



# Instruction Manual

Read before installation and save for reference



## Under-sink Multi-stage Ultra Filtration System

System Model: **WU2. Sh01**



## BEFORE INSTALLATION:

### Inspect the system:

Please unpack the system and all components from the packaging box. Carefully inspect the system and all connecting accessories to ensure there is no damage during transportation. If any part is cracked or damaged, please do not proceed with the installation and contact WEISSWASSER or your dealer for replacement or diagnosis.

### Components included with the UF system:

**Make sure you have all these parts before starting installation.**



① Main Body x1

② Faucet with washers and nuts

③ Straight connector (1/4" to 3/8")

④ 3/8" PE Tubing

⑤ Expansion plug x2

⑥ Cross recessed round head screw(ST4 \*25)× 2

⑦ Thread Adapter (1/2 MNPT-3/8" & 1/2 FNPT-3/8")

⑧ 3/8"-1/2"Converter

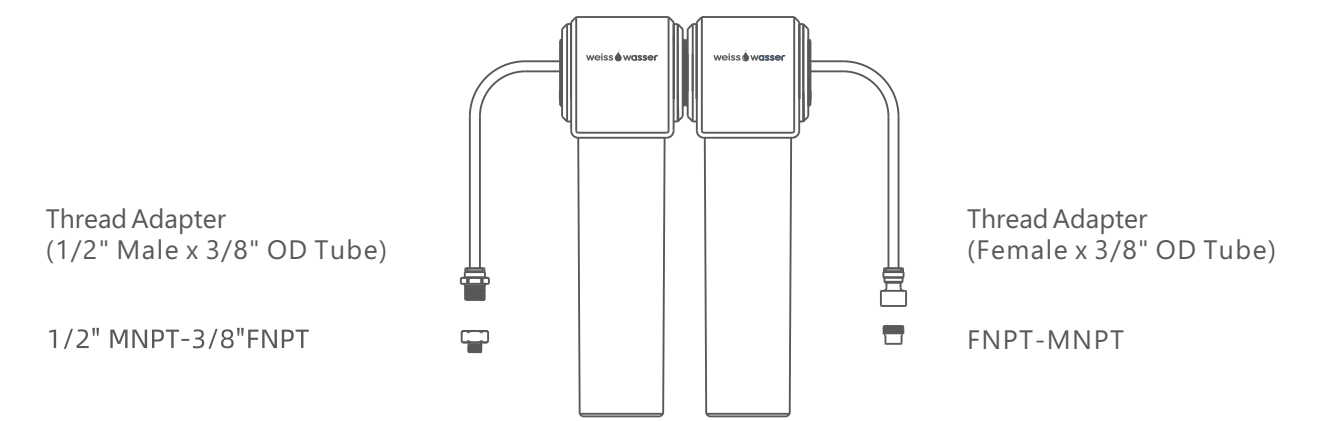
⑨ Teflon tape

## Recommended tools list:

- Hole puncher: 0.6" (for standard faucet hole)
- adjustable wrench
- Phillips screwdriver
- Utility knife, or scissors

## Product Overview

If you prefer not to use the faucet included in the package and wish to retain your existing faucet, please use the 3/8"-1/2" Converter and Thread Adapter to connect to the original faucet.



## Specifications

Operating temperature	41-100°F ( 5 - 38°C )
Working pressure	15-60psi/0.1- 0.41 MPa(Installation of a pressure reducing valve is required if pressure exceeds 60psi)
Flow rate	1.58gpm (tested under 60psi)
Feed water requirement	Municipal tap water
Filtration accuracy	0.01 $\mu$ m
Filter capacity	No. 1 filter: Up to 6-12 months
	No. 2 filter: Up to 24 months

**Note:** The service life mentioned above is subject to chlorine reduction. Actual result varies according to the local water quality.

