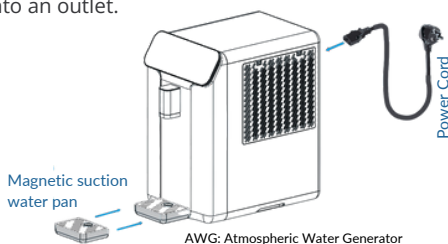


| Description       | Accessories                                                                         | Description                                                                                                    | Accessories                                                                         |
|-------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Water Pan         |  | Air Filter                                                                                                     |  |
| Power Cord        |  | Water Filters                                                                                                  |  |
| Instruction Guide |  | Note: Both the air filter and the water purification cartridge element have been installed inside the machine. |                                                                                     |

Before installing, please check whether the accessories are complete according to the following list of accessories. If there is any missing, please contact your seller.

## Product Installation Guide

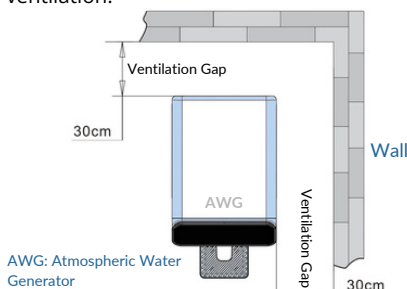
- **Placement:** Position the machine in the designated area according to the requirements. Let it rest in this position for **4 hours** before connecting it to the power supply.
- **Power Connection:** After waiting **4 hours**, retrieve the power cord and connect it to the unit, then plug it into an outlet.



- **Water Pan Installation:** Remove the magnetic suction water pan and attach it directly below the water outlet.

## Installation Instructions

- ✓ Ensure the machine is placed on a stable, flat surface.
- ✗ Do not install the unit at an angle, as this can cause excessive noise during operation.
- ✓ Leave at least **12 inches (30 cm)** of space between the unit and nearby walls to ensure proper cooling and ventilation.



- ✓ Allow the machine to remain in its final position for **4 hours** before turning it on.

## First Use Recommendations

### • Recommendation 1:

If using the unit for the first time or after an extended period of inactivity, drain the first tank of water from the purified water tank. The water produced afterward will be ready for consumption.

### • Recommendation 2:

To expedite the process, you can fill the collection tank with bottled or municipal water (without exceeding the tank's maximum capacity). The filtration and sterilization systems will purify the water, making it safe for drinking.





| Button/Symbol                         | Function                          |
|---------------------------------------|-----------------------------------|
| <b>K1</b> - Water Button              | Controls water dispensing         |
| <b>K2</b> - Switch Button             | Turns the unit on/off             |
| <b>K3</b> - Water Production Button   | Initiates water production        |
| <b>K4</b> - Air Filter Reset Button   | Resets the air filter indicator   |
| <b>K5</b> - Water Filter Reset Button | Resets the water filter indicator |

| Indicator                              | Meaning                                  |
|----------------------------------------|------------------------------------------|
| <b>L1</b> - Water Filter Indicator     | Shows water filter status                |
| <b>L2</b> - Air Filter Indicator       | Shows air filter status                  |
| <b>L3</b> - Water Production Indicator | Indicates active water production        |
| <b>L4</b> - Sterilization Indicator    | Indicates the UV sterilization is active |
| <b>L5</b> - Fault Indicator            | Displays system faults or errors         |
| <b>L6</b> - Ambient Temperature        | Shows current ambient temperature        |
| <b>L7</b> - Purified Water Tank Temp   | Displays water tank temperature          |
| <b>L8</b> - Environmental Humidity     | Shows the current environmental humidity |

## Functions of Control Panel Keys



Touch to turn water making function On and touch again to turn water making function Off.



Touch and hold for dispensing water. Only the purified water tank level reach minimum value, touch this button can dispense water. Need to wait a minute to produce water after re-powering



Flashing indicates water making or refrigeration mode is running. Constantly on indicates machine is ready to make water. Off indicates water making function is Off.



After change water filters, touch this button 2s to turn water filter light to stop flash



After change air filter, touch this button 02 sec to turn air filter light to stop flash.

## Display Function



The water filter indicator lights up, warning the water filter needs to be change.



