



RePG AQUA ATMOSPHERIC WATER GENERATOR (AWG)



ABOUT REPG AQUA

Off-Grid Atmospheric Water Generation

RePG Atmospheric Water Generation Systems utilize ambient humidity and temperature to produce off-grid, high-quality drinking and utility water.

They offer critical solutions by ensuring uninterrupted and safe water supply in locations and situations where natural water resources are unavailable, infrastructure is limited, or logistical access is challenging.

Atmospheric Water Generation Systems

It offers an innovative and eco-friendly solution to meet your water needs. By utilizing ambient humidity and heat to produce healthy drinking and utility water, these systems serve as an ideal alternative for villages, towns, hospitals, agricultural and industrial zones, military areas, mobile bases, outposts, temporary deployment sites, and disaster response operations.

Safe, Green, and Off-Grid Solution

Capable of off-grid operation, it provides water without the need for any infrastructure. Its multi-stage filtration technology ensures that the water produced is always safe, healthy, and of the highest quality.

Effective Even at Low Humidity Levels

Capable of generating water from 10°C and 20% humidity onwards, it offers high performance even under harsh field conditions. This ensures uninterrupted access to clean and safe water when and where it is needed most.

Water Production Capacity

With a water production capacity ranging from 17 liters to 25,000 liters per day, it meets a wide range of needs.

The Highest Energy Efficiency in the World

It delivers an eco-friendly, cost-effective solution by being 50% more energy-efficient than competing global technologies. By minimizing power consumption during water production, this efficiency enables truly sustainable operations.

- ✓ **Uninterrupted Drinking Water Supply in All Conditions**
- ✓ **Off-Grid Water Generation from Atmospheric Humidity**
- ✓ **Safe and Reliable Drinking Water Fully Compliant with Standards**
- ✓ **Compatible with Generator & Solar Energy Systems**
- ✓ **Wide Range of Capacities: 17L to 25,000L / Day**
- ✓ **Integrated Water Storage System**
- ✓ **Uninterrupted Performance Even in Harsh Conditions (10°C - 20% Humidity)**

ÜRÜN ÖZELLİKLERİ



No.	Description	No.	Description
1	Touch Display	6	On/Off Buttons
2	Hot Water Button	7	Air Intake Duct and Air Filter
3	Cold Water Button	8	Temperature & Humidity Sensor
4	Water Dispensing Unit	9	Water Filtration Group
5	Drip Tray	10	Power Input (220–240 V AC)

INSTALLATION AND OPERATION



Please follow the steps below to complete the installation and operation 6 hours after receiving your RePG Aqua product.

Please Read and Follow the Instructions Below Carefully.

1. Place the RePG Aqua device with at least 75 cm of clearance on the air intake side and a minimum of 20 cm at the back.



