
UltraStream Twin 10" Undersink kit

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Item list: Note: Some Items may look slightly different to parts provided. This is due to product improvement.

Item	UltraStream Twin 10" Undersink Kit	QTY
1	10" UltraStream Filtration Filter (1) (pre-assembled)	1
2	10" UltraStream Alkalising and H2 Filter (2) (pre-assembled)	1
3	Waste Water Clamp (suit 40mm (1.57in) pipe)	1
4	Pressure Relief Valve (5 bar)	1
5	½ "Male x ¼" Tube Connector, Chrome	3
6	JG ¼ " Equal Tee Connector	1
7	Pressure Limiting Valve (PLV), 350kPa (50 PSI), ¼" quick connect ports	1
8	Cold water connector (Angle Stop Valve)	1
9	Z shaped bracket, White, suits ¼" (pre-assembled)	1
10	¼" x ¼" Nipple, Plastic with O-ring (pre-assembled)	1
11	pH Reagent Test Kit - Liquid	1
12	10" Housing, White (pre-assembled)	2
13	10" Opening Handle Housing (keep in a safe place)	1
14	JG, ¼" Tube x ¼" NPT, Straight Adaptor (pre-assembled)	2
15	Tube ¼" White High Pressure (in pre-cut lengths)	2m
16	SS Screws for 10" Housing Bracket (pre-assembled)	8
17	Teflon Plumbers tape	1
18	JG Spanner (keep in a safe place)	1
	Optional extras (sold separately)	
6	JG ¼" Equal Tee (Connect hose to fridge)	1
19	Filtered water faucet chrome plated	1