## Precautions

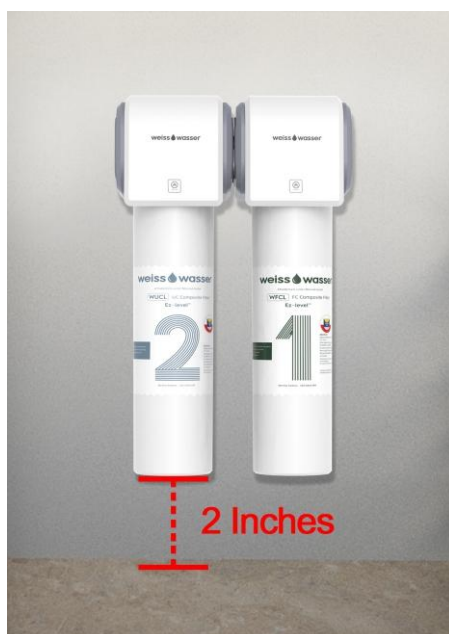
- Please wear a pair of gloves when installing to avoid scratching your hand.
- Do not use it with water that is microbiologically unsafe or of unknown quality without adequate disinfection.
- For use only with cold water.
- The system can not be used in freezing environment. Please empty the water in the housing in advance to prevent the filter cartridge from cracking.

- Do not allow children under 3 years old to have access to small parts during installation of this product.
- This installation must comply with all applicable state and local regulations.
- Turn off the water supply while replacing the filter.
- Do not connect this unit to hot water source
- Install the UF in a sheltered environment, avoid exposure to hot and cold weather or under direct sunlight.

## Installation of the Filter System

### Step 1: Fixing the Filter (If Suspended Option is Chosen)

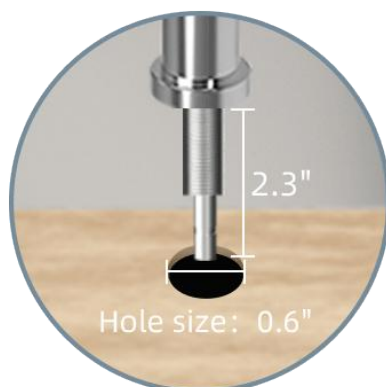
Involves Packaging Accessories: Cross recessed round head screw (ST4\*25) x 2,  
Expansion plug x 2 Drilling distance from the ground: 15"



### Step 2: Install the Faucet

Involves Packaging Accessories: Faucet x 1

1.If there are no holes on the sink, it is recommended to use a 0.6" holepuncher for perforation.  
(Hole size should be greater than 0.6" and less than 1.37"; otherwise, installation will not be possible.)



2.Remove the faucet from the packaging, pass the bottom of the faucet through the hole, then insert the rubber washer, metal washer, and serrated washer in sequence, and tighten with a nut.



3.Connect the faucet with the straight connector(1/4" to 3/8").



## Installation of the Filter System

### Step 1: Connect to the feed water adapter (cold water only)

1. If the outlet of the angle valve is 1/2", you can directly install an adapter (choose external or internal thread according to the situation) to connect the inlet hose. (Figure 1)
2. If the outlet of the angle valve is 3/8", then you need to install a 3/8"-1/2" adapter (choose external or internal thread according to the situation), and then install a adapter (choose external or internal thread according to the situation) to connect the inlet hose. (Figure 2)