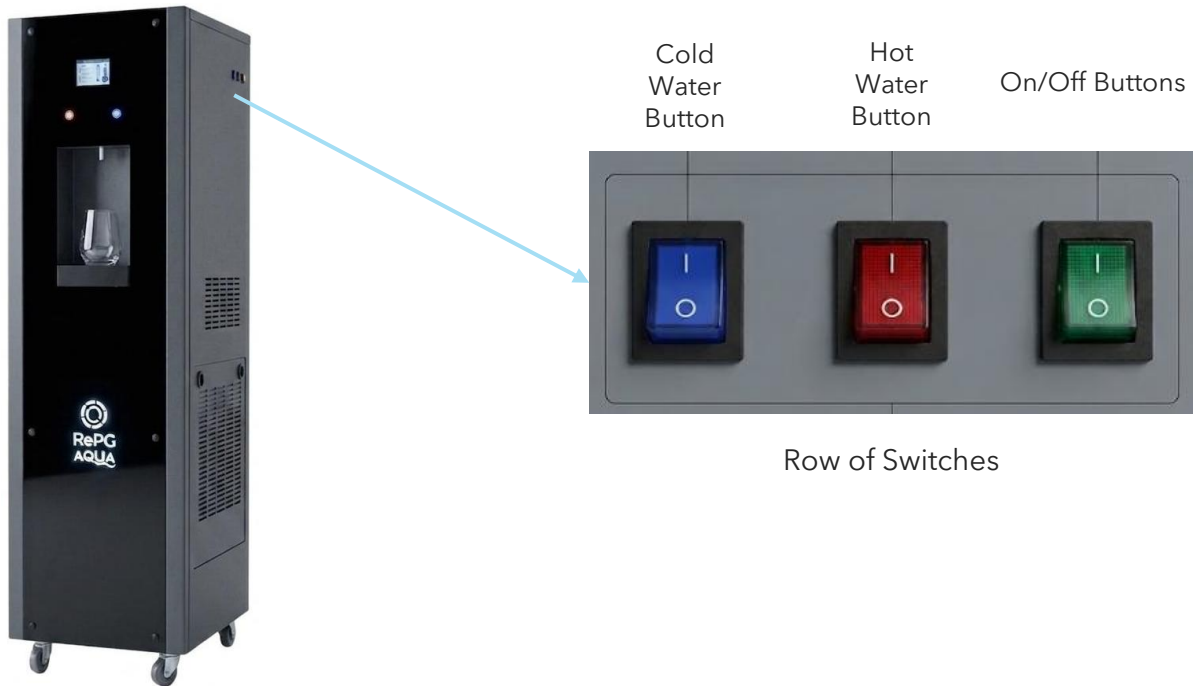
2. Ensure the switch group on the right side of the device is turned off (position '0'). Connect the power plug at the rear of the device to the outlet.



INSTALLATION AND OPERATION

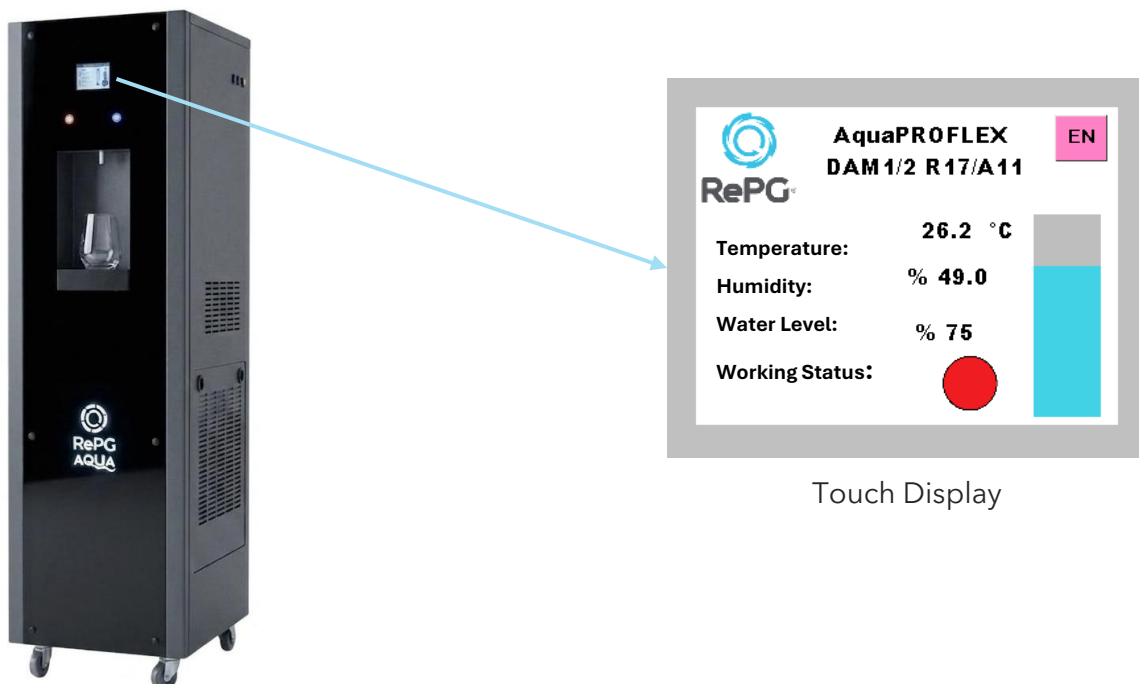
3. Turn the power (green) switch to the 'I' position.