Typical Installation Schematics

3-Way Faucet Schematic

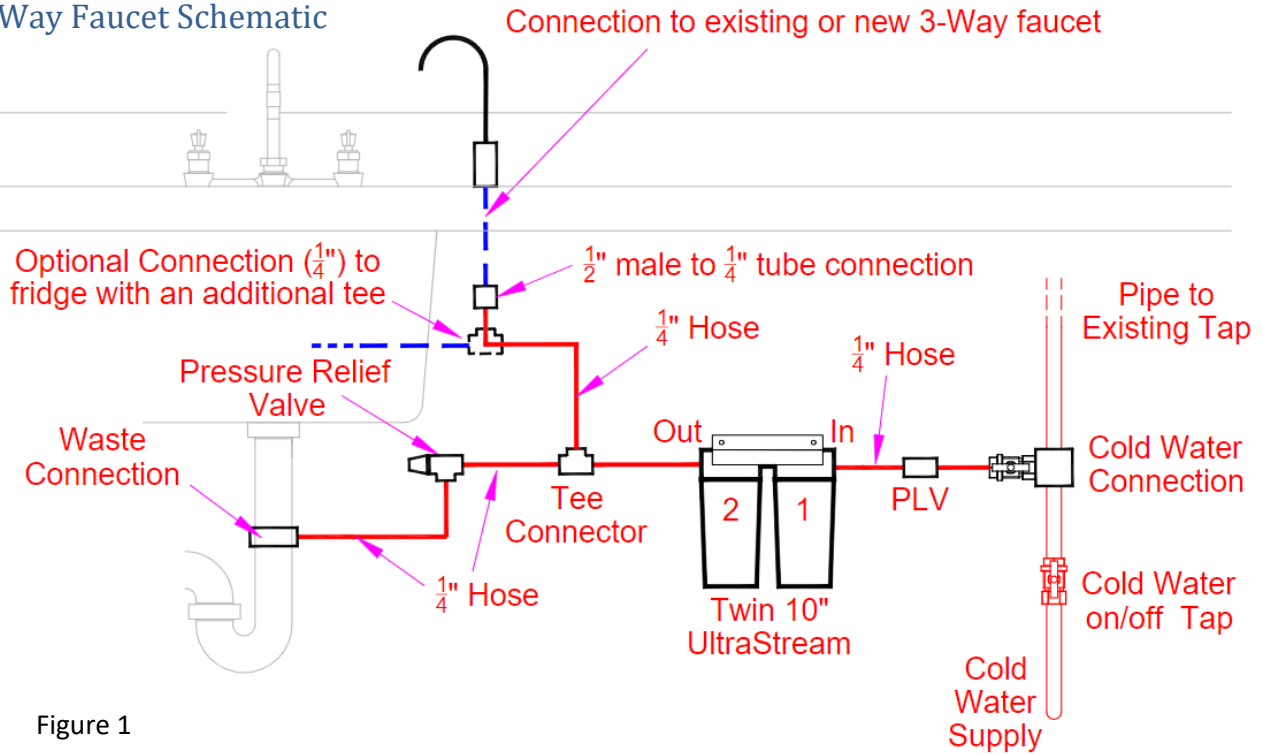


Figure 1

Standard Filtered Water Faucet Schematic

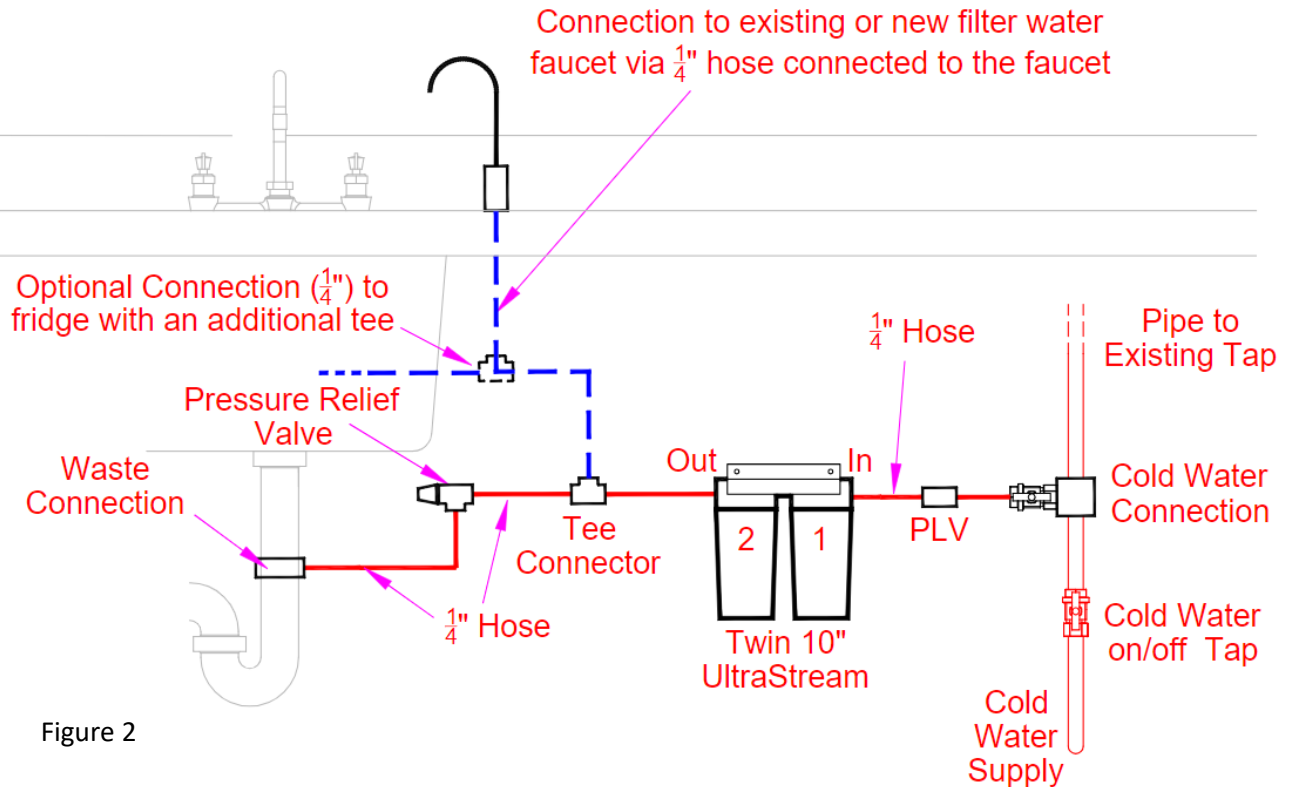
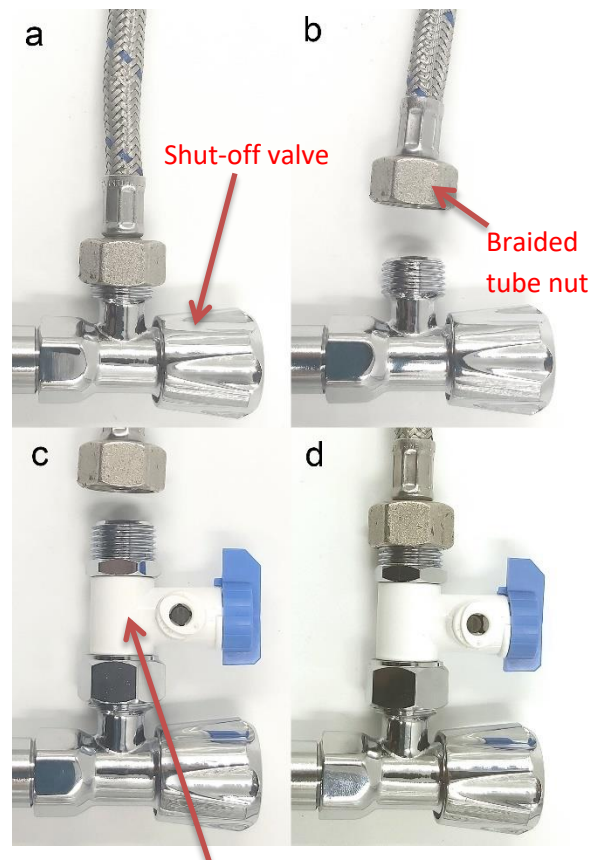


