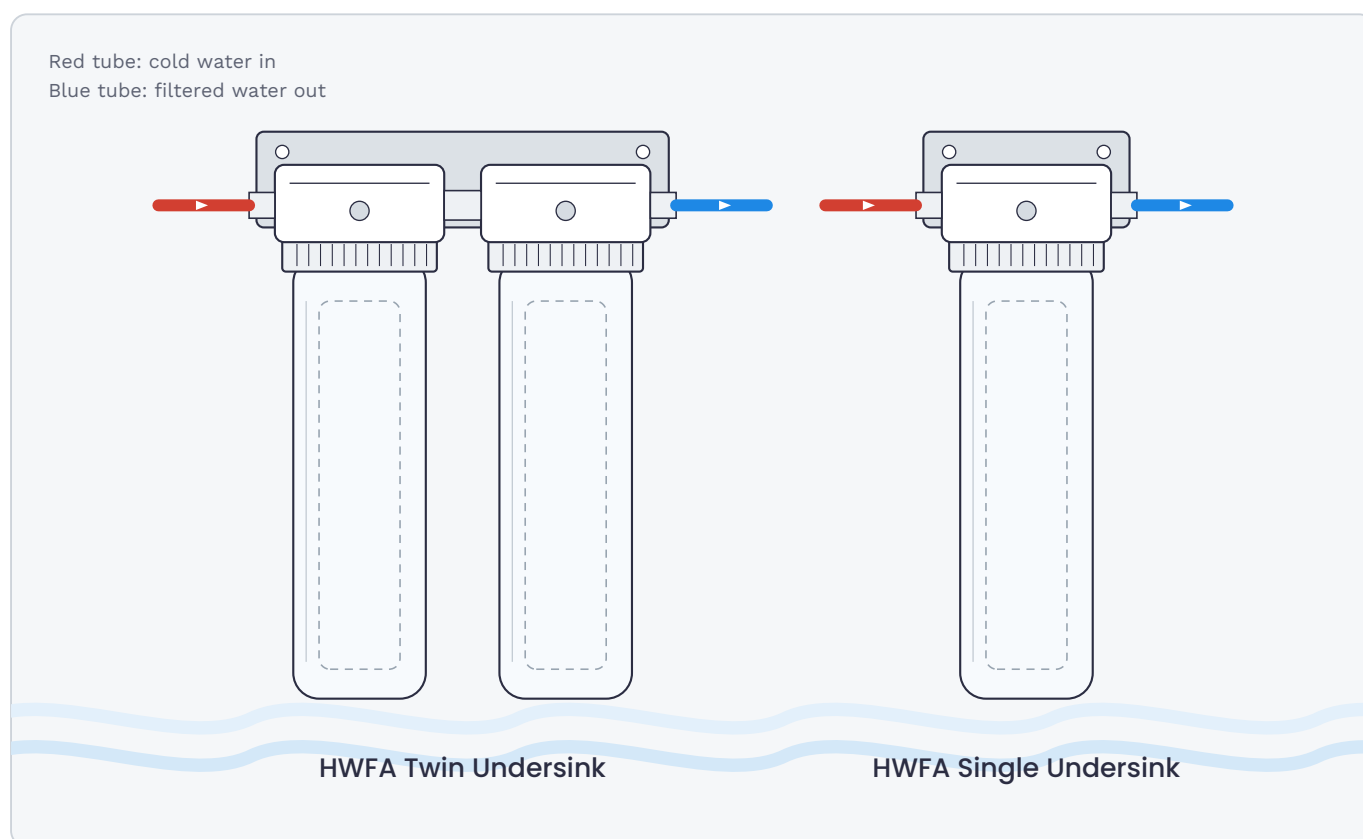


Undersink Water Filter System Installation Guide

Suitable for HWFA Single & Twin Undersink Systems



Please read carefully before you begin

Read through all six steps and check the parts list before starting. Installation must be made on the **cold water line only**. Keep this guide handy for future servicing and cartridge changes.