The air filter indicator lights up, warning the air filter needs to be change.



Water production indicator lights up, shows water making or refrigeration mode is running.



Sterilization indicator lights up shows the sterilization system work.



The fault indicator lights up shows the current equipment fault.



This shows ambient temperature of the room. When the temperature < 5°C, it will flash.



This shows the water level of the purified water tank.



This shows the water temperature of purified water tank.



This shows the ambient humidity in the room. When the humidity < 35%, it will flash.



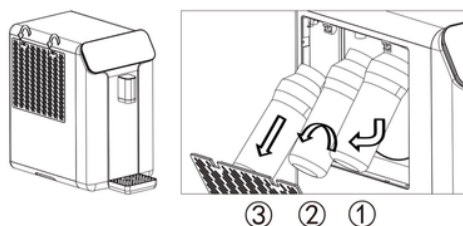
## Air filter replacement

To replace the air filter, press the buttons on both sides of the filter cover, located on the right side of the display. Remove the old filter and insert the new one. After replacement, follow the instructions for resetting the air filter using the reset button.



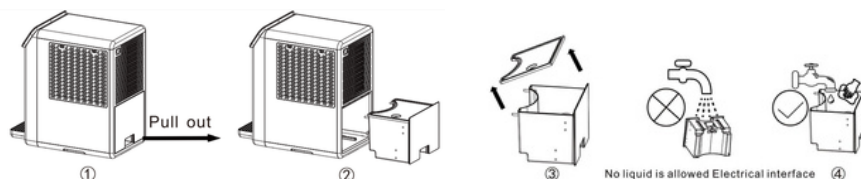
## Water Filter Replacement

- Press the buttons on both sides of the top of the water filter protective cover (located on the left side of the display) to remove it.
- Rotate each filter bottle clockwise to remove the old filters.
- Install the new filters (3, 2, 1) by rotating them counterclockwise.
- After installation, follow the instructions for resetting the filters using the water filter reset button.



## Washing and Cleaning of the Water Tank

When cleaning the water tank, do not use corrosive cleaning agents like alcohol or thinner. Additionally, ensure the UV module at the bottom of the tank is not submerged in any liquid.



## Problems and Their Solutions

| Problem                              | Reasons                                                                                                                                                                                                                                                    | Solutions                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Water production is very slow</b> | <ol style="list-style-type: none"> <li>1. Ambient temperature or humidity is out of the working range.</li> <li>2. Poor air circulation. The air intake is blocked or restricted.</li> <li>3. Air inlet is blocked by objects.</li> </ol>                  | <ol style="list-style-type: none"> <li>1. Use the external water supply until the temperature or humidity is within the working range.</li> <li>2. Place the unit in an area with better air circulation.</li> <li>3. Remove obstructions and ensure the machine is not too close to the wall.</li> </ol>                                                              |
| <b>Water production stopped</b>      | <ol style="list-style-type: none"> <li>1. Power plug is not inserted properly.</li> <li>2. Unsteady voltage.</li> <li>3. Compressor stopped due to a period of inactivity.</li> <li>4. Ambient temperature or humidity is out of working range.</li> </ol> | <ol style="list-style-type: none"> <li>1. Plug in the power supply correctly.</li> <li>2. Install a voltage regulator.</li> <li>3. This is normal. The compressor has a 3-minute thermal protection and will restart automatically.</li> <li>4. The compressor will not run if the temperature is below 5°C or above 32°C, or if the humidity is below 35%.</li> </ol> |
| <b>No water output</b>               | <ol style="list-style-type: none"> <li>1. Low water level light is flashing.</li> <li>2. Purified water tank is in a state of recirculation flushing.</li> </ol>                                                                                           | <ol style="list-style-type: none"> <li>1. Wait until the water level in the water tank increases.</li> <li>2. Wait one minute after reconnecting the power.</li> </ol>                                                                                                                                                                                                 |
| <b>Loud noise</b>                    | The machine is not levelled correctly, causing uneven force distribution on the supporting feet.                                                                                                                                                           | Level the machine to ensure proper support.                                                                                                                                                                                                                                                                                                                            |
| <b>The machine is leaking water</b>  | The machine may have been moved or not levelled correctly, causing the water tank to spill.                                                                                                                                                                | <ol style="list-style-type: none"> <li>1. Dry off the machine.</li> <li>2. If the leak continues, unplug the machine and contact the local service center.</li> </ol>                                                                                                                                                                                                  |

