ALKAWAY®
THE ALKALINE WATER SPECIALISTS



ALKAWAY ultrastream®

Undersink Installation

Congratulations on choosing the AlkaWay Undersink Kit for your UltraStream water filter system.

Follow the steps in the manual and you'll have clean, pure filtered alkaline water and an uncluttered benchtop.

We have designed our Undersink Kit to be fully compatible with the UltraStream Benchtop unit.

Features

- Quick Connect attachments for simple installation.
- Ceramic faucet valves.
- Vented faucet design.

Quick Connect Tips

Familiarize yourself with 'Quick Connect' connection. These are special patented connection tools that allow ultra-simple connection of tubes. To attach a tube, all you need to do is push the tube into the fitting.

To remove, all you need do is push on the collet (ring) around the tube using the Quick Connect Spanner (or your fingernails), then pull on the tube to remove it.

It's important to ensure the end of the tube is cut cleanly and at right angles.



Scan code for installation video

Important Information

We strongly encourage you to read the manual carefully and keep a copy of this manual for future reference.

AlkaWay is not liable nor responsible for any damage resulting from user installation contrary to instructions in this manual.

Molecular Hydrogen Production 'The Drip'

Your UltraStream may initially drip or spurt for short time after install. This is the result of the molecular hydrogen being created by our special O-Dobi alkalizing media as it reacts with water in your UltraStream. This is part of the normal settling in process.

If you decide that you cannot handle the initial dripping before installing the UltraStream, you can return your unused unit. *(Only valid within 30 days of purchase. Must be in new condition).*

The UltraStream Filter Life

We tested the UltraStream in a university laboratory up to 3600 litres (950 gallons). Under typical municipal water quality standards, this is more than enough for a family of four who each consume 2 litres per day. We advise changing the filter after 3,000 litres (or 800 gallons) or 12 months, whichever comes first.

Warranty

A 3-Year warranty is provided by AlkaWay Australia.

We cannot guarantee 12 months or 3000 litres (800 gallons) filter life. All water filters are dependent upon the quality of your source water and will fail if excessive contaminants and sediment enter the filter (Unless there is a manufacturer defect).

When installing your UltraStream, please remain in compliance with this manual to maintain your warranty.

You must use a vented faucet for all undersink installations. Failure to do so will **void your warranty**.

This warranty does not apply to any commercial or industrial installations or to any part of the water conditioner which has been subjected to misuse, neglect, alteration or accident; or to any damage caused by fire, flood, freezing, Acts of God, or any other casualty.

Safety Tips

Do not run hot water through your UltraStream.

UltraStream is not designed for use by young children without responsible adult supervision.

UltraStream is constructed of EPA approved BPA-free plastics. All media and materials used are US and EU approved.

Detox Effects

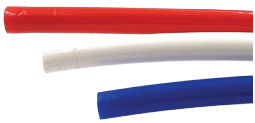
Some new drinkers to UltraStream water may experience a range of detox like symptoms. Most common are body aches, headaches, fogginess or skin conditions. If symptoms persist contact your medical practitioner as drinking UltraStream water is perfectly safe and should have no long term adverse effects.

Once you become a regular drinker you may experience a wide range of positive effects.

What you will need (other than what's in this kit)

- Electric Drill.
- Metal Hole Saw - 30mm-32mm for stainless steel sinks.
  For stone benches we recommend contacting an expert.
- Masking Tape.
- Rasp, Metal File or Sand Paper.
- Ajustable spanner

Undersink Kit Contents



3x 1/4" Plastic Tubes
(1.2 meters each)

Vented Faucet



Size Converter



PLV
(Pressure Limiting Valve)



Quick Connect Spanner



Metal Inlet Tubes
(3 lengths: short, medium and long)



Cold Water Connector
(Angle Stop Valve)