Inside this guide

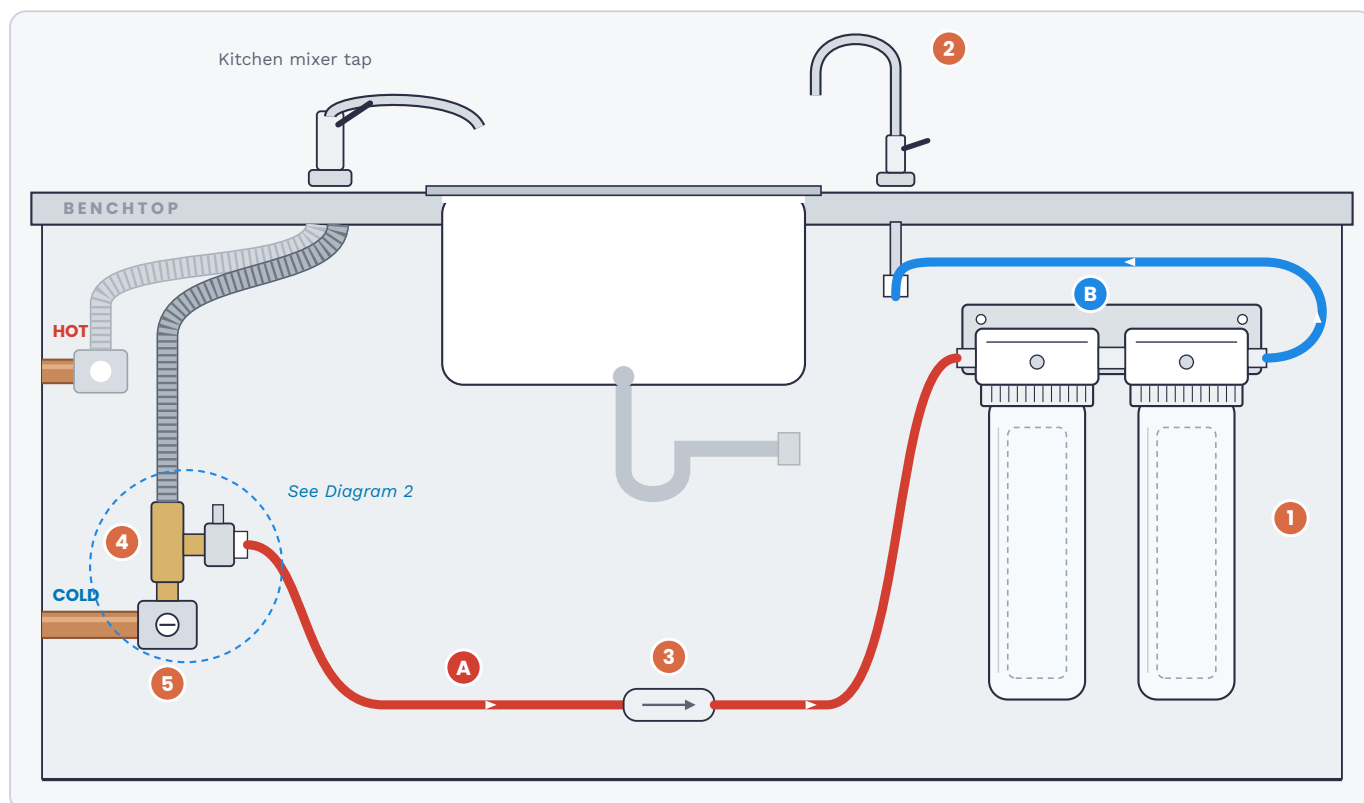
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BEFORE YOU START

System Overview

Thank you for choosing a Home Water Filters Australia undersink system. This guide covers both the **HWFA Single** and **HWFA Twin Undersink Water Filters**. The installation steps are the same for both units, and any differences are noted along the way. With everyday tools and a little patience, you can complete the installation yourself, step by step.

DIAGRAM 1 Complete system layout



Twin system shown. The single system connects in exactly the same way, with one filter housing.

Components checklist

- ☐ 1 Filter housing assembly (single or twin) with mounting bracket and screws
- ☐ 2 Chrome dedicated faucet and fitting kit
- ☐ 3 Pressure limiting valve (PLV)
- ☐ 4 1/2-inch female / male brass tee piece with feed water valve
- ☐ 5 Cold water ministop valve (existing, under your sink)
- ☐ A Red 1/4-inch inlet tubing
- ☐ B Blue 1/4-inch pure water outlet tubing
- ☐ Collet locking clips (red and blue)

Tools you will need

- Adjustable spanners (two are handy)
- Electric drill with a small pilot bit and a 12 mm (1/2-inch) metal bit
- Centre punch and hammer
- Flat-blade and Phillips screwdrivers
- Sharp utility knife or plastic tube cutter
- Tape measure and pencil
- Torch, bucket and old towels



Plumbing requirements

Connections to your drinking water supply must comply with local plumbing regulations. If you are unsure, please engage a licensed plumber.