****Do not turn on the cold water and hot water switches for the first 24 hours.**



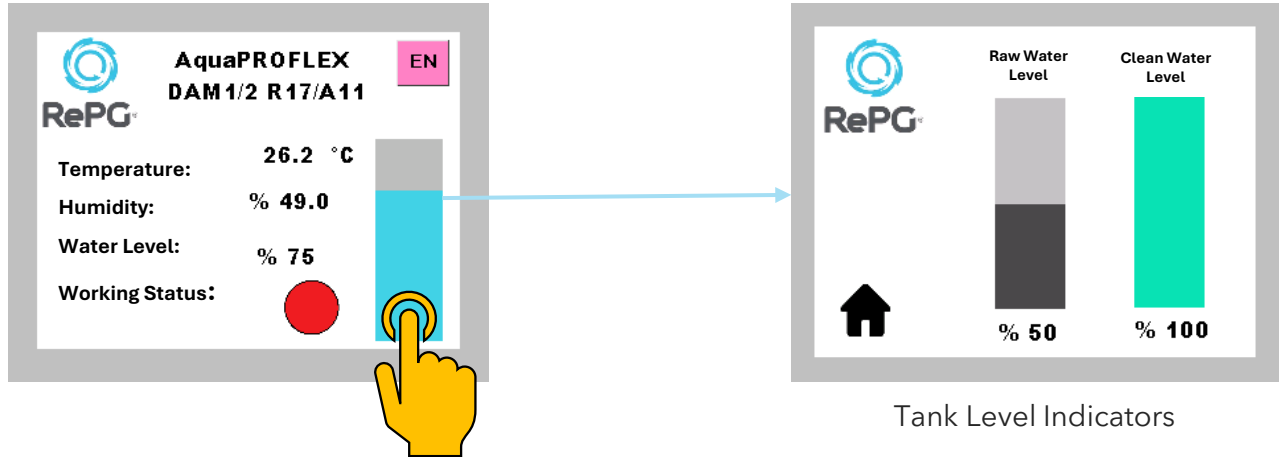
4. After the device is turned on, the following screen will become active, displaying ambient temperature, ambient humidity, tank fill level, and production status information. If the circle next to the production status is red, it indicates that there is no production; if it is green, it means the device is actively producing water.

