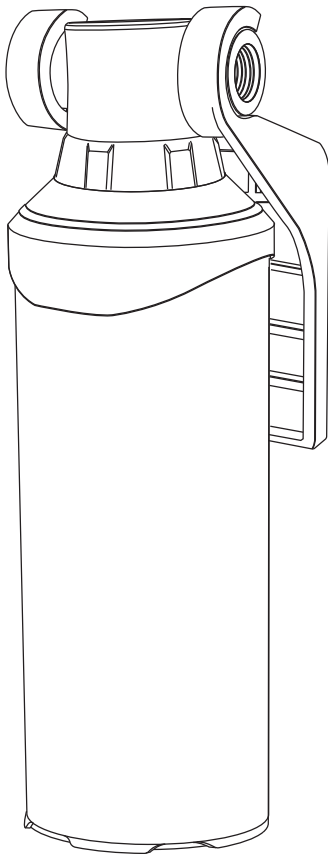


bower

Undersink Water Filter



Fitting Instructions

Please follow them carefully and
leave this manual with end user

Before you begin:

1. **We recommend that this product is installed by a qualified tradesperson**, Victorian Plumbing Ltd. accept no liability for products incorrectly installed, or where the correct testing procedures have not been adhered to, thus resulting in the escape of water and consequential damage.
2. Ensure the supply pipes have been thoroughly flushed to remove any debris.
3. Ensure the incoming mains water supply is switched off prior to commencing the installation.
4. Observe all local plumbing and building codes & regulations.
5. Unpack the product then read these instructions before proceeding. Inspect the product for damage. If any damage is found, contact our Customer Relations team.

! IMPORTANT SAFETY INFORMATION !

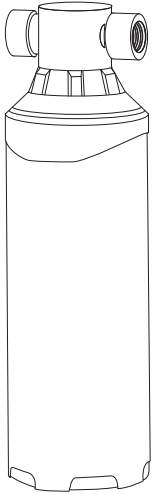
1. Please flush water for 10 minutes before use.
2. The spent adsorption media will not be regenerated and used.
3. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
4. Do not use with water that is micro biologically unsafe or of unknown quality without adequate disinfection before or after the system.
5. Testing was performed under standard laboratory conditions, actual performance may vary.
6. This product is for cold water only.
7. This filter must be protected from freezing conditions, which can cause cracking of the filter and water leakage.
8. Do not allow children under 3 years of age to have access to small parts during the installation of this product.
9. This installation must comply with all applicable state and local regulations.
10. Do not use this system on water containing greater than 10 mg/L nitrate nitrogen without pretreatment to remove the nitrate. The water supply must be analyzed for nitrate nitrogen before the installation of the system. Failure to observe these instructions could produce water that exceeds the drinking water standard for nitrate.
11. Do not use this system on water containing hardness greater than 50mg/L (3 grains per gallon) without pretreatment to remove hardness.

Technical Information:

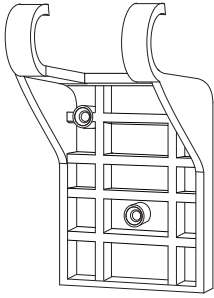
Model Name	MK99
Recommended replacement	12 - 14 Months
Operating temperature	3.9°C - 38°C
Water flow rate	1.5GPM
Capacity	800 gallon
Working pressure	20psi - 80psi

Diagrams are for illustration purposes only. Your Filter may superficially differ from this drawing however the installation guide steps still apply.