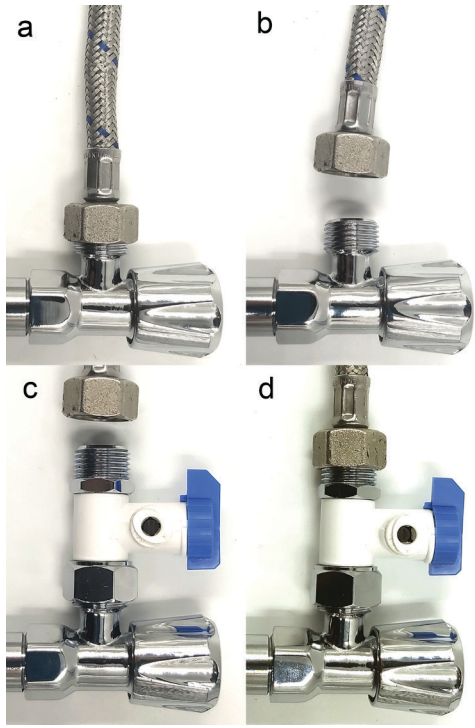
Faucet Nut
(Comes on faucet)



Black Washer
(Comes on faucet)

1. Cold Water Connection

1. Turn off the cold-water supply by the shut-off valve below the sink or at the house water mains.
2. After shutting off the water, open the kitchen faucet to drain out the remaining water in the line. Optional, turn on a garden tap to drain the water line.
3. Place a container under the shut off valve to capture any water left in the system.
4. Disconnect the cold-water line by unscrewing the braided tube nut (see images a and b).
5. Install the cold-water connector (the Angle Stop Valve). Ensure it's in the OFF position, as shown in images c and d).
6. Reconnect the cold-water line (the braided tube) by screwing on to the installed cold-water connector.



2. Vented Faucet Hole

1. Cut out the drilling template image.
2. Before drilling place tape on the surface where the hole will be drilled.
3. Choose a location on the sink or benchtop where the UltraStream vented faucet spout may flow into the sink both when it is on and when it is off.
4. Centre mark the hole.
5. Drill the hole (NOTE: Always use an expert when drilling into stone or marble benchtops).
6. Remove sharp edges and deburr the hole. This is to protect your hands and the tubes when feeding the tubes through the hole.

3. Install metal inlet tubes

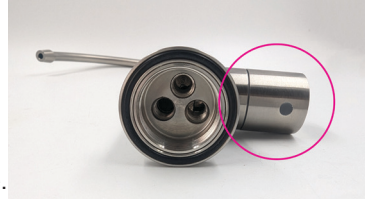
1. First, unscrew the faucet nut. Then remove the faucet nut and black washer and put aside.



2. Unscrew the tube nut from the three **Metal Inlet Tubes**.



3. Lay the faucet flat on a table, with the tap handle facing to the right, as shown. Now looking at the threaded holes in the bottom of the faucet;
   - The **top hole** is for the **shortest** metal inlet tubes.
   - The **bottom right** hole is for the **medium** sized metal inlet tube.
   - And the **bottom left** is for the **longest** metal inlet tube.



4. Screw in the **shortest Metal Inlet Tube** into the top hole by hand.



5. Position the spanner on the hex section on the Metal Inlet Tubes to tighten.



6. Next screw in the **medium-sized Metal Inlet Tube** tube into the bottom right hole by hand, then tighten with a spanner.

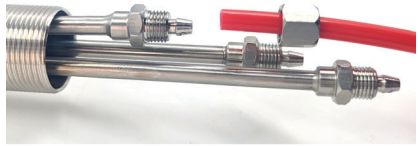


7. Finally screw in the **longest Metal Inlet Tube** into the bottom left hole by hand, then tighten with a spanner.

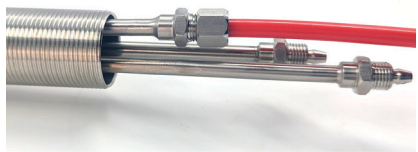


Note: For clarity, images are shown without the larger threaded tube.

