

# PURIKOR



## PKUF

ULTRAFILTRATION SYSTEM FOR RESIDENTIAL USE

v1.0  
26/03/2025

Insallation Manual

## **Abstract**

### INSTALLATION MANUAL

Thank you for your preference when purchasing our PURIKOR reverse osmosis system for residential use.

With the help of this instruction manual you can carry out a correct installation and operation of this product, so we recommend that you follow the instructions included here. Keep this manual in a safe place for future reference.

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# 1. ULTRAFILTRATION EQUIPMENT AND ITS PARTS

Read all instructions before installing and using the PURIKOR Ultrafiltration System. We are sure that you will be satisfied with the operation of this equipment that will provide you with clean and safe water to drink. If you require more information or service about this product please contact your local PURIKOR dealer or visit our website: [www.purikor.com](http://www.purikor.com)

- Ultrafiltration equipment — 1 unit
- Filter holder wrench — 2 units
- 1.5m food grade hose — 1 unit
- Goose wrench — 1 unit
- “T” connection — 1 unit
- Supply valve — 1 unit
- Installation manual — 1 unit

## 2. INTRODUCTION

This PURIKOR equipment uses techniques to deliver healthy, good-tasting water. By purchasing this equipment, you have taken the first step towards having cleaner, better-tasting water. The filter can be operated to ensure an excellent filtration function and in addition the filter can be easily replaced at a low cost. Stages of 5- and 6-stage Ultrafiltration equipment

### 1. Model PKUF-5 (Five Stages)

Stage 1: Polypropylene Sediment Filter: Removes particles, dust, soil, etc.

Stage 2: Granular Activated Carbon Filter (GAC): Removes chlorine, organics, odors, flavors, etc.

Stage 3: Block Activated Carbon Filter (CTO): Removes chlorine, organics, odor, flavor, etc.

Stage 4: Ultrafiltration Membrane: Removes suspended particles, turbidity, bacteria and other harmful substances.

Stage 5: Activated Carbon Post Filter: Gives a final adjustment to the taste of the water.

### 2. Model PKUF-6UV

Stage 1: Polypropylene Sediment Filter: Removes particles, dust, soil, etc.

Stage 2: Granular Activated Carbon Filter (GAC): Removes chlorine, organics, odors, flavors, etc.

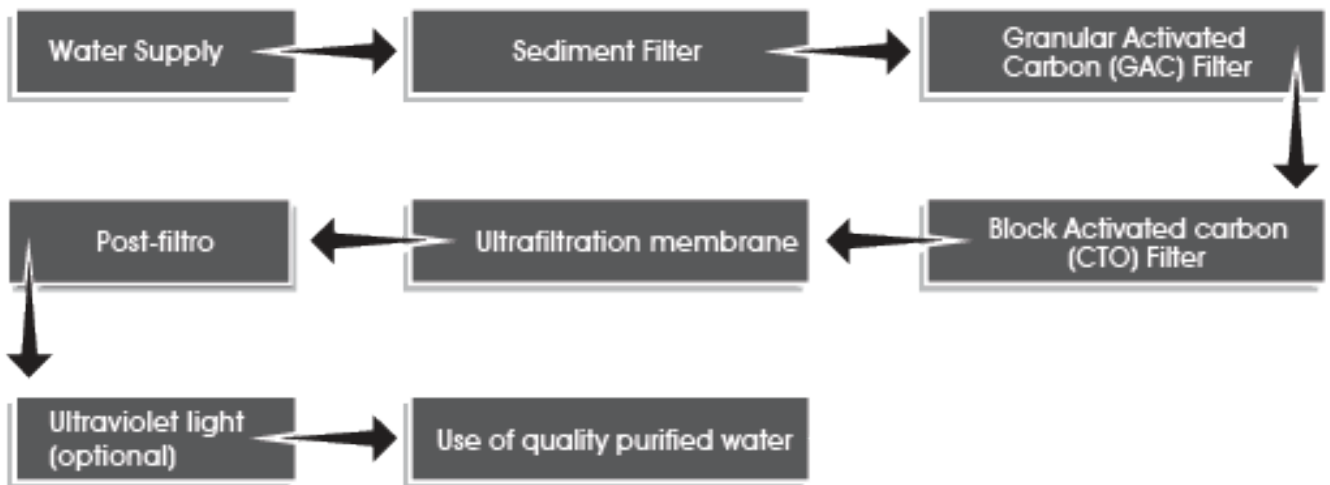
Stage 3: Block Activated Carbon Filter (CTO): Removes chlorine, organics, odor, flavor, etc.