***When the device is first turned on, the red circle will turn green after a specific standby period.*



INSTALLATION AND OPERATION

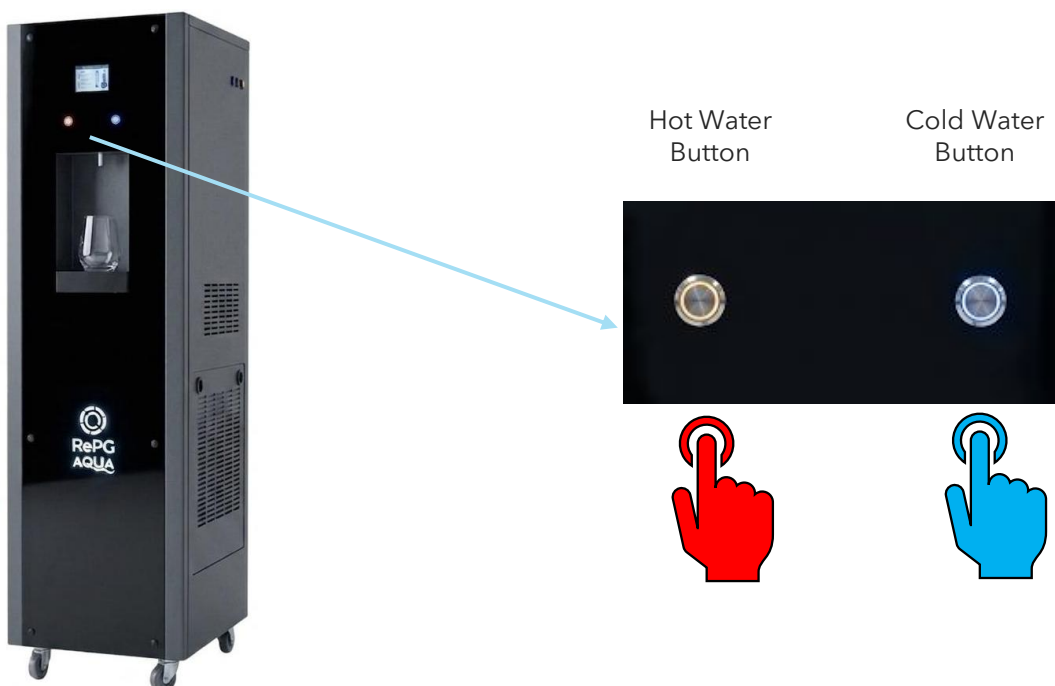
5. Switching Between Screens via Touchscreen.



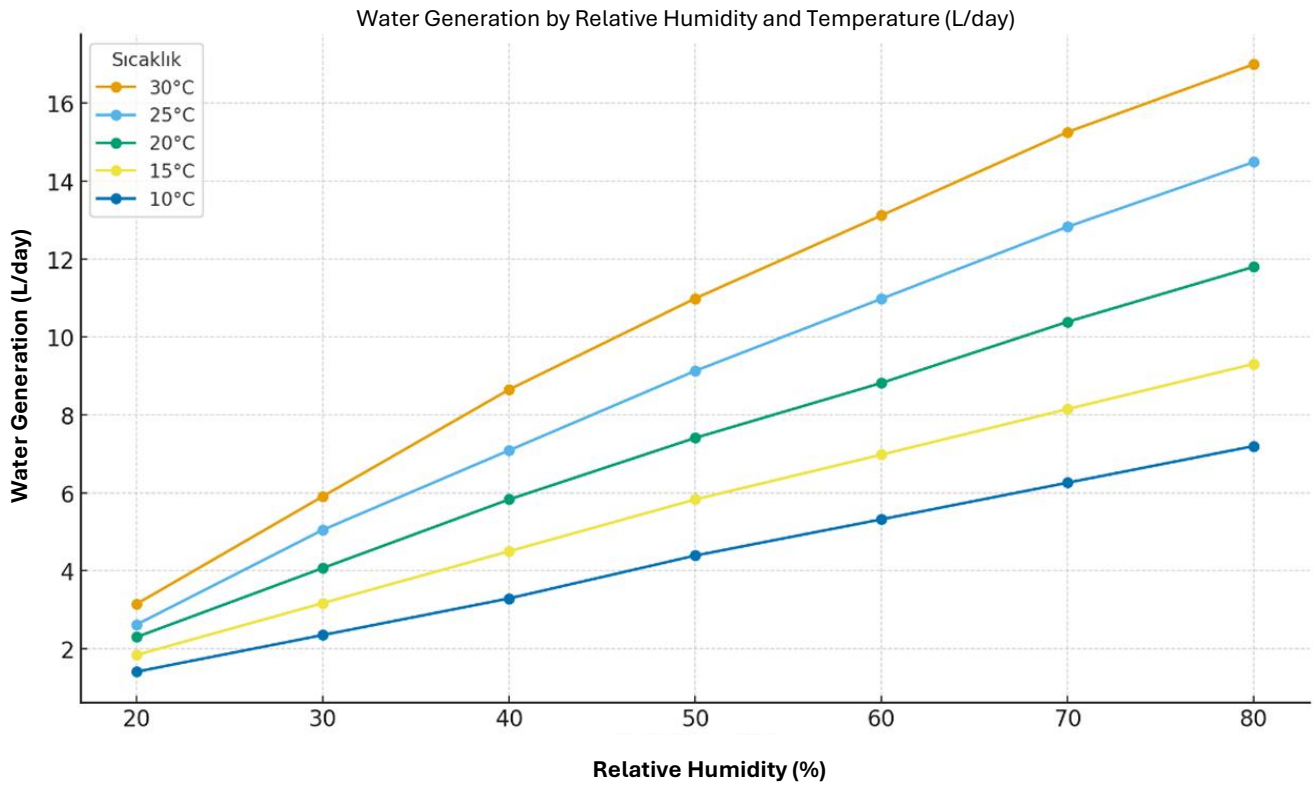
6. When the “Clean Water Level” indicator bar on the screen is at 25% or above, clean drinking water can be dispensed from the device using the hot and cold buttons.