1 STEP 1 Positioning the Housing

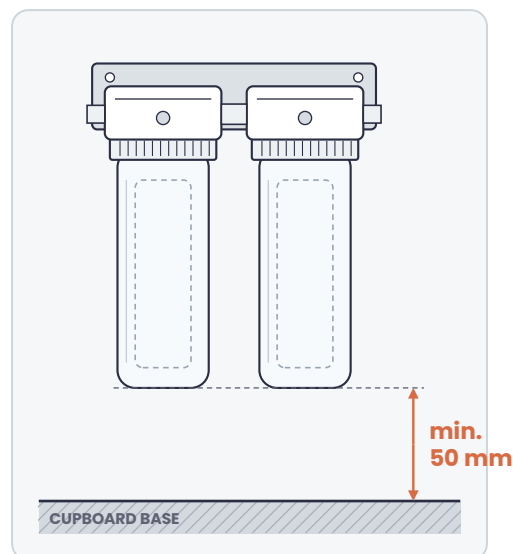
Choose a spot inside the sink cupboard that is easy to reach, so that future cartridge changes are quick and simple. Think about where the tubing will run, both to the cold water supply and up to the faucet, and keep the system clear of the sink waste and any power points.

Wall mounting

Hold the mounting bracket against the side wall of the cupboard and mark the screw holes. Allow **at least 50 mm clearance below the filter housings** so they can be unscrewed and removed when servicing. Fix the bracket in place with the self-tapping screws provided.

Free-standing

The system may also stand freely on the cupboard base. Make sure it sits level and stable, and that the tubing is not pulling on the fittings.



Allow clearance below for servicing.

i Tip

Leave a little slack in the tubing so the unit can be eased forward when it is time to change the filter cartridges.

2 STEP 2 Water Supply Shut-Off



COLD WATER LINE ONLY

This system must be installed on the **cold water line only**. Connecting it to the hot water supply will damage the filter cartridges and housings and may cause leaks.

Identify the cold water supply

Locate the ministop valve on the cold water line under your sink (see Diagram 1, item 5). Not sure which pipe is which? Turn on the hot water at the kitchen tap. Once the water runs warm, carefully feel the pipes under the sink: the one that stays cool is your cold supply.

Close the ministop and drain the line

1. Turn the cold water ministop clockwise until it stops. Some ministops need a flat-blade screwdriver.
2. Open the cold side of the kitchen tap to release the pressure and drain the line.
3. When the flow stops completely, the line is isolated. Keep a bucket and towel nearby for any remaining water.



No ministop under the sink?

Turn off the main water supply at the meter before continuing.

3
STEP 3

Plumbing Connection

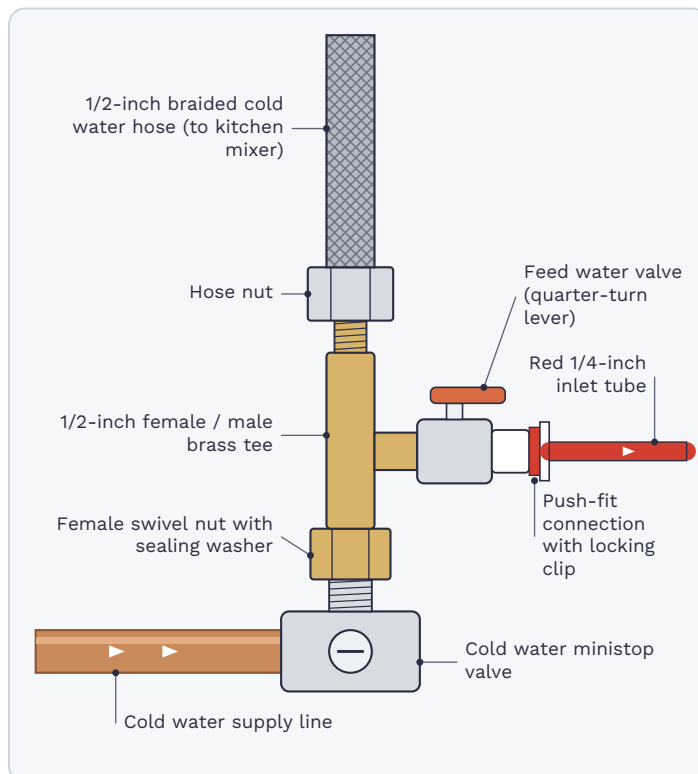
In this step you fit the brass tee piece between the cold water ministop and the braided hose that feeds your kitchen tap. Refer to Diagram 2.