Stage 4: Ultrafiltration Membrane: Removes suspended particles, turbidity, bacteria and other harmful substances.

Stage 5: Activated Carbon Post Filter: Gives a final adjustment to the taste of the water.

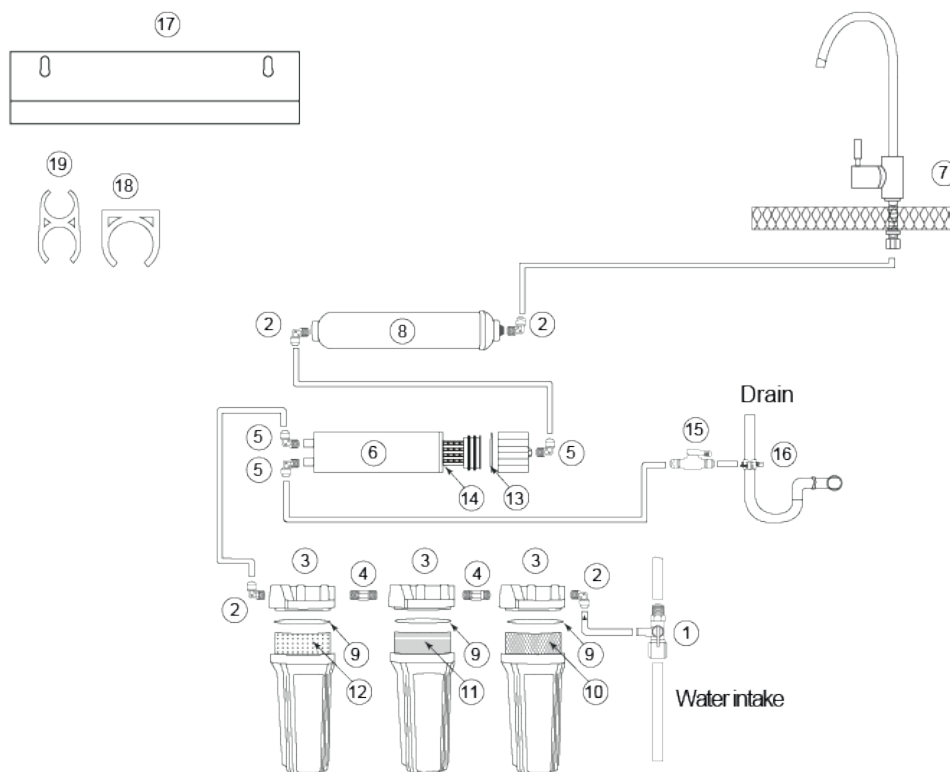
Stage 6: Ultraviolet Light: Sterilizes bacteria, viruses, and microorganisms in water.