****When the device is first started, there is no water inside it. The device produces water depending on the environmental conditions (temperature and humidity). See Table 1.**

**** To dispense hot and cold water, set the cold water switch (blue) and the hot water switch (red) to the 'I' position, as shown in step 3.**



INSTALLATION AND OPERATION



Temp/Hum	80%	70%	60%	50%	40%	30%	20%
30° C	17,0	14,3	11,7	9,4	7,0	4,5	2,2
25° C	14,6	12,4	9,9	7,7	5,8	3,8	1,8
20° C	11,4	9,0	7,7	6,0	4,5	2,8	1,6
15° C	8,1	6,8	5,6	4,5	3,2	2,1	1,1
10° C	6,0	4,8	3,8	3,2	2,1	1,4	0,8

**Values may show a ±10% deviation.

Table 1. RePG AQUA 17 Liter Water Production Chart

INSTALLATION AND OPERATION

7. When necessary (if the drip tray is full), remove the drip tray from its slot and empty the water inside.



DripTray

8. After completing the water production process, the device will automatically enter standby mode.
9. After water is dispensed from the device and the tank levels decrease, the device will start operating again.

MAINTENANCE AND CLEANING

1. When the device is unable to meet the daily water production values specified in Table 1, remove the air intake duct cover from its plastic slots as described in the steps below.
2. Clean the air filter located inside the removed cover using air or lukewarm water.
3. After completing the cleaning process, reinstall the air filter in its place.
4. If there is any dirt between the channels of the water production module located behind the air filter, clean it carefully using a brush or a vacuum cleaner.
5. Reinstall the air intake duct cover into its slot.