1. Place a towel under the work area. Using an adjustable spanner, unscrew the braided hose from the outlet of the cold water ministop.
2. Check that the sealing washer is seated inside the female (lower) nut of the tee piece.
3. Screw the tee onto the ministop outlet. Tighten by hand, then a further quarter turn with a spanner.
4. Re-attach the braided hose to the male (upper) thread of the tee. Tighten firmly, but do not over-tighten, as this can damage the washers.
5. Make sure the feed water valve on the side of the tee is in the **closed** position before you go any further.

i Tip

Hold the ministop body steady with a second spanner while tightening, so the valve does not twist on the pipe.

DIAGRAM 2 Tee piece & valve detail



Planning your tubing run

Red inlet tube (A): runs from the feed water valve on the tee, through the pressure limiting valve, to the filter inlet.

Blue pure water tube (B): runs from the filter outlet up to the dedicated faucet.

Measure each run before cutting and follow gentle curves along the cupboard walls.

Pressure limiting valve (PLV)

The PLV protects your filter system from high mains pressure. Fit it into the red inlet tube, close to the filter, with its flow arrow pointing **towards the filter**. It connects with the same push-fit method described in Step 4.

i
Avoid kinks and sharp edges

Keep tubing away from sharp cupboard edges, hot pipes and the sink waste, and avoid tight bends that could kink the tube and reduce flow.

4
STEP 4

Tubing & Push-Fit Connections

Your system uses quick-connect push-fit fittings, often called John Guest style fittings. No tools are needed: the tube is simply pushed in by hand and locked with a coloured clip.

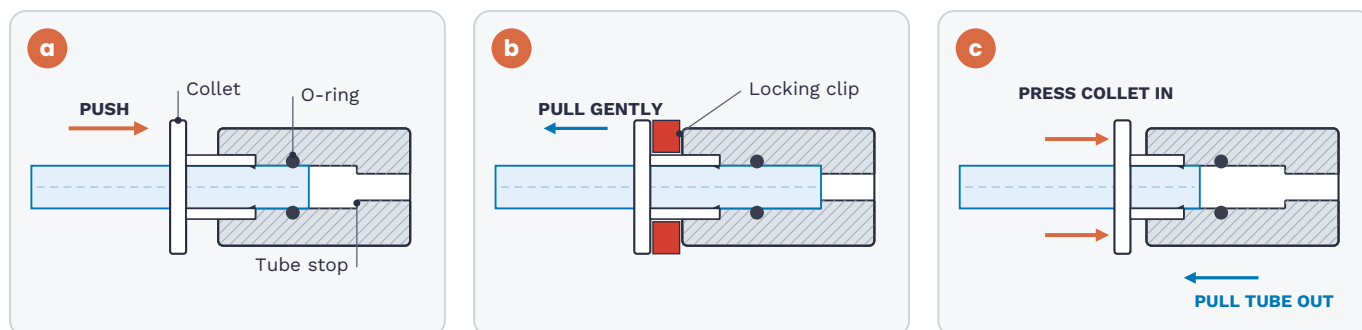
Preparing the tubing

Where possible, leave the tubing long rather than cutting it to an exact length. Cut the tube straight and square with a sharp knife or tube cutter. The end must be clean, round and free of burrs or scratches so the O-ring can seal.

Releasing a connection

Remove the locking clip. Press the collet squarely against the fitting body with two fingers and, while holding it in, pull the tube out. Re-cut the tube end before reconnecting.

DIAGRAM 3 Quick-fit push fitting guide



Insert. Push the tube firmly into the collet, past the O-ring, until it reaches the tube stop.

Lock. Pull back gently on the tube to set the collet teeth, then push the locking clip into place.

Release. Remove the clip, hold the collet in against the body and pull the tube out.

Connection map

Connection	HWFA Single	HWFA Twin
Red 1/4-inch inlet tube (A)	Feed water valve to PLV, then PLV to the housing inlet (IN)	Feed water valve to PLV, then PLV to the pre-filter inlet (IN)
Blue 1/4-inch pure water tube (B)	Housing outlet (OUT) to the dedicated faucet	Post-filter outlet (OUT) to the dedicated faucet
Locking clips	Red clips on the inlet side, blue clips on the outlet side	Red clips on the inlet side, blue clips on the outlet side



Check the flow direction

Look for the IN and OUT markings or flow arrows on the filter head before connecting. On twin systems, the pre-filter and post-filter are linked across the filter head, so you only need to make the inlet and outlet connections.