### 3. WATER PRODUCTION PROCESS



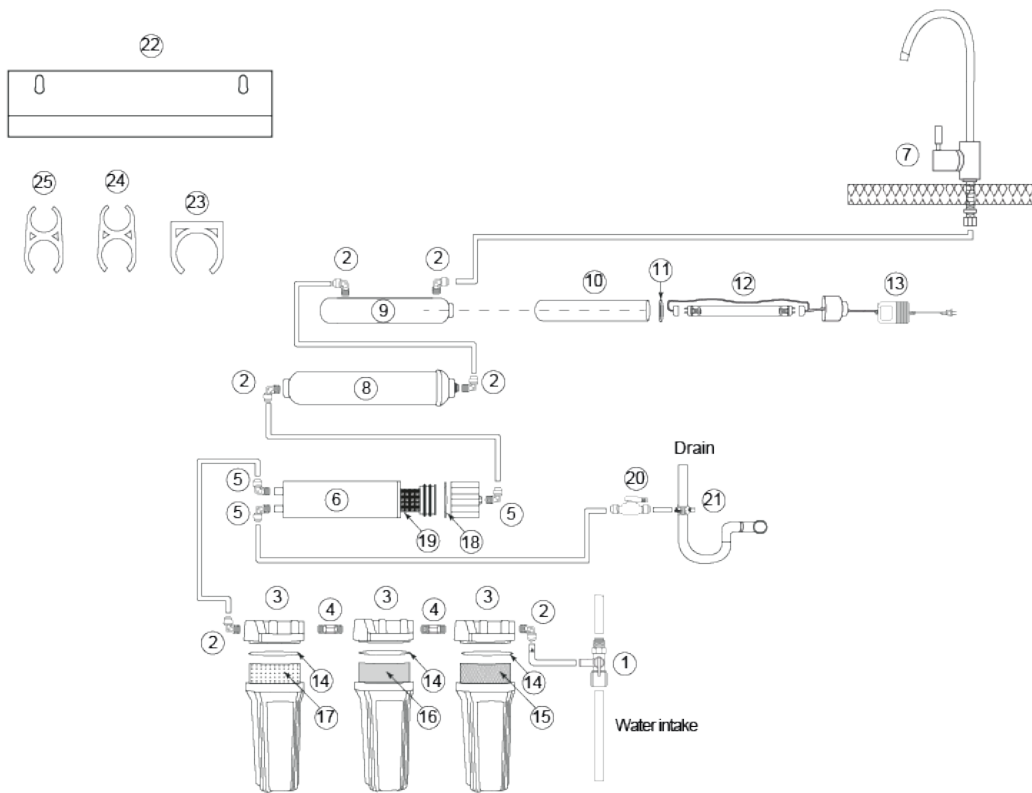
### 4. SYSTEM COMPONENTS

MODEL: PKUF-5



POSITION	DESCRIPTION	VDE CODE
1	PLAST WATER SUPPLY VALVE 1/2 X 1/2 X 1/4	R-PKMFV-01
2	MALE "L" ELBOW ADAPTER (T1/4", RM1/4")	R-PK-DCC-002A
3	WHITE FILTER HOLDER 10X.25 WITHOUT PURGE	PKPFB10X.25
4	1/4 X 1/4 NIPPLE CONNECTION	R-PK-M22
5	"L" ELBOW ADAPTER (T1/4", RM1/8")	R-PK-DCC-013A
6	MEMB. P/OI 100GPD	R-PKROH-10B
7	LUXURY CHROME GOOSE WRENCH	R-PK-GF06
8	CARBON ACT CARTRIDGE. INLINE 10X2.5"	PKCCAL 2.5X10
9	RING FOR FILTER HOLDER 2.5" DIAM.	R-PK-ORINGPF
10	10X2.5" 5 MICRON POLYPROPYLENE CARTRIDGE	PKCPP2.5X10X5
11	ACT.GAC 10X2.5" CARBON CARTRIDGE	PKCGAC2.5x10
12	ACT.CTO 10X2.5" 5 MICRON CARBON CARTRIDGE	PKCCT02.5X10X5
13	RING FOR MEMBRANE HOLDER	R-PK-ORING-PM
14	ULTRAFILTRATION MEMBRANE	PKUF-M
15	FLOW VALVE (TUB. 1/4", TUB.1/4")	R-PK-DCC-025
16	DRAIN CLAMP	R-PK-CLM-5
17	BRACKET FOR PKUF-5	R-PK-BRAUF-5
18	100 GPD MEMBRANE HOLDER FASTENER	R-PK-CL05
19	FASTENER FOR PORTAMEMB. 100G C/POSFIL.	R-PK-CL04

