

hydrogen
water
filters™
Water
is
source



INSTALLATION MANUAL

Under-Sink Water Filters

Model: USF-H600

Basic Requirements For Hydrogen Water Machine & Smart Faucet Installation

1. Tools required for installation:

1. Impact drill & 2 drill bits sizes M6 and M22
2. Wrench [16mm, 14mm, 12mm openings]
3. 1 pair of long-nosed pliers
4. 1 pair of scissors
5. 1 Phillips/star screwdriver & 1 flat-head screwdriver

The above tools are required for standard installation. Special tools may be required for non-standard circumstances.

2. Key Installation Factors:

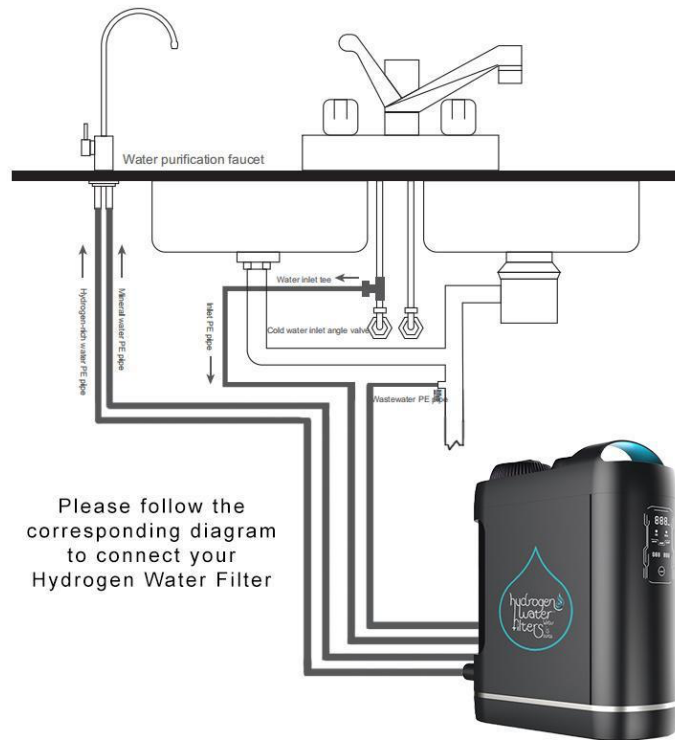
It is generally recommended to install Water Filter Machines in the kitchen. In household and commercial kitchens, the machine can be placed against the side of the under-sink cabinet, ensuring that the water pipes are unobstructed. When installing, please make sure to: (i) ensure the water inlet valve is in the 'closed' position, (ii) disassemble the water pipe to the original faucet, (iii) connect the tap water to the water inlet marked on the water purifier, (iv) and connect the water outlet pipe marked on the water purifier to the water outlet. Connect the Smart Faucet's water inlet to the water filter's pure water outlet as the water source that feeds the Smart Faucet. During the installation process, the male connector threads of the T-fitting should be generously wrapped with PTFE tape (in a clockwise direction) to ensure that when securely tightened, all connections are leak-proof.

3. Included Products and Components Pack For installation:

1. Hydrogen Filter Machine
2. ROCB & PCBA Filter Cartridges
3. TDS display Smart Faucet
4. Faucet attachment (under-counter)
5. T-connector (3-way threaded fitting)
6. PTFE tape
7. Two 'quick-connect' Nozzles
8. Two PE tubes
9. Waste-water Seal clamp (optional use)
10. Power supply cable (region specific)
11. Installation Manual



4. Installation diagram of Hydrogen Water Filter



Please follow the
corresponding diagram
to connect your
Hydrogen Water Filter

Installation Method

BEFORE COMMENCING: Ensure you have the necessary tools and accessories. Do not switch on the power or open the water inlet valve before installation.

Step 1: Check the location/position of the water inlet tap/valve

- 1.1 Ensure there is sufficient space in your under-sink cabinet for your Water Machine to be practically situated for ease of installation and accessible for future cartridge replacement.
- 1.2. In a household kitchen, utility room, and bathroom, water sinks and basins use hot and cold water pipes to supply water. Select the cold water pipe for your Hydrogen Water Machine during installation (Municipal tap water) water supply (see Figure 1).
- 1.3. Position the whole machine normally (see Figure 2).



Figure 1



Figure 2

Step 2: Water Inlet Three Way Unboxing and Installation Tips

2.1. Remove the Water Inlet T-connector from the Accessories Pack.



Water Inlet T-Connector

Water Inlet T-connector:

2.2. Make sure the washer (black or white) is properly in place. (Refer to the image on the right).



2.3. Attach the water inlet T-connector to your mains water-inlet pipe under your sink and securely tighten it.



Top Tip: Wrap each of the threaded connection points with the plumbing tape provided in the Components Pack (refer to the images above) to ensure connections are watertight. Should you notice any water drips or leaks, you may want to contact your plumber.

Step 3: Faucet Installation

3.1. The faucet base is 25mm in diameter. Choose the most practical position for your Smart Faucet, usually installed directly opposite the position of your municipal tap on your sink. Select the most convenient position for pouring your drinking and cooking water, washing vegetables, and other foods. To create a suitable cut-out in your countertop, use a circular (25mm) drill bit, then proceed to the next step.

3.2. Assemble all the 'above-counter' components (see Figures 3 and 4).

3.3. Place it into position in the newly drilled cut-out.

3.4. Securely tighten the water connection and connect all the tubes (see Figure 5).



Figure 3



Figure 4



Figure 5

Step 4: Machine Installation

4.1. Position your Hydrogen Water Filter on the base of the cabinet and identify each of the valves and inlet/outlet holes on the back corresponding to its intended purpose, as illustrated below (see Figure 6).