Figure 2

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) Item 8. Ensure it's in the OFF position, as shown in image c and d).
For other countries outside of Australia, there will be additional 3/8" connectors supplied. Use these to connect to the cold-water supply if needed.
6. Reconnect the cold-water line (the braided tube) by screwing on to the installed Cold-water connector.



Angle stop valve (item 8)

Installing the Pressure Limiting Valve (PLV)

1. Cut about 200mm off the 1/4" tube (item 15). Ensure cut ends are at right angles to the tube and the cut is clean.
2. Insert one end of the tube into the cold-water tap (item 8) by gently pushing it into place.
3. Insert the other end of the tube into the PLV (item 7) by gently pushing it into place. Check flow direction arrow is pointing away from the tap.



Filter and 10" Housing Bracket Assembly

1. Mount the Z shaped bracket assembly (item 9) to the wall (wall mounting screws not supplied).
Note: position the z shaped bracket and twin filter assembly high enough so that the 10" Housings can be unscrewed to replace the filters every 12 months.
2. Cut another length of ¼" tube (item 15) long enough to connect the PLV (item 7) and the 10" Housing (item 12) labelled **1 Filtration filter**.
3. Insert one end of the tube into the PLV (item 7) by gently pushing it into place. Then insert the other end into the 10" Housing (item 12) labelled **1 Filtration filter**.
4. Cut a 200mm length of ¼" tube (item 15).
5. Connect the filter assembly to the Equal Tee connector (item 6) by gently pushing one end of the tube into the Equal Tee connector and the other end of the tube into the filter assembly 10" Housing (item 12) labelled **2 Alkalisising & H2 Filter**.



Cold-water connector and z-shaped bracket shown may differ to the ones supplied.

Assembling the Pressure Relief Valve (PRV)

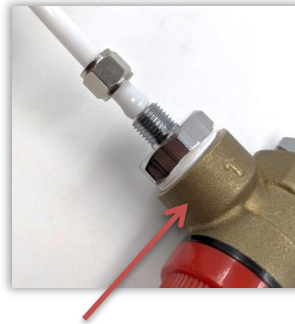
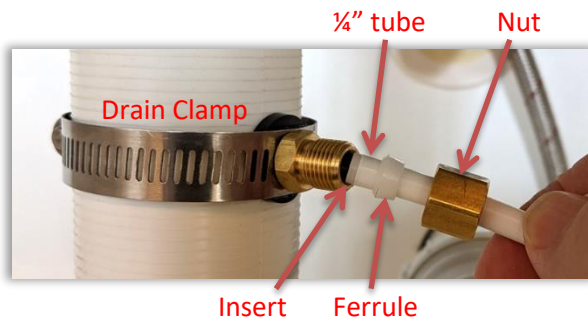
1. Add plenty of Teflon Plumbers tape to the male thread of the ½" Male x ¼" tube connectors (item 5). QTY 2.
2. Screw both ½" Male x ¼" tube connectors (item 5) tightly into the Pressure Relief Valve (PRV) (item 4).
3. Place PRV aside until needed.