**MODEL: PKUF-6UV**

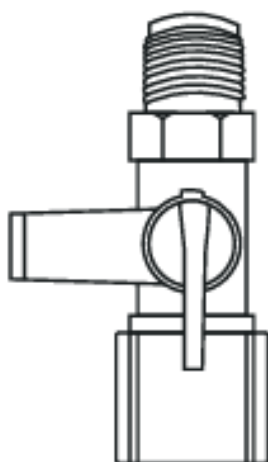


POSITION	DESCRIPTION	VDE CODE
1	PLAST WATER SUPPLY VALVE 1/2 X 1/2 X 1/4	R-PKMFV-01
2	MALE "L" ELBOW ADAPTER (T1/4", RM1/4")	R-PK-DCC-002A
3	WHITE FILTER HOLDER 10X.25 WITHOUT PURGE	PKPFB10X.25
4	1/4 X 1/4 NIPPLE CONNECTION	R-PK-M22
5	"L" ELBOW ADAPTER (T1/4", RM1/8")	R-PK-DCC-013A
6	MEMB. P/OI 100GPD	R-PKROH-10B
7	LUXURY CHROME GOOSE WRENCH	R-PK-GF06
8	CARBON ACT CARTRIDGE. INLINE 10X2.5"	PKCCAL 2.5X10
9	P/LAMP STAINLESS STEEL CAMERA. UV 6W	R-PK-UV CABINET
10	QUARTZ SLEEVE FOR UV LAMP	R-PK-UVMC-6W
11	O-RING UV LAMP 6W OS/UF/FB	R-PK-ORINGUV6W
12	PHILIPS 6 WATTS LAMP	R-PK-UV-6W
13	REMOVER FOR UV-6 LAMP	R-PK - UV ADAPTER
14	RING FOR FILTER HOLDER 2.5" DIAM.	R-PK-ORINGPF
15	10X2.5" 5 MICRON POLYPROPYLENE CARTRIDGE	PKCPP2.5X10X5
16	ACT.GAC 10X2.5" CARBON CARTRIDGE	PKCGAC2.5x10
17	ACT.CTO 10X2.5" 5 MICRON CARBON CARTRIDGE	PKCCT02.5X10X5
18	RING FOR MEMBRANE HOLDER	R-PK-ORING-PM
19	ULTRAFILTRATION MEMBRANE	PKUF-M
20	FLOW VALVE (TUB. 1/4", TUB.1/4")	R-PK-DCC-025
21	DRAIN CLAMP	R-PK-CLM-5
22	BRACKET FOR PKUF-5	R-PK-BRAUF-5
23	100 GPD MEMBRANE HOLDER FASTENER	R-PK-CL05
24	FASTENER FOR PORTAMEMB. 100G C/POSFIL.	R-PK-CL04
25	BRA FOR POSTFIL. WITH UV LAMP 100G	R-PK-CL07

#### Water supply faucet installation:

- Install the water supply valve in the "T" connector and then connect it to the water supply line.

Caution: The water supply must be from the cold water line. Supplying soft water extends the life of the membrane and filters



#### Quick "tubing" connection:

Review the following diagram for proper installation of quick connections.