*****Do not reinstall the air filter or operate the device before it is completely dry.***



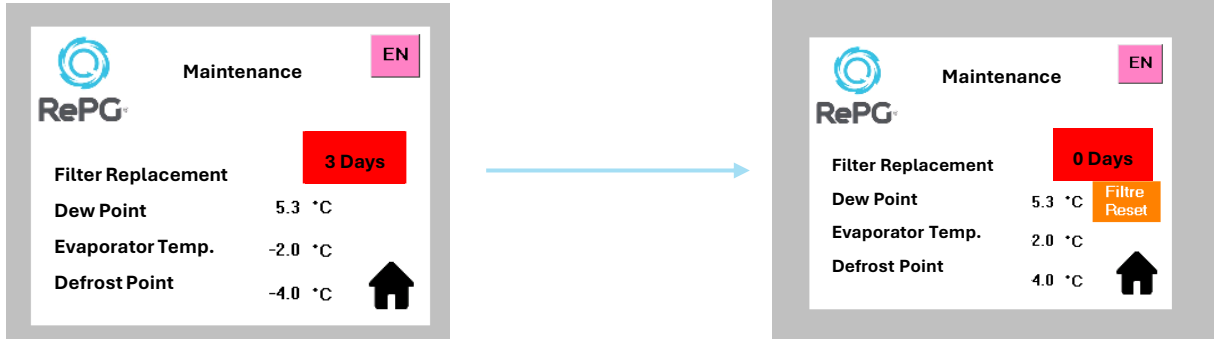
Air Filter



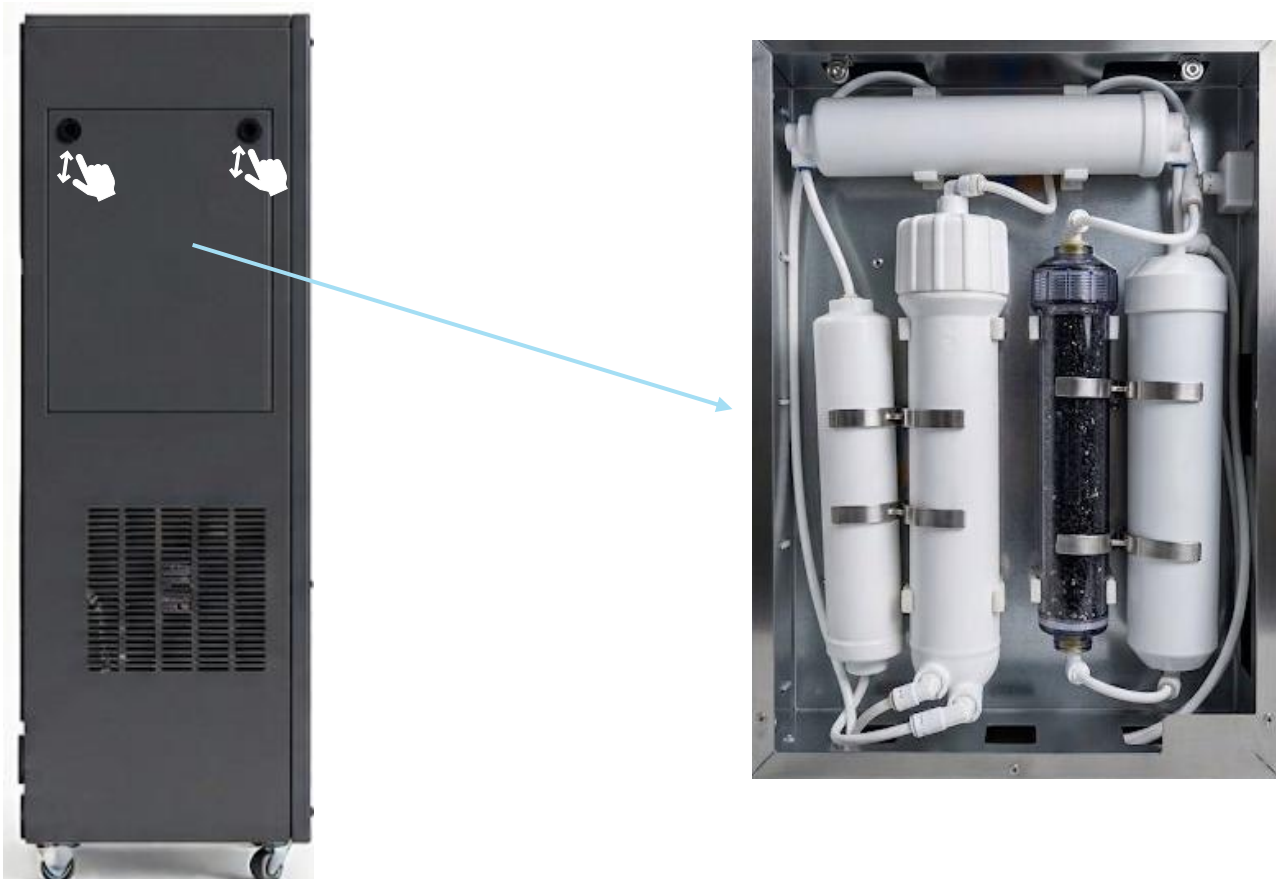
Water Production Module
Fins

MAINTENANCE AND CLEANING

6. Filter replacement intervals can be monitored via the screen. After replacement, the timer can be reset.



7. Remove the water filter group cover by pulling it out of its plastic slots.
8. Disconnect the hydraulic hoses connecting the filters by pressing the ferrule at the connection points.
9. Remove the filters from their housing.
10. Install the new filters into their slots. See Diagram 1.
11. Reconnect the hydraulic hoses.
12. Reset the filter replacement indicator via the touchscreen.