## Fault Code Descriptions

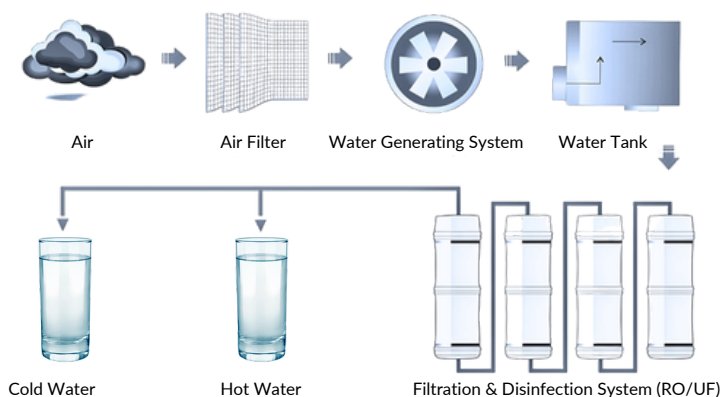
| Fault Message |     | Fault Description                                                                                                |
|---------------|-----|------------------------------------------------------------------------------------------------------------------|
| Fault Code    | E8  | Temperature and humidity sensor are faulty                                                                       |
|               | E1  | Open circuit/short circuit                                                                                       |
|               | E2  | Condenser temperature sensor fault 1                                                                             |
|               | E3  | Abnormal resistance value (overcooling/overheating)                                                              |
|               | E4  | Condenser temperature sensor fault 2                                                                             |
|               | E5  | Open circuit                                                                                                     |
|               | E6  | Condenser temperature sensor fault 3                                                                             |
|               | E7  | Short circuit                                                                                                    |
|               | E8  | Cold water temperature sensor fault 1                                                                            |
|               | E9  | Abnormal resistance value (overcooling/overheating)                                                              |
|               | E10 | Cold water temperature sensor fault 2                                                                            |
|               | E11 | Open circuit                                                                                                     |
|               | E12 | Cold water temperature sensor fault 3                                                                            |
|               | E13 | Short circuit                                                                                                    |
|               | E14 | Defrost abnormal                                                                                                 |
|               | E15 | Under the condition of temperature > 25°C and relative humidity >35%, enter defrost mode for 2 consecutive times |
|               | E16 | Collection water tank level switch fault                                                                         |
|               | E17 | Signal acquisition abnormality (high water level and low water                                                   |
|               | E18 | Signal acquisition abnormality (high water level signal on, low water level signal off)                          |
|               | E19 | Purified water tank level switch fault                                                                           |

**Note:** When the fault light flashes, a fault code will be displayed. If this occurs, please contact your local dealer for service assistance. Do not attempt to disassemble or repair the machine on your own.



## How the System Works

This machine captures moisture from the air and converts it into water, relying on atmospheric humidity for water generation. It works best when humidity is between 70% and 80%, though it can still function at lower humidity levels but at a slower rate. Ideal placement is in areas with higher humidity, like kitchens or near windows. The optimal temperature range for efficient water production is 24°C to 29°C. Since the machine reduces indoor humidity, it's recommended to use it in well-ventilated spaces with good air circulation. The system filters humid air and cools it to the dew point for water extraction.



This condensation process collects water, which is then passed through a multi-stage filtration system before being stored in a tank. To maintain the purity of the water, it is kept cool, circulated, and intermittently exposed to UV light for sterilization, ensuring a constant supply of safe drinking water.

## Extra Advantages:

- Provides an endless supply of clean, sustainable drinking water.
- Produces water at a much lower cost compared to bottled options.
- Free from any added chemicals.
- Removes 99.99% of bacteria.
- No need for lifting or storing heavy water containers.
- Eliminates plastic waste.
- Acts as a dehumidifier for the room.
- Helps purify the air within the room.
- Reduces airborne allergens.