Assembling Pipe Drain Clamp

1. Drill a Ø6.35mm (¼") hole into the drain pipe above the S-bend.
2. Position the sealing pad over the drain pipe hole (align holes).
3. Tighten the hose clip drain clamp, aligning drain pipe center hole with the hole in the sealing pad. You can use a short piece of ¼" tube to help keep the holes aligned when tightening the hose clamp.
4. Cut a 100mm length of the ¼" tube (item 15).
5. Mark a line onto the tube 6mm from the end with a pen.
6. Assemble the nut, plastic insert and ferrule onto the ¼" tube as shown (below left -next page).
7. Push tube into the drain pipe hose until the marked line is in line with the end of the thread, then tighten up the nut.
8. On the other end of the tube, assemble the nut, push the tube onto the connector as shown (below middle -next page). Then tighten up the nut.
(Images for steps 6,7 and 8 are on the next page).





PRV assembly

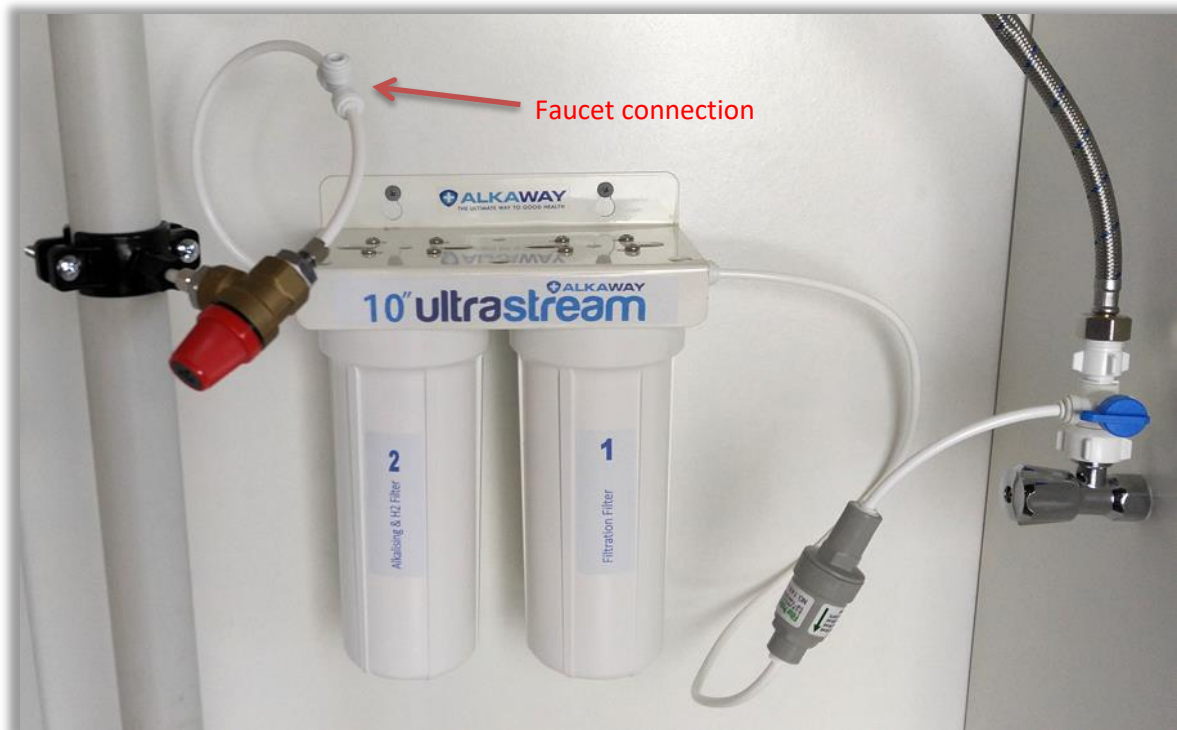
Drain clamp to PRV assembly

Assembling PRV to Tee

1. Cut a length of 1/4" tube (item 15) long enough to connect the PRV assembly (item 4) to the JG 1/4 " Equal Tee (item 6).
2. Assemble the nut, plastic insert and ferrule onto the tube as above.
3. Connect the above assembly onto the Pressure Relief Valve assembly (PRV) and tighten the nut.
4. Insert the other end of the tube into the JG 1/4 " Equal Tee (item 6) by gently pushing it into place.
5. The open end of the 1/4 " Equal Tee (item 6) is for the connection to the following:
 - a. To an existing or new 3-way faucet via an additional 1/2" male to 1/4" connector (item 5). Refer to the 3-Way Faucet Schematic figure 1 on page 2.
 - b. To existing or new filter water faucet via 1/4" hose connected to the faucet. Refer to the Standard Filtered Water Faucet Schematic, figure 2 on page 2.