5
STEP 5

Faucet Installation

Choose the location

The faucet can be mounted on any flat surface more than 50 mm in diameter, on the sink deck or the benchtop. Check underneath first for cross-bracing, pipes or the sink bowl, and make sure the blue tube will reach the filter outlet.

Drill the hole

1. Mark the centre and make a small indent with a centre punch so the drill bit does not wander.
2. Drill a pilot hole with a small metal drill bit.
3. Enlarge the hole to **12 mm (1/2-inch)**, then remove any burrs and wipe the area clean.



Stone & ceramic benchtops

Drilling stone, engineered stone or ceramic creates hazardous silica dust and needs specialist diamond tooling. We recommend using a qualified stone professional.

Assemble the faucet

Stack the parts in the order shown in Diagram 4.

Above the bench: faucet body, small rubber washer or O-ring, chrome escutcheon plate, then the black rubber washer.

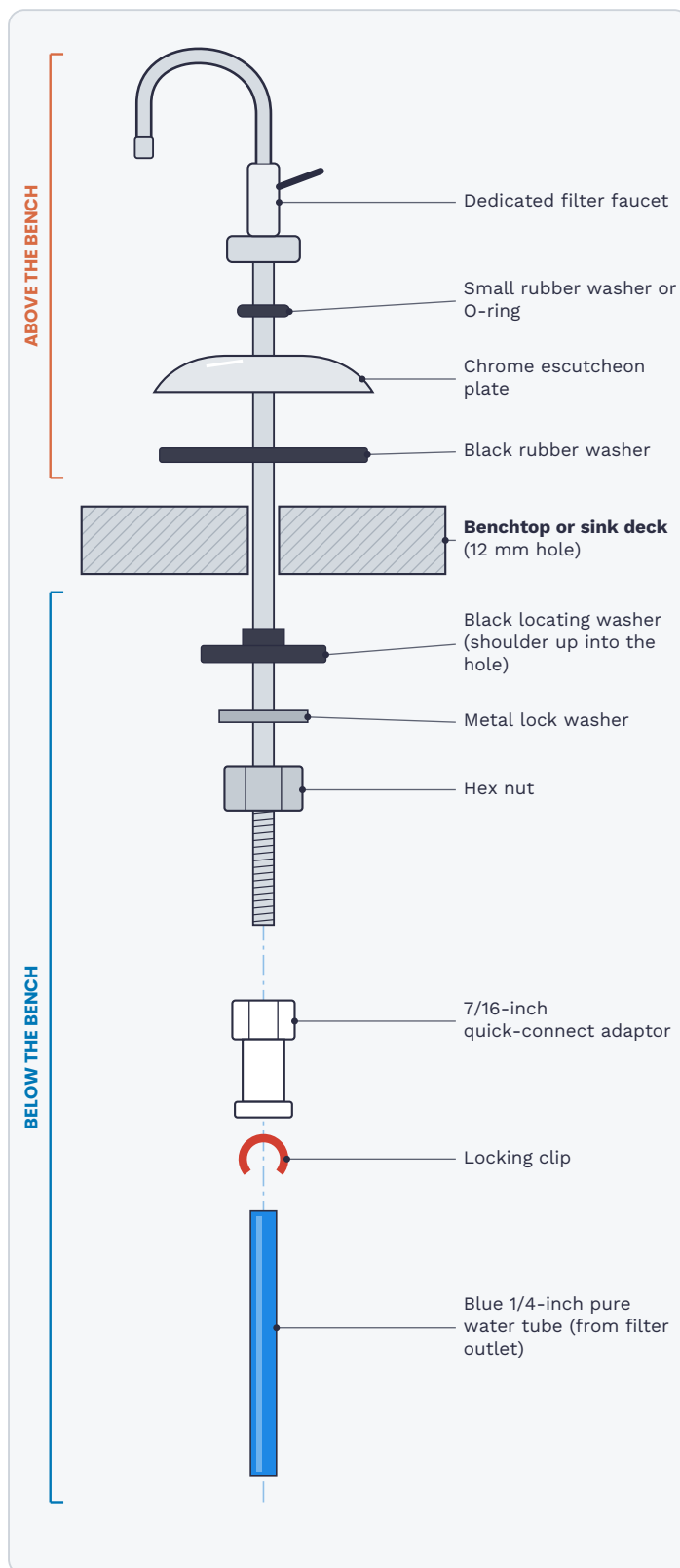
Below the bench: black locating washer, metal lock washer, then the hex nut.