4. Install tubes to faucet









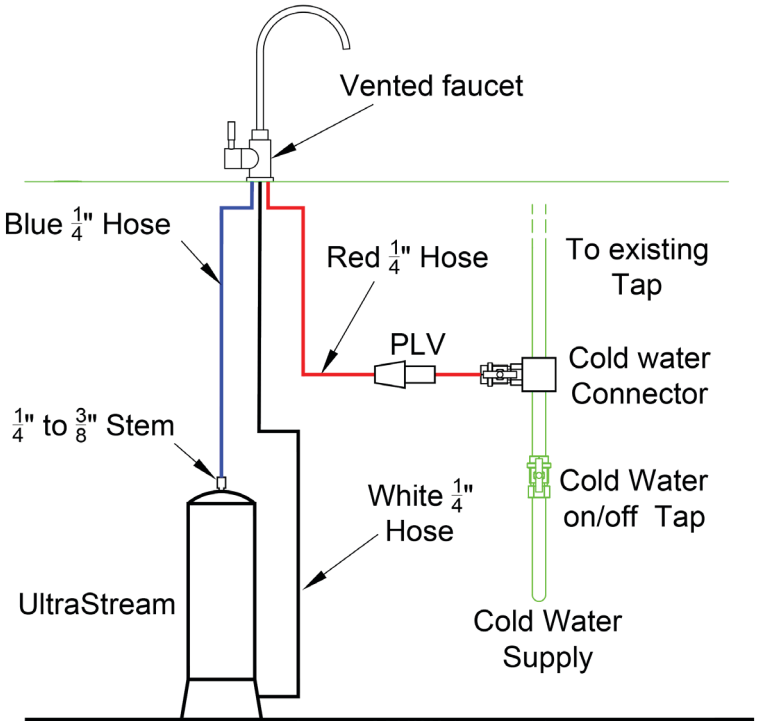
1. Attaching the ¼” plastic tubes.
   a. The **RED** tube connects to the **SHORTEST** Metal Inlet Tube (high pressure line **MUST** be red hose).
   b. The **WHITE** tube connects to the **MEDIUM** length Metal Inlet Tube.
   c. The **BLUE** tube connects to the **LONGEST Metal** Inlet Tube.
2. Attached the different coloured tubes. Start with the RED tube, which is attached to the shortest Metal Inlet Tube connector. Slide the tube nut onto the ¼” tube. Then push the end of the tube onto and over the flared section of the connector and re-screw on the nut.
   Soaking the end of the tube in hot water will make it easier to push the tube on.
3. Repeat for the other coloured tubes (as stated in step 2 above).

5. Insert/feed the tubes carefully into the drilled hole. If the hole is in a stainless-steel sink, take care not to cut or scratch the ¼” plastic tubes as they are fed into the hole.
6. Feed the black washer and faucet nut under the sink over the tubes and back onto the threaded tube. And then tighten.



Note: You can cut the tubes to be shorter if you like, but we recommend leaving them long enough to pull the UltraStream unit out of the cupboard to change the filter.

Installation Schematic



6. Install Pressure Limiting Valve (PLV).

1. Cut about 200mm (7 to 8”) off the red tube (cleanly cut the tube at right angles ensuring no burrs).
2. Insert one end of the tube into the quick connect of the cold-water connector.
3. Insert the other end into the PLV, ensuring the flow arrow is pointing away from the cold-water connector.
4. Connect the red tube coming down from the faucet into the other end of the PLV.









7. Connecting UltraStream Unit

(see Quick Connect Connector Instructions page 2)

1. Lay the UltraStream onto its side.
2. Feed the white tube through the hole in the side of the base, then insert it into the quick connect inside the base.
3. Turn the unit upright and insert the size converter in the quick connection in the top of the UltraStream.
4. Insert the blue tube from the faucet into size convertor quick connection.