PRV assembly



UltraStream Twin Undersink Installation Completed

1. **Flush** the Twin 10" UltraStream for at least 5 to 10 minutes on a medium flow. Flush until the water runs clear. This is to remove any media filings in the system. This water can be used on plants.
2. **If the Twin 10" UltraStream system hasn't been used for a 2 or more days then there may be a metallic (funky) taste to the water. This is due to the buildup of Hydrogen and the Alkaline minerals in the water. Simply running water through the system for about 30 to 60 seconds will clear the excess, then you can start drinking it. Repeat if necessary.**
3. Replace filters every 12 months.

Optional Pre-filter Cartridge Installation Instructions

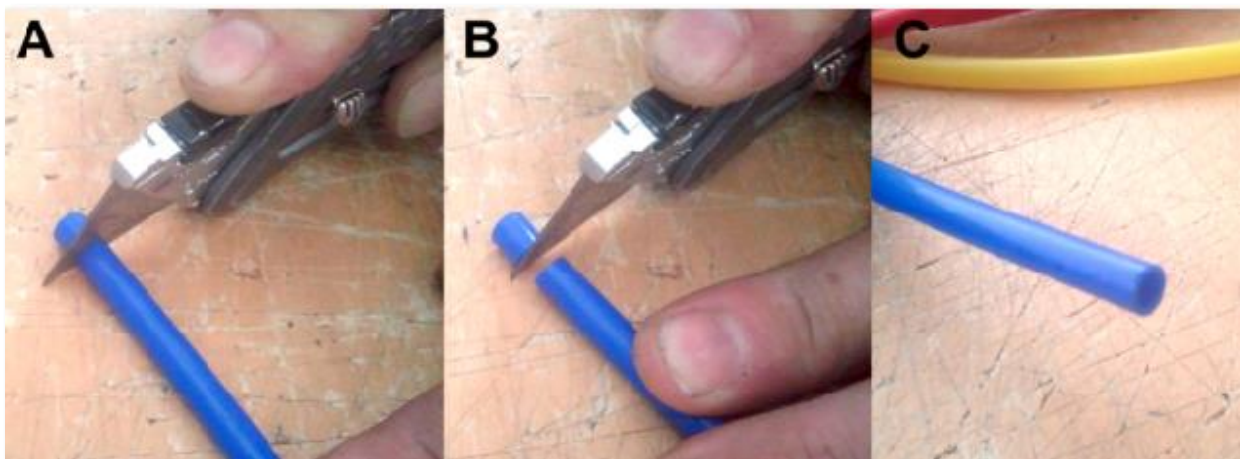
1. Install the cartridge between the PLV (item 7) and the inlet to the 10" Housing (item 12) labelled 1 Filtration filter.
2. **Flush** the filter until water runs clear before connecting it to the 10" Housing (item 12) labelled 1 Filtration filter.

Maintenance of the 10" Housings

1. The O-ring in the 10" housing should be periodically replaced and lubricated to prevent leakage.
2. Be sure to keep filter away from any heat source.
3. Check filter condition every 6 months and replace the filters every 12 months.
4. Check housings at every filter replacement to see if they need replacing.
5. Filter should not be used where the water quality sediment levels are unknown or are at medium to high levels. Or where the water source hasn't been tested to the drinking water standards.

How to Cut the Tubing for Correct Seal Connections

1. Use a very sharp knife or razor blade to get a clean right angle cut.
2. Check to make sure you have a **clean and even end.**



UltraStream 10” Twin Undersink Kit Warranty

The warranty is subject to Australian Consumer Guarantees (ACCC). For full details refer to the following link <https://www.alkaway.com.au/policies/warranty/>. For other countries warranty details refer to your local AlkaWay distributor web site.

1. Your UltraStream comes with a standard 1 Year Manufacturer’s Warranty from the date of purchase. Depending on your country, this can be extended to a 3-year warranty from the date of purchase by registering your purchase details, unless the UltraStream was purchased from either AlkaWay Australia, AlkaWay USA, AlkaWay UK or AlkaWay Canada, where as part of the UltraStream purchase you will automatically be registered for the 3-year warranty.
 2. When making a claim, it is a condition that the 3 Year Extended Warranty must be validated by a copy of the invoice as proof of purchase.
 3. It is a condition of the 3 Year Extended Warranty that you agree to replace the UltraStream filter cartridge at least every twelve (12) months. We may ask to see a copy of the replacement cartridge invoices when making a claim. The replacement cartridges have a 12-month warranty.
 4. If you have any questions or claims please contact your local supplier or AlkaWay at info@alkaway.com.au
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