MAINTENANCE AND CLEANING

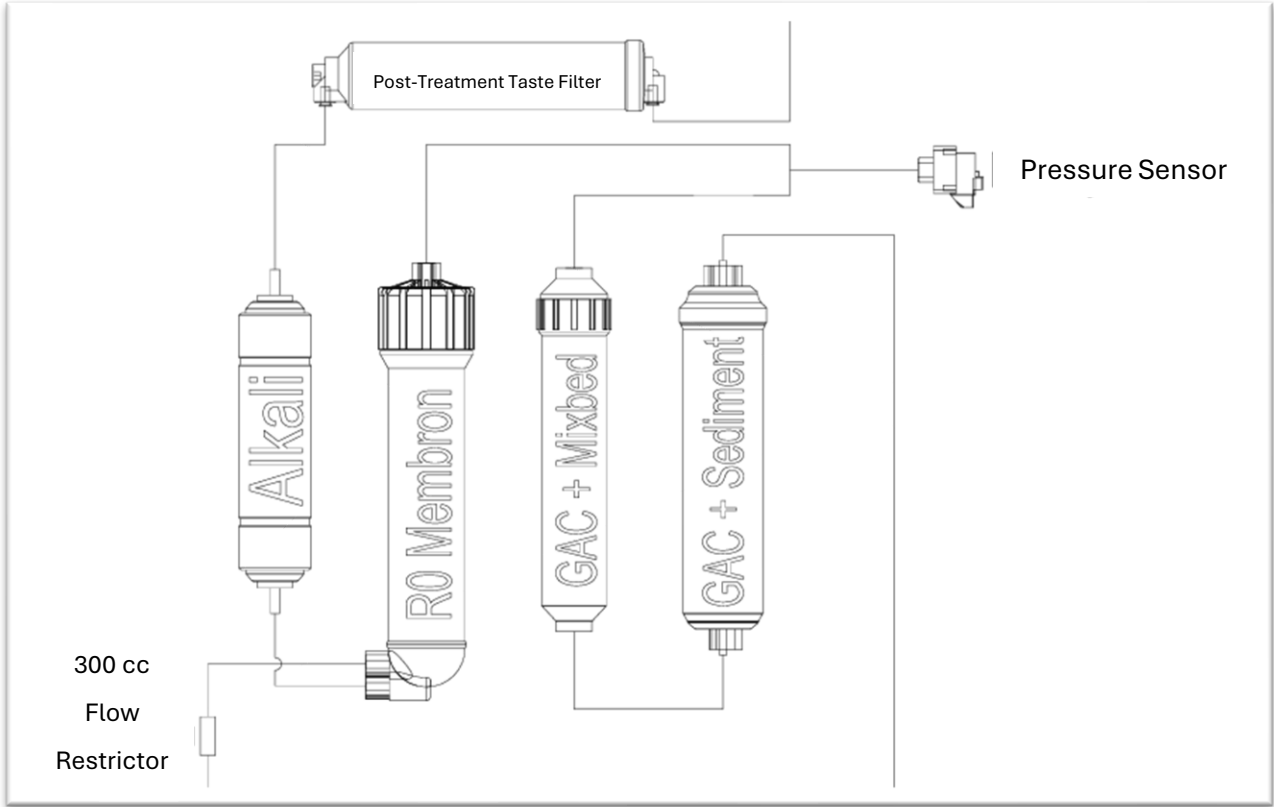
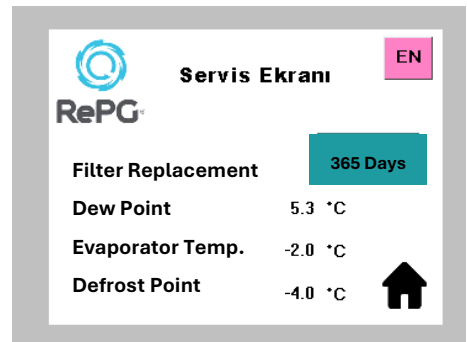
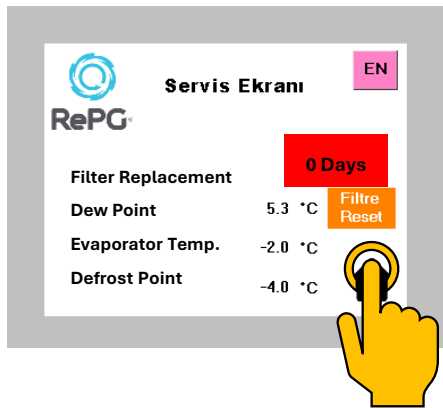