Fitting List:



Filter Body x1
(cartridge inside)



Housing Bracket x1



Screws x4



Inlet Hose x1



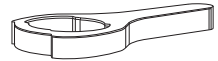
Outlet Hose x1



PTFE Tape x1



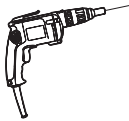
3/8" - 1/2" converter x1



Housing Wrench x2

Tool required for installation (Not Included):

Ensure the appropriate PPE is used during installation



Power Drill



Spirit Level



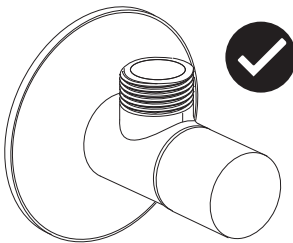
Screwdriver



Pencil

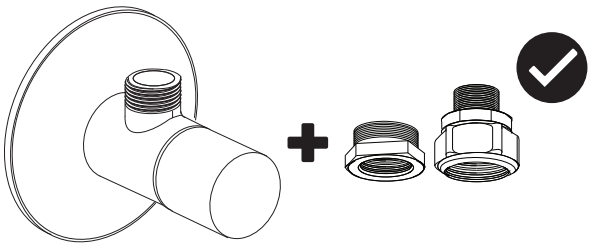
Valve Conversion:

If the valve outlet is 1/2"



1/2" Thread

If the valve outlet is 3/8"



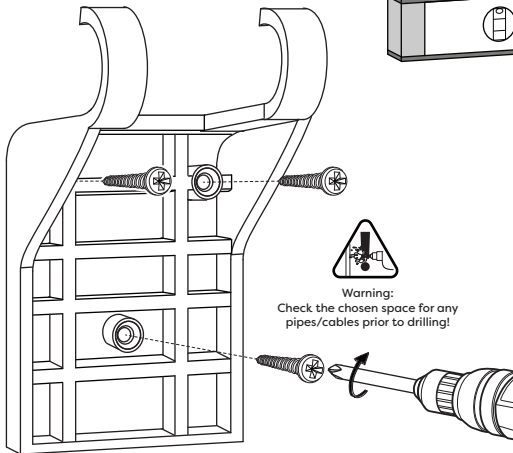
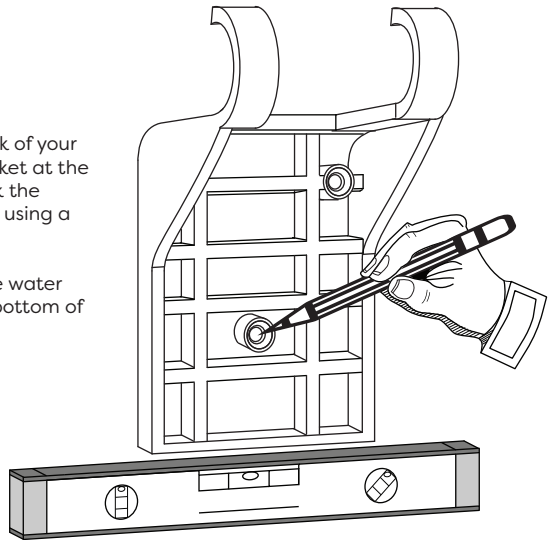
3/8" Thread

Installation:

Step 1:

Place the 'Housing Bracket' at the back of your chosen wall/cabinet. Position the bracket at the desired position and height, then mark the fixing holes. Ensure the bracket is level using a spirit level.

Note: It is recommended to mount the water filter at least 4 inches lower than the bottom of the basin for easier installation.



Step 2:

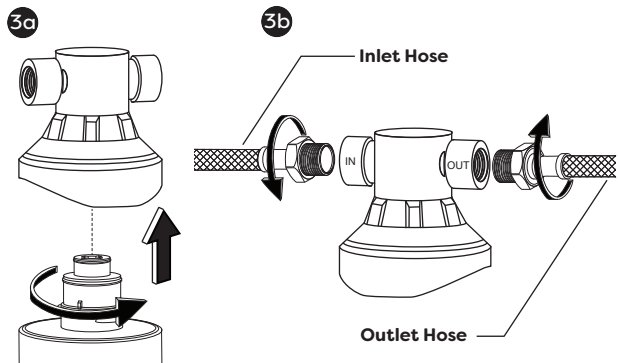
Using the appropriate sized drill bit provided, fasten the 'Housing Bracket' to the wall using the 'Screws' provided.