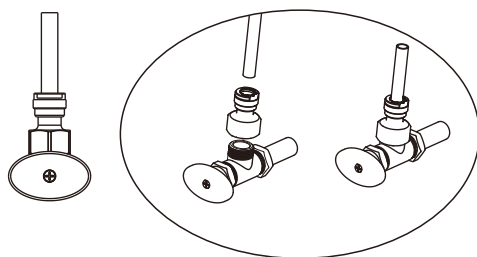


Figure 1

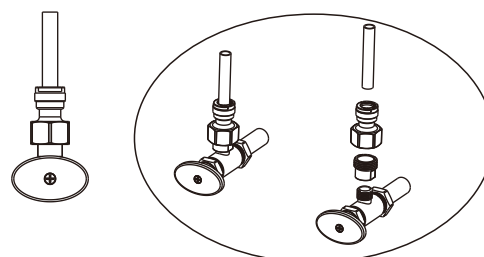


Figure 2

## Step 2: Cutting, Connecting, and Disassembling Hoses

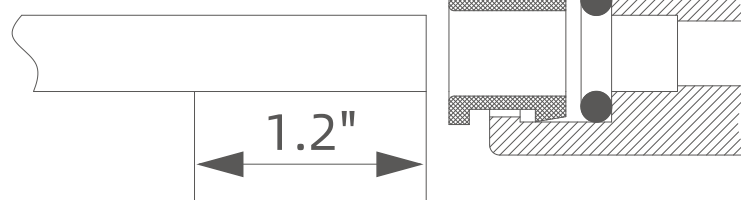
All components are hose quick connectors. Please read the following carefully:

### 1. Cutting the Hose

Cut the hose vertically

The cut edge should be smooth and flat, without scratches or notches. Otherwise, it should be recut. The length of the hose should not be too short to ensure that components can be removed from the washer during maintenance. If the hose length is shortened for cleanliness, some components will need to be removed during maintenance.

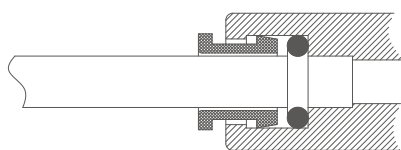
### Hose cutting method



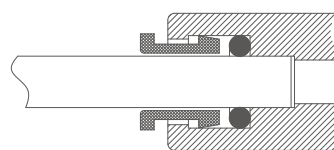
The area around the 1.2" hose should be smooth, scratch-free, and notch-free.

### 2. Connect the hose

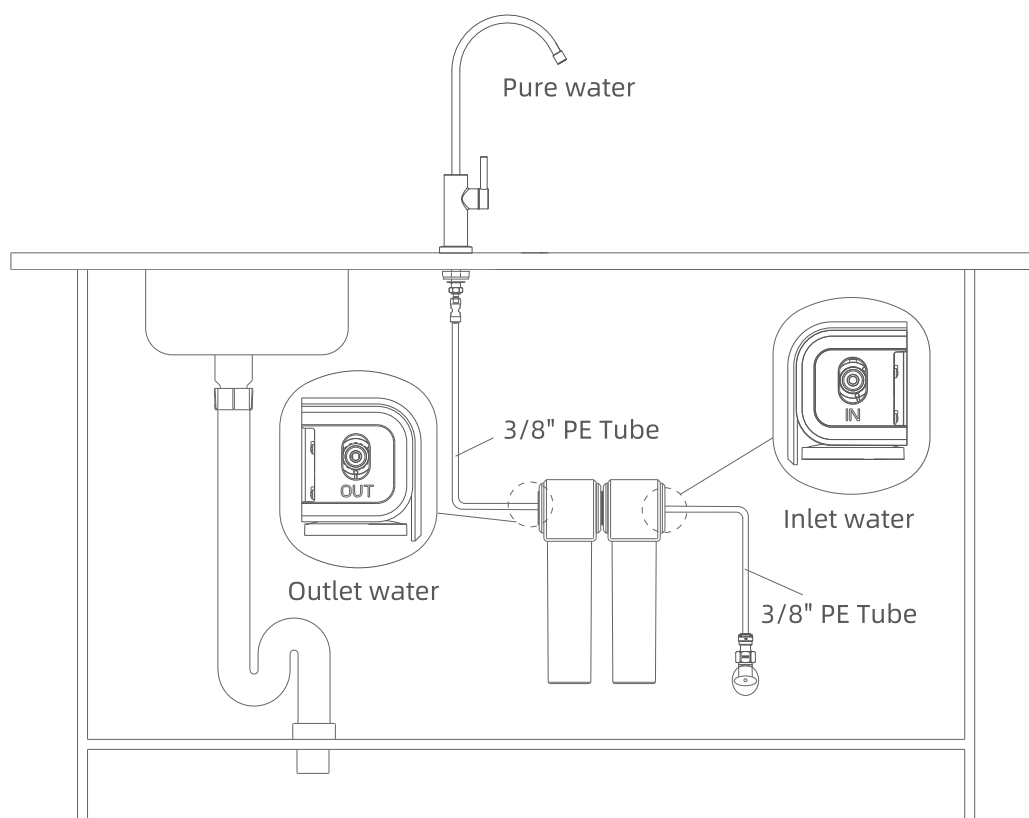
Slowly push the smooth and flat hose into the connector until the O-ring feels resistance. (The most common mistake is to give up pushing before reaching the bottom, which may cause leaks or looseness). If using hoses not provided by the original manufacturer, ensure they are of appropriate size, have a smooth appearance, and meet standard roundness.