Diagram 1. RePG AQUA Water Filter Group Connection Diagram

13. After replacing the water filter group, perform the reset operation via the screen.

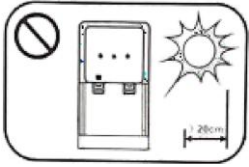


MAINTENANCE AND CLEANING

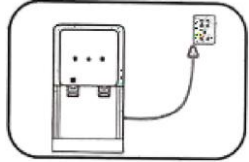
14. Filter service life.

Filter Description	Duration
Sediment Filter	10-12 Months
Alkali-Mineral Filter	16-18 Months
RO Membran Filter	20-24 Months
UV Filter	Unlimited
Resin System	12 Months
Activated Carbon	12 Months
Granular Activated Carbon (GAC)	8-12 Months
Post-Treatment Taste Filter	12 Months

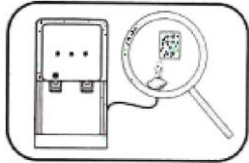
IMPORTANT WARNINGS



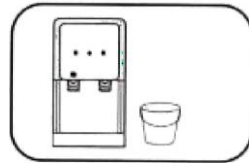
1) Store the device in a dry and cool place and avoid direct sunlight. Ensure a minimum clearance of 20 cm between the back of the device and the wall. Never place the device on a paper, foam, or similar surface. Do not place any flammable materials near the device.



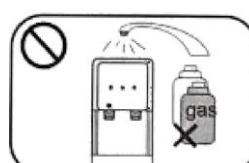
2) The device must be used with a grounded plug and a residual-current protection switch. If a two-pin plug is used, proper grounding must be ensured before operation.



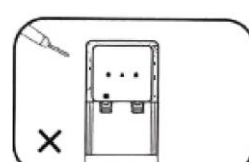
3) If the device will not be used for a long period, drain any remaining water, turn off the power switch, and unplug the device from the socket.



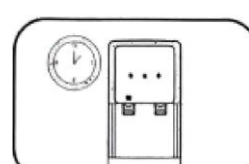
4) Never use organic solvents to clean the device. Ensure that no water enters or splashes into the internal body of the device.



5) Use the ON-OFF switch on the device to turn it on or off.



6) Do not switch the device on or off by plugging or unplugging the power cord. Never expose the end of the power cable to fire.



7) If the power cord or any other parts are damaged, they must be replaced by a qualified technician.



8) We reserve the right to interpret this user manual.



9) This device is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.



10) Do not store explosive substances such as aerosol cans with flammable propellants in this device.



11) This device is intended for use in household and similar applications such as shops, offices, and staff kitchen areas.

12) If the supply cord is damaged, it must be replaced by the manufacturer, service agent, or similarly qualified persons in order to avoid a hazard.

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