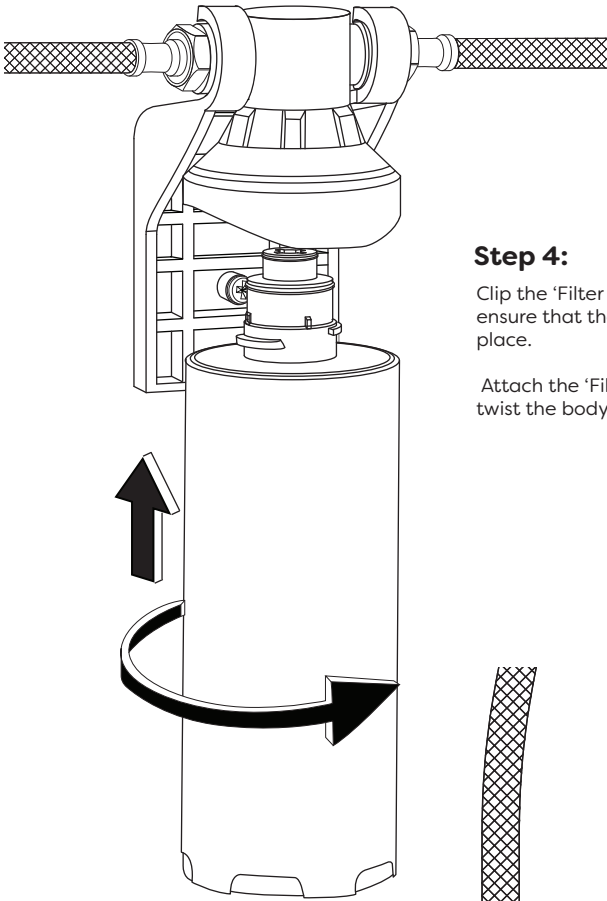
Note: If you are drilling into a solid wall; carefully drill the holes into the wall with the appropriate sized masonry bit. Insert the correct sized rawl plugs (not included) into the holes, then proceed to mount the 'Housing Bracket'.

Step 3:

Remove the 'Filter Head' from the 'Filter Body'. Attach the 'Inlet & Outlet Hoses' to the filter head. The 'Inlet Hose' is to be connected to the left side of the filter head, and the 'Outlet Hose' is to be connected to the right side of the filter head. Ensure the hoses are in the correct orientation.

Tighten the connections with an adjustable wrench.





Step 4:

Clip the 'Filter Head' to the 'Housing Bracket' ensure that the head is clipped firmly into place.

Attach the 'Filter Body' to the 'Filter Head' twist the body clockwise to secure into place.

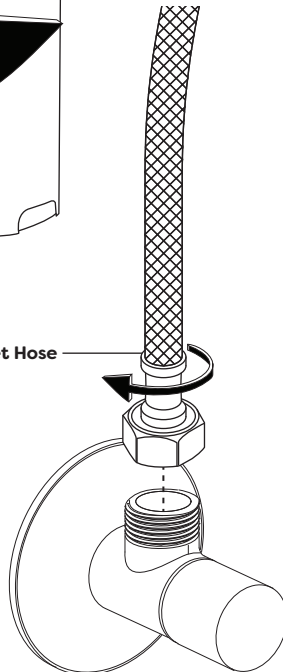
5a

Step 5:

Connect the 'Inlet Hose' to the cold supply valve.

Connect the 'Outlet Hose' to the existing hose pipe leading to the tap. Tighten all the connections with an adjustable wrench.

