

■ Tubing Installation



Step 1.

- Cut the part of the tube to be inserted into the fitting to plane the end.
- Make sure to use a clean tube without any foreign material or cracks.



Step 2.

- When inserting the tube, remove any obstructions before fully inserting the tube.
Make sure the tube is fully inserted.
- Inserting the tube into the fitting only takes moderate force.
The tube or fitting should not be scratched or damaged in the process, as this is the main cause for water leaks later on.



Step 3.

- To make sure that the fitting is properly connected to the tube, pull it once. After pulling, insert a spanner under the collet and push the tube into the fitting once more for a complete insertion.



Step 4.

- Make sure to completely eliminate pressure before disassembling the fitting.
- When disassembling the tube, push the clip in direction of the main assembly and then pull the tube out for easy disassembling.
- Fittings and tubes can be reused.

■ Cautions

1. The fitting parts & tube are recommended to be replaced every 2 years.
2. Please check any possible leakage from any loose connection after replacement.



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■ Replacement Filter

REPLACEMENT FILTER	FILTER DESCRIPTION	CAPACITY / SERVICE LIFE
ECO MAC FILTER	ECO MAC FILTER is a combined filter of sediment and carbon block filter which has outstanding absorption for the foreign substance, especially residual chlorine. This compound filter removes dirt, sand, rust and other solid particles, minute impurities as well eliminates chlorine, odor, organic substances and improve water taste. Moreover, ECO MAC FILTER maintains steady flow rate.	34,000L / (3~6 months)
UF (Ultra Filtration) FILTER	UF membrane with small pore size in the range of 0.03 to 0.05 micron typically removes high molecular-weight substances, colloidal materials, and organic and inorganic polymeric molecules, bacteria except minerals. Low applied pressures are sufficient to achieve high flow rates from an ultrafiltration membrane. Our UF filter capacity is around 40,000L at an operating pressure of about 50psi.	40,000L / (12 months)
UV FILTER	UV filter utilizes natural means to kill waterborne viruses, bacteria and other microorganisms. The UV wavelength scrambles the DNA of living organisms in the water, so they can no longer reproduce.	12 months (8,000 hour)

■ Function

1. UV FILTER

- If the water purifier is not used for 4 hours, UV is automatically turn on after 4 hours and then turn off after 5minuts, (If the water purifier is not consumed for a long time, UV filter sterilizes the standing water inside UV filter).
- UV filter is automatically operated when you do not use during 4hours to prevent water pollution then automatically power-off after 5minutes.

2. LED

- LED logo light is automatically controlled by PCB whenever UV filter is functioning.

3. FLOW SENSOR

- Operating pressure : 0.5 kgf/cm² ~ 5 kgf/cm²
- Install the flow sensor upright in the direction of the arrow.
- Install the machine with pump or reducing pressure depending on the each region's water pressure.
- For the malfunction of machine, please disconnect the power plug and lock the water supply valve then contact the customer service.



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WACO

USER'S MANUAL

HW-LP-UV9

User Guide for Water Treatment Professionals

Drinking Water System with UF/UV Sterilizer

TEMPERED GLASS PANEL DESIGN



The **Ultra-Violet** water purifier is one of most advanced innovations.

Quick Change
Water Filter System

Thank you very much for selecting WACO Corp. In order to bring the best use of your system, please read the user's manual carefully before installation and follow the regulations.



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Introduction

The WACO Corp's (UF+UV) water filtration system has been designed for residential and commercial applications. You will insure successful installation and reliable operation by carefully reading this instruction manual and following the operational guidelines. If however you prefer, you can contact your local plumber or handyman and they can install these system for you rather quickly. Routine maintenance is essential to the longevity and performance of the system. Filters should be changed according to service life depending on the quality of the feed water supply.

The information provided here is not intended to be the answer to every question the water treatment professional will have. If you have applications that are unusual, we would like to hear from you.

Specifications

Minimum and Maximum Operating Conditions.

Condition	Minimum	Maximum
Inlet Pressure	14 psi (0.96 bar)	58 psi (4 bar)
Inlet Temperature	40° F (4.44° C)	86 ° F (30° C)
Inlet TDS	50 mg/L	300 mg/L



Each part of inside system(Optional Filter System)

Option1, Part Name (Big Capacity!)

1. ECO MAC FILTER
2. UF MEMBRANE
3. UV FITER
4. FLOW SENSOR
5. UV CONTROLLER



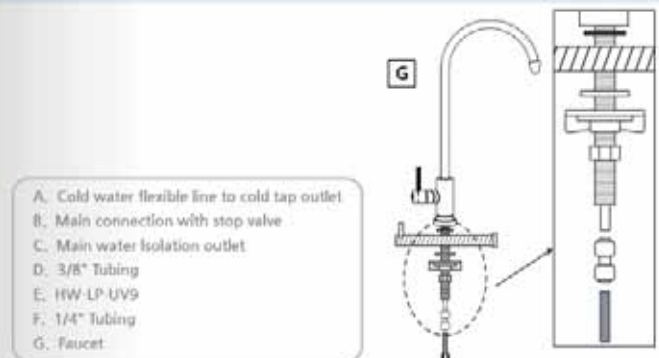
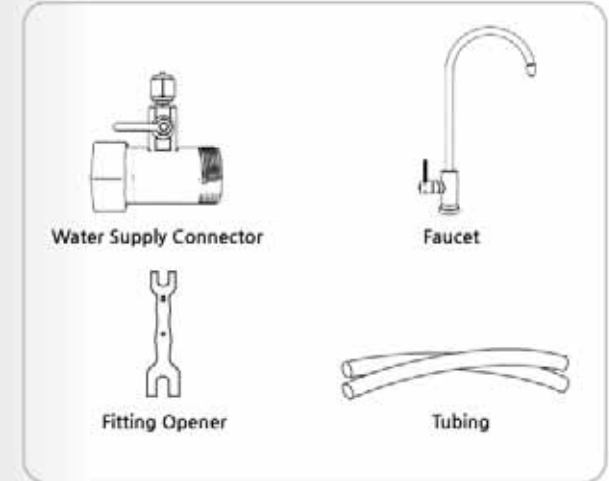
Option2, Part Name (Economical choice!)

1. ECO MAC FILTER
2. UF MEMBRANE
3. PCB(Post Carbon Black) Filter
4. UV FITER
5. FLOW SENSOR
6. UV CONTROLLER

Installation



Components



- A. Cold water flexible line to cold tap outlet
- B. Main connection with stop valve
- C. Main water isolation outlet
- D. 3/8" Tubing
- E. HW-LP-UV9
- F. 1/4" Tubing
- G. Faucet

Cautions

1. Please stand a product as vertical when you install it.
2. Please check any possible leakage from loose connection after installation.
3. How to replace filters
 - 1) Turn-off the power and disconnect the power plug.
 - 2) Turn-off the main water supply valve.
 - 3) Please drain the water by faucet open.
 - 4) Please change the filters.
 - 5) Trun-on the main water supply valve then flushing out through the faucet.
 - 6) Please connet the power plug.