- To install “tubing” water hose

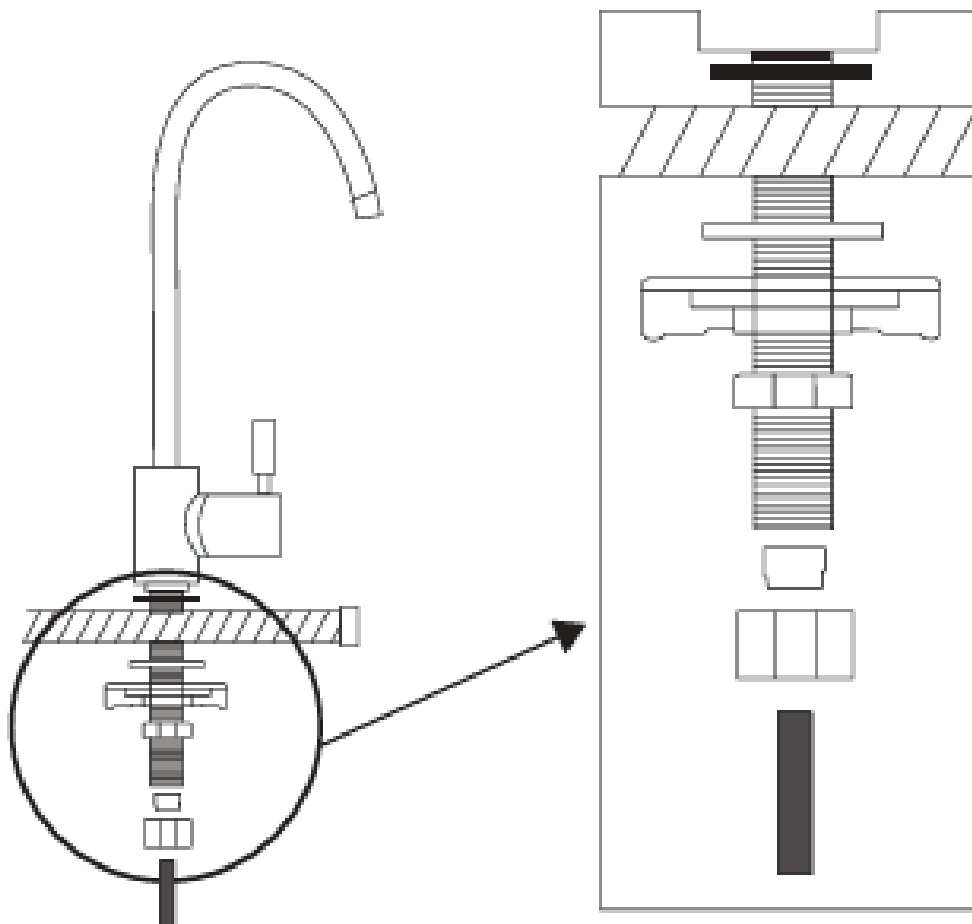
1. Insert line
2. Insert clip
3. Full installation

- To remove “tubing” water hose

1. Remove the clip
2. Press the inner nail
3. Pull the tubing hose

**Goose wrench installation:**

- Select a connection near your sink to place the goose faucet. It can be on the right or left side.
- Drill a 12mm diameter hole in the top of the cover next to the sink.
- Place the goose wrench and its connections according to the diagram and tighten the lower nut tightly.
- Connect the white tubing to the bottom of the goose wrench.



## 5. TECHNICAL SPECIFICATIONS

Feed water: Municipal network

Chlorine Level: 0.2 parts per million

Inlet pressure (min./max.): 14.5 — 43.5 psi

Inlet temperature (min./max.): 4°C — 38°C

## 6. BEFORE YOU START

- Read all instructions before starting to use the PURIKOR Filtration System. Follow all the steps or you may be at risk of damage to the equipment.  
This PURIKOR equipment has filters that need to be replaced from time to time. The time to change filters varies depending on the use and quality of the water being supplied. For more details, please contact your PURIKOR dealer
- Install the equipment with drinking water. In places where the water is not drinkable, the equipment may not work properly and require some pre-treatment of water.
- Make sure the water pressure is between 14.5 and 43.5 psi. If the pressure exceeds the maximum pressure, we recommend placing a pressure reducing valve.
- The water temperature should be between 5°C and 38°C. The equipment will not work well if these temperatures are exceeded. **DO NOT INSTALL THE EQUIPMENT IN THE HOT WATER CONNECTION.**
- Do not use the PURIKOR system if you realize that it has been used with wastewater or water that may have some contamination.
- Do not open, modify, or disassemble the equipment. Attempting to do so may damage or cause a failure in the equipment, voiding the warranty
- Do not cover the equipment as it could cause damage or fire.