Connection of hose and connector

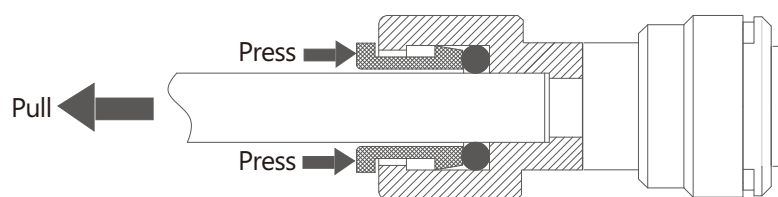


The hose and connector are completely connected



### 3.Remove the hose

Press the hose clamp firmly with your fingers (sometimes you may need to push the hose at the joint first). While pressing the hose clamp, use your other hand to pull out the hose.

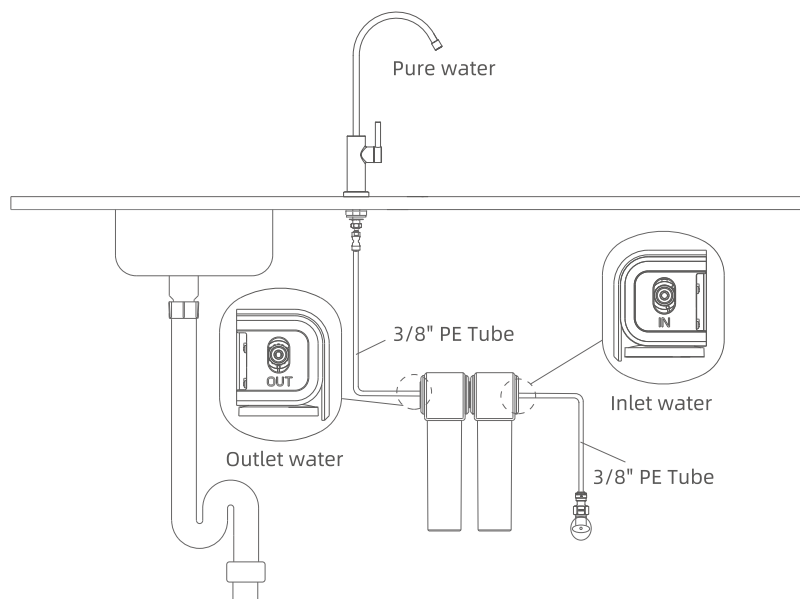






### Step 3: Check the Leaks and Flush the Filter

Turn on the cold water supply valve. Check if there's water leakage at connectors, components, valve or any connecting position. If leakage occurs at position 1, wrap Teflon tape on the external thread. If leakage occurs at positions 2, 3, and 4, reconnect the quick connectors.



Then turn on the faucet. It may dispense muddy at the beginning. Please flush for 15 minutes continuously.

**Note: The water is not drinkable until flushing for 15 minutes**

### Cartridge Change Instructions.

Your system requires to be cleaned after a considerable period of use. If the flow rate is significantly reduced or if the water has a peculiar smell, it is time to replace the filter.