Inlet Hose



Cold Supply

5b

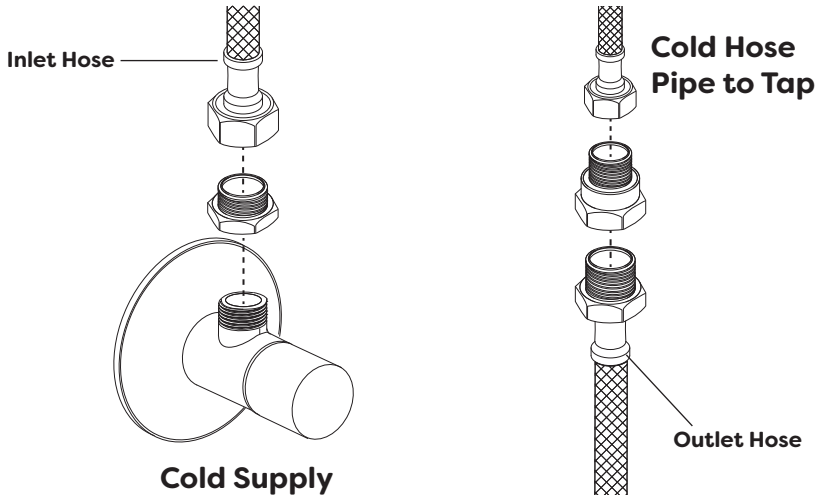
Cold Hose Pipe to Tap



Outlet Hose

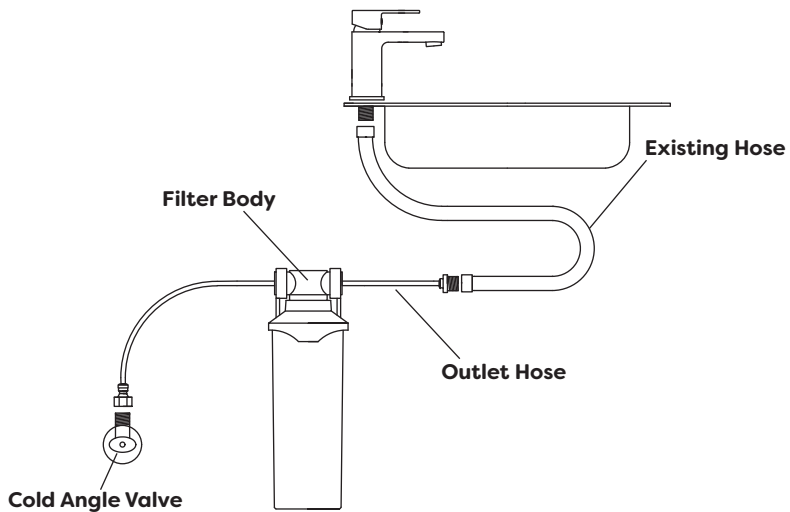
Adapter Conversion:

for 3/8" threads attach the '3/8" - 1/2"' converter to the cold water supply and cold hose pipe. Then connect the 'Inlet and Outlet Hose' to the supply valve and flexi-pipe. Tighten all connections with an adjustable wrench.



Connection Diagram:

Once all the connections are made, turn on the supply valve, run the cold water and check all joints and connections for any leaks. Flush the filter for at least 5 minutes before use.

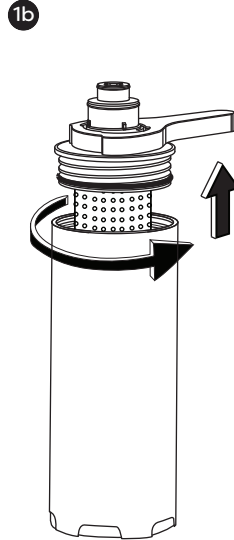
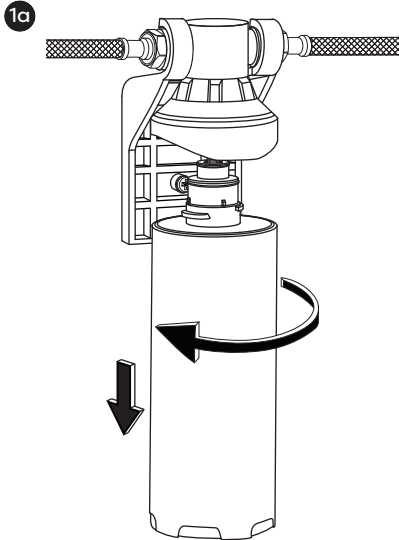


Filter Replacement:

Note: The filter head has an auto shut off design. It is not necessary to turn off the water supply valve.