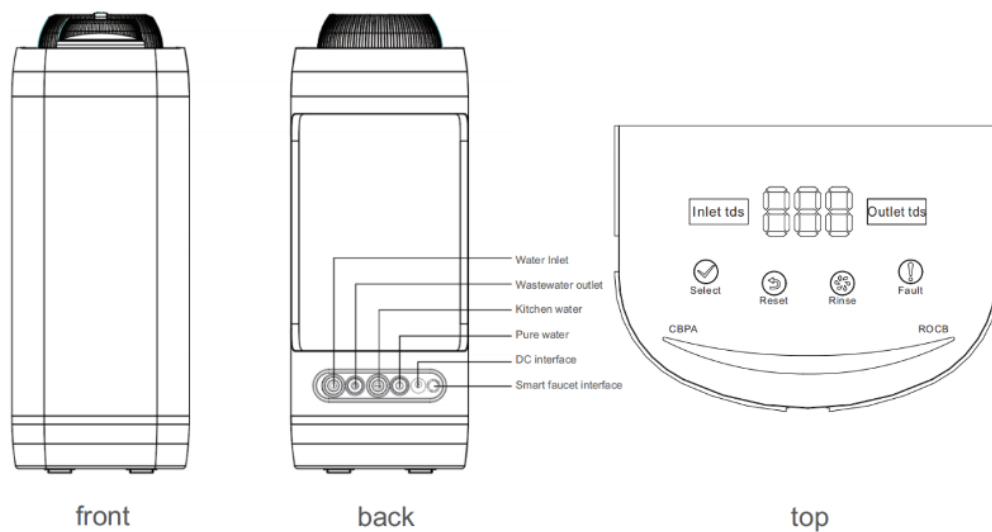


Figure 6

4.2. Check the inlets and outlets; the nozzles are protected by white caps (see Figure 7). Each nozzle has a coloured pin or clip attached to it, which you can easily remove (see Figure 8). Then, grip and hold the plug to locate the ring behind it - press the ring using your nail or fingertip. To successfully remove the plug, you will need to continually press and hold the ring.



Figure 7



Figure 8

4.3. Next, take the two large rolls of PE tubes (2 points and 3 points, see Figure 9).

4.3.1 Cut these to the appropriate length to suit your own length requirements (Tip: cut both rolls of pipes in half).

4.3.2 Attach the appropriate size tube over the corresponding nozzle (see Figure 10).



Figure 9



Figure 10

4.4. Begin by connecting the tubes from left to right.

4.4.1 In the majority of configurations, the water inlet connection will be the left tube and connects to the mains water inlet pipe from your mains water supply in the T connector (see Figure 11)

4.4.2 The tube (second from the left) connects directly to the waste/outlet water pipe in your sink U-bend.



Figure 11



Figure 12

4.5. Your existing under-sink waste-water U-bend pipe may already be configured with a single or double waste-outlet waste trap, capped and ready for connecting various appliances (e.g., washing machine and dishwasher).

4.5.1 However, if the under-sink U-bend waste connections are already in use, you could simply create a hole in the existing waste-water pipe (see Figure 12) using a 7mm drill bit. Then, attach and tighten the plastic wastewater sealer (see Figure 13) provided in the Components Pack around the pipe, and insert the water outlet tube into place (see Figure 14).



Figure 13



Figure 14

4.5.2 Connect the tube to the 'quick connect' nozzle second from the right (see Figure 15), and feed the other end of the tube directly up through the base of the threaded sink faucet fitting and connect it to the blue pipe of the faucet (see Figure 16)



Figure 15

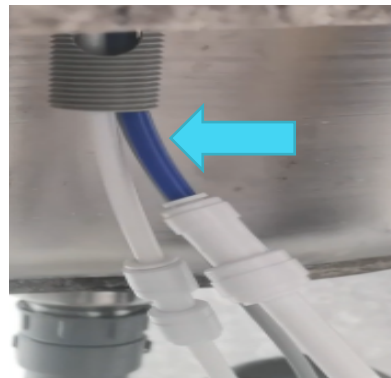


Figure 16

4.5.3 Connect the tube to the rightmost 'quick connect' nozzle (see Figure 17) and feed directly in through the base of the threaded sink faucet fitting and connect to the white pipe of the faucet (see Figure 18).



Figure 17



Figure 18

4.5.4. Insert the power cord/data wire of the smart electronic faucet into the device interface (see Figure 19). Ensure the wire is correctly connected, and watch the pins.



Figure 19

Step 5: First Rinse

1. Once you have completed the installation of both the faucet and Hydrogen Water Filter, connect the power supply cable provided to the power source. Next open the inlet valve to turn on the water supply. Ensure the machine undergoes its first rinse for 30 minutes. Some models may initiate this step automatically. If not, press the rinse/wash button to start the rinse process. After the 30-minute rinse, you can begin using the machine normally.

2. Turn on the faucet in both backward and forward positions. When the TDS display lights up, this denotes the position for hydrogenated water. Therefore, in the opposite position the faucet will dispense regular municipal water. By default, the program provides kitchen water in the forward position and hydrogenated water in the backward position if everything is connected correctly.

Step 6: Congratulations

Mission Complete! Your Hydrogen Filter Machine & Smart Faucet are now ready to use. We wish you many years of Happy Healthy Hydrogen Hydration!

For any issues requiring assistance, please rewatch our Installation Video. If issues persist, contact your plumbing professional or our technical support team and provide a detailed description of the issue for better assistance.