## 7. INSTALLATION

Follow the instructions to install the water supply faucet. The water supply should be as close as possible to the water purifier. Caution: The feed water must be from the cold water line.

### Installing filters:

- Remove filter cartridges from packaging
- Place the filters in the filter holders according to the labels and close the filter holders from right to left in the following order: Sediment Filter, Granular Activated Carbon Filter (GAC), Block Activated Carbon Filter (CTO).

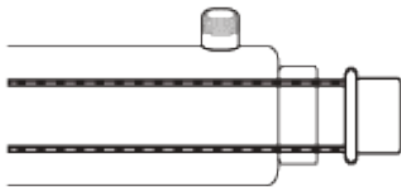


## UV lamp installation

1. UV camera or housing
2. Glass sleeve
3. Aluminum nut
4. Silicone cap
5. Silicone packaging
6. UV lamp
7. Adaptor

STEP 1: Place the silicone stopper or silicone gasket (4 or 5) on the tip of the glass sleeve (2).

STEP 2: Insert the glass sleeve (2) into the UV chamber (1).



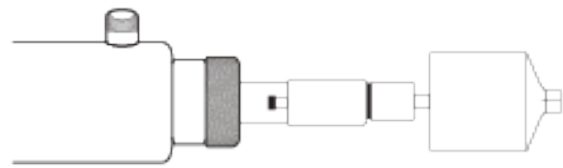
STEP 3: Adjust the aluminum nut (3) to seal the UV chamber (1).



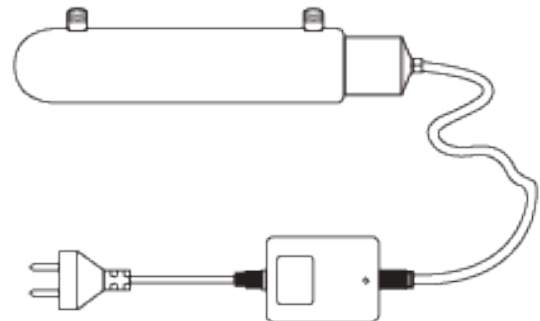
STEP 4: Connect the adaptor (7) to the UV lamp (6).



STEP 5: Insert the UV lamp (6) into the stainless steel UV chamber (1).



STEP 6: Seal the chamber with the cover that is attached to the adaptor (7) See Figure 6.

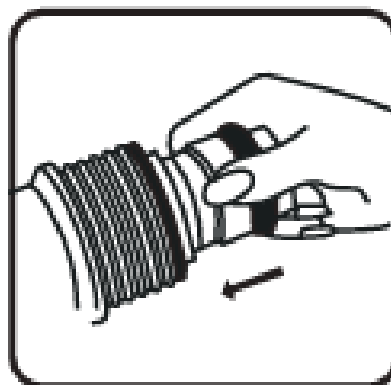
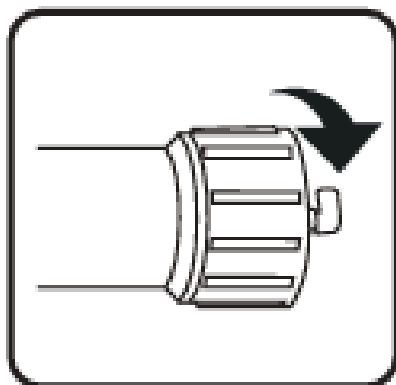