Point the spout over the sink and tighten the hex nut firmly by hand, then a gentle nip with a spanner. Do not over-tighten.

Connect the tubing

Screw the 7/16-inch quick-connect adaptor onto the faucet shank, hand-tight plus a quarter turn. Push the blue tube into the adaptor and fit the locking clip. Some kits use a direct push-fit connector instead, which connects in the same way.

DIAGRAM 4 Faucet assembly, exploded view



6
STEP 6

Commissioning & Flushing

Almost there. Bringing the system online slowly lets trapped air escape and gives you a chance to check every joint.



1. Slowly open the cold water ministop. Check the tee and braided hose joints for leaks.
2. Turn the dedicated filter faucet to the **ON** position first.
3. Slowly open the feed water valve on the tee. Air in the system will escape through the faucet, so expect some spluttering at first.
4. Inspect every push-fit joint, the PLV and the filter head for leaks. If you see a drip, close the feed water valve and re-make that connection (Step 4).
5. Let the water run for **3 to 5 minutes** to flush the new filter cartridges. The water may look cloudy or slightly discoloured from fine carbon particles and aeration. This is normal and clears quickly.
6. Turn off the faucet and let the system rest for **2 to 3 hours**, then check again for leaks.
7. Run a final **2-minute** flush. Your system is now ready to use. Enjoy your filtered water!



Cloudy water?

Fill a glass and let it stand. If the cloudiness clears from the bottom up, it is just tiny air bubbles and is completely harmless. We also suggest checking all joints once more after 24 hours.

Troubleshooting

Problem	Likely cause	What to do
Leak at a push-fit joint	Tube not fully inserted, or the end is not cut square.	Close the feed valve, release the tube, re-cut it square and push it in fully. Refit the clip.
Leak at the tee or hose nut	Washer not seated, or nut not tight.	Turn off the ministop, check the washer and re-tighten. Do not over-tighten.
Low or no flow from the faucet	Feed valve or ministop not fully open, or tubing kinked.	Open both valves fully and check the tubing run for kinks.
Spluttering from the faucet	Air still in the system.	Normal after installation. It settles after flushing.

OPTIONAL ACCESSORY

Leak Stopper & Smart Filter Life Monitor

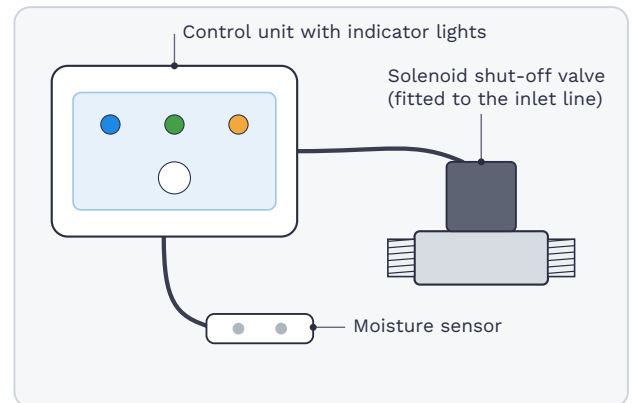
Available separately for both the HWFA Single and Twin Undersink systems, this accessory adds an extra layer of protection and takes the guesswork out of cartridge changes.

Leak Stopper

When the moisture sensor detects water, an alarm sounds and the solenoid valve shuts off the water supply to the filter system. The leak warning light flashes blue, and the alarm continues until the unit is manually reset.

Smart Filter Life Monitor

A built-in timer tracks cartridge life and the indicator light changes colour as your cartridges approach their replacement date, so you always know when it is time for a change.



Install following the instructions supplied with the unit.

Care & maintenance

- Replace the filter cartridges at the interval recommended for your cartridge type. If you are unsure, our team is happy to advise.
- Each time you change a cartridge, check the O-rings and push-fit joints, then flush the system as in Step 6.
- Keep the cupboard dry and check the area under the sink for moisture from time to time.

MY SYSTEM RECORD

System: Single / Twin

Installation date _____

Last cartridge change _____

Next cartridge change due _____

Need a hand?

Our friendly Australian support team is here to help with installation questions, replacement cartridges and accessories.

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