To ensure optimal taste of the system, cartridges should be replaced regularly. Below are the recommended replacement intervals:

Cartridge Number	Filter Lifespan
1	6-12 Months
2	24 Months

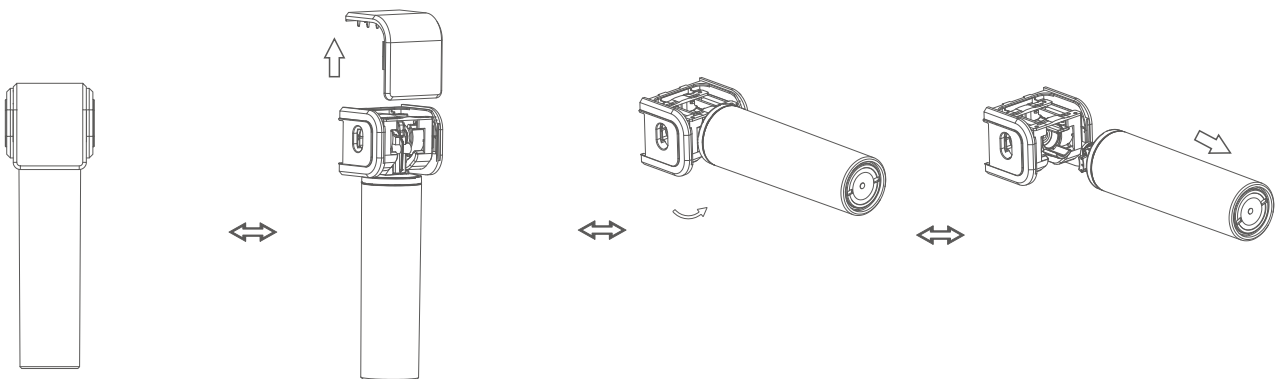
**Note:** Due to variations in water quality across different regions and variations in the consumption of purified water among different users, the actual replacement period for the filter cartridge may deviate from the recommended replacement interval.

### Step 1: Remove the cartridge

Turn off the water supply to the system. Open the faucet to release the pressure and allow the water drain. Detach the front cover by slide it upward. Rotate the used cartridge by 90° to level, then pull it out and discard it.

### Step 2: Install the new cartridge

Take out the new cartridge from the package, remove the cartridge cap, push the cartridge horizontally into the bottom axis of the cartridge, rotate it down 90° till it is in place.



**Please note:** When installing the cartridge, ensure that the sealing ring and sealing gasket on the cartridge are properly installed.

### Step 3: Flush the system

Then turn on the faucet and flush for 15 minutes continuously.

**Note:** It may dispense muddy at the beginning. The water is not drinkable until flushing for 15 minutes.

## Frequently Asked Questions

### **Q: Why doesn't the TDS value lower after filtration?**

A: The primary purpose of the Weisswasser UF filter is not to remove TDS. TDS stands for Total Dissolved Solids, primarily composed of inorganic salts and small amounts of organic matter. The filter can remove harmful substances while retaining beneficial trace elements. If you require physical removal of TDS from water, Please choose Weisswasser RO system.

### **Q: When should I replace the cartridge?**

A: The lifespan of the filter cartridge depends on water quality. If the flow rate significantly decreases or if the water has an unusual taste, we recommend replacing the filter cartridge. The recommended replacement intervals are as follows:

Cartridge 1: 6-12 months

Cartridge 2: 24 months

### **Q: Why is the water flow slower after replacement?**

A:

a: The installation sequence of the two filters is incorrect.

b: The inlet and outlet pipes are connected incorrectly. Please check the labels on the inlet and outlet to resolve the issue.

### **Q: What substances can the filter reduce?**

A: The 0.01 micron ultrafiltration membrane can remove 99.99% of harmful substances larger than 0.01 microns, including suspended solids, bacteria, colloidal substances, and proteins. Coconut shell carbon and PP cotton effectively reduce chlorine, sediments, heavy metals, encapsulated substances, odors, rust, and particulate matter in water.

For questions or comments please visit our website at:

**[www.weisswasser.com](http://www.weisswasser.com)**

For technical support contact us at:

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