Leak Testing

1. Make sure cold water connector tap is turned off.
2. Turn water ON at mains or shutoff valve.
3. Turn on cold water connector tap and look for any leaks on the red tube. If leaking, turn off the water. Check that the leaking tube is firmly inserted into the conector. If there is still a leak, remove the tube from the Quick Connection and re-cut the end of the tube.
4. Next turn ON the UltraStream faucet and check for leaks on the yellow and blue tube connections.

Testing pH

How to test the pH of your water.

1. Add 2-3 drops of pH reagent to 30ml of water to be tested.
2. Mix well.
3. Compare the final colour of the solution to the enclosed colour chart to get your reading (It's a good idea to use a white background).
4. pH Color Readings pH<7 Acidic, pH=7 Neutral, pH>7 Alkaline.

Setting the Flow Rate

How to get the correct water flow rate from your UltraStream.

1. Use the tap on the cold-water supply to control the flow rate.
2. A ¼" turn on the tap will adjust the flow from Fully On to Off.
3. Visually watch the flow from the faucet while adjusting the tap. Once you have a moderate stream of water from the faucet. Record the time it takes to fill up a 1 Liter (0.25 Gallon) bottle. If it is between 30-60 seconds then the flow rate is now set to between 1-2 Liters per minute or 0.25-0.5 Gallons per minute.

Troubleshooting

Slow or No Water Flow

- Check the blue/white tap under the base of the UltraStream. Adjust the blue tap so that it is in-line with the inlet hose (the fully open position).
- Do you have any pre-filters attached? If so, remove the hose from the bottom of the UltraStream and make sure you are getting water flow.
- Make sure the hoses aren't kinked or twisted.
- If your UltraStream is slowly reducing in flow, it may be that it is nearing its end of use.
- Your filter might be blocked and needs to be replaced (high sediment water may require a special sediment pre-filter to preserve your UltraStream filter's life).

Leaking Water From Connectors

- Remove to tube for the Quick Connect connector and re-cut ends.
- Try pushing the tube further into Quick Connect fitting (see handy tips page 3).

UltraStream Spurts

- This is due to the hydrogen infused in the water. This water is the best to drink.

Dripping UltraStream

- When water is in contact with the filter media it creates molecular hydrogen in the water. Some hydrogen will leave the water as a gas when the filter is not in use, and this gas may push a little water out of the UltraStream, producing a drip. This drip will usually slow down and stop within a couple of weeks. Remember this is not a leak, it is simply an effect of excess molecular hydrogen production.

Leaking From the UltraStream Faucet

- Over time and repeated use, the faucet's internal mechanism may become loose. There is a simple fix. Visit our support page for a video on how it is done www.alkaway.com.au/support/.

No pH Reading

- You need to use liquid pH Reagent similar to what was supplied with your UltraStream. pH strips or Litmus paper will not give you a correct reading.
- pH Reagent might be out of date or stored incorrectly.
- It might be time to replace your filter.

Pre-Filters

Optional Extra's

Our pre-filters selection is specifically designed to provide an extra layer of protection for you and your family. We have shown our best-selling options below but there are many more options available online at www.alkaway.com.au. By incorporating this optional pre-filter, you can extend the lifespan of your UltraStream and improve the overall filtration efficiency (pre-filters sold separately).

Sediment areas –
Recommended for rainwater tanks and high sediment states like SA or WA. Simply install the sediment paper pre-filter in line with your UltraStream water filter system. Helps protect the filter from clogging up prematurely.



Extra Fluoride removal –
The UltraStream will remove up to 78% of fluoride, the fluoride pre-filter removes up to 75%-80% and together they will remove up to 95%-99% of the fluoride from your water.



Submicron Depth Filtration –
Manufactured using a proprietary, patented, electro-adsorptive media technology, are capable of removing submicron pathogens and inorganic contaminants through electro-adhesion and ion exchange.