**CAUTION: Do not look at unprotected ultraviolet light, as the rays emitted by the UV lamp can cause serious burns to the eyes and skin. Always disconnect the electronic ballast when maintaining the equipment.**

CAUTION: Do not see UV light without protection, as the rays emitted by the UV lamp can cause serious eye and skin burns. Always disconnect the electronic ballast when servicing the equipment

### Ultrafiltration Membrane Installation:

- With the wrench, remove the cover of the ultrafiltration membrane holder.
- Remove the ultrafiltration membrane from the packaging.
- Insert the ultrafiltration membrane with the double o-ring.
- Place the cover of the membrane holder and close it tightly with the key.



## 8. OPERATION AND MAINTENANCE

Model	PURIKOR Code	Frequency of change
Sediment Filter	PKCPP2.5X10X5	3 to 6 months or when you notice any loss in performance.
Granular Activated Carbon Filter (GAC)	PKCGAC2.5X10	6 to 12 months or when you notice a loss in performance.
Block Activated Carbon Filter (CTO)	PKCCTO2.5X10X5	6 to 12 months or when you notice a loss in performance.
Ultrafiltration Membrane	PKUF-M	12 to 18 months or when you notice any loss in performance.
Activated Carbon Post-filter	PKCCAL 2.5X10	6 to 12 months or when you notice a loss in performance.
Lamp UV Light	R-PK-UV-6W	12 months or sooner if it stops working (it's important to keep the glass sleeve clean).

### To change the ultrafiltration membrane

- Close the water supply valve
- Open the goose faucet to drain water from the equipment
- Remove the hexagonal connection from the membrane holder
- With the wrench, remove the cover of the ultrafiltration membrane holder
- Replace the ultrafiltration membrane with a new one
- Close the membrane holder.s, place the hexagonal connection and open the water supply valve.

Note: Filters and membranes are consumables. The replacement time depends on the quality of the supply water and the water consumption. Given the above, the frequency of change to ensure the normal operation of the purifier and the quality of pure water may vary and the suggestion for changing filters described is only a reference

## 9. SAFETY INSTRUCTIONS

These PURIKOR equipment must operate and operate in accordance with the instructions in this manual. It is not designed to operate outside of the above specifications and any attempt to do so may result in damage to the unit or to the person. Keep the PURIKOR equipment out of the reach of children. If your PURIKOR equipment requires service or repair please contact your local dealer or visit [www.purikor.com](http://www.purikor.com)

- Make sure that the temperature of the supplied water is higher than 4°C and lower than 38°C.
- The power supply voltage should be 115 volts for equipment that includes UV light. Incorrect voltage may damage the unit and/or cause a fire
- Do not attempt to use the unit if the power supply cable is damaged as this may cause electric shock or fire. If the electrical cable is damaged, disconnect the equipment and discontinue use until repaired.

## 10. PROBLEM GUIDE

Problem	Cause	Solution
Does not produce water	The water supply is closed.	Turn on the water supply.
There is not enough water product	1. The water supply is blocked.	1. Clear restriction.
	2. Pre filter (s) are clogged.	2. Replace the filters.
	3. Water supply valve is clogged or closed	3. Open the valve or unplug it.
Abnormal noise cycle	Clogged filter or low water supply pressure.	Change the filter or adjust the water supply pressure.
Water with an unpleasant taste or smell	Exhausted activated carbon post filter.	Drain water from the pressure tank and change the activated carbon post filter.
Fuga	1. Tubing is not well tightened or connected	1. Tighten or adjust pipe connections
	2. Faulty or damaged piping	2. Cut off damaged area of the pipe or replace the
	3. Packings (“O” ring) are not properly placed.	3. Place packaging (“O” ring) properly
	4. Damaged packing (“O” ring)	4. Replace gaskets (“O” ring)
UV light does not turn on	1. Damaged lamp.	1. Replace the lamp.
	2. It's not well connected.	2. Make sure it has an electrical current and connect