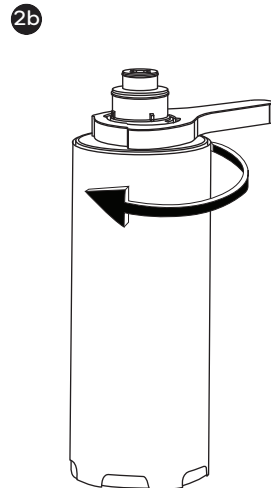
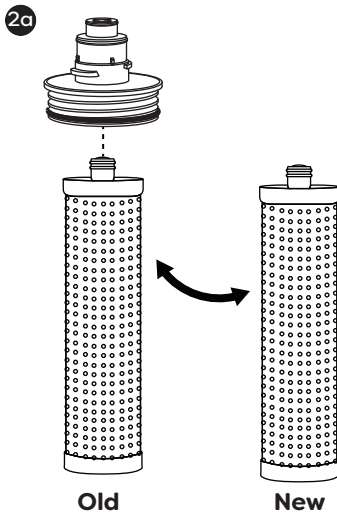
Step 1:

Remove the 'Filter Body' from the 'Filter head' then using the 'Housing Wrench' provided, unscrew the filter cap from the filter body to access the filter.



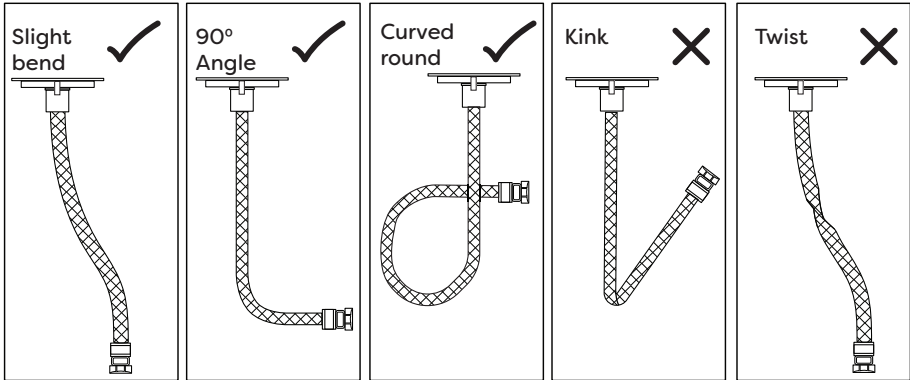
Step 2:

Replace the 'Old Filter' with the 'New Filter' then insert the filter cap back into the housing body. Tighten the body with the 'Housing Wrench' ensuring that it is fully sealed. Attach the 'Filter Body' back to the 'Filter Head' as shown in 'installation step 4'.



Flexible Connecting Pipes:

When installing the flexi-pipes to the household pipework. Special care must be taken to ensure they do not bend sharply causing a kink or twist. Failure to do so may result in poor performance and damage to the flexi-pipes.



Troubleshooting:

1. Leaks at the threaded connection: Ensure that all connections are fully tightened. Use the PTFE tape provided on the threaded connections.
2. PPM not dropping while tested by TDS meter: MK99 has a unique technology that removes 99.99% of contaminants while leaving all the essential minerals in the water such as calcium, potassium, sodium, magnesium etc. All healthy water has a certain level of total dissolved solids, they are essential minerals. The TDS meter is not a professional way to measure the water quality, the water without TDS is normally produced by reverse osmosis system.

Performance Data:

Substance	Influent challenge concentration (mg/L)	Maximum permissible product water concentration (mg/L)
Chlorine	20.mg/L \pm 10%	\geq 50%
Particulate, Class I particles 0.5 to $<$ 1 μ m	At least 10,000 particles/mL	\geq 85%
Lead	0.15 \pm 10%	0.010
Cyst	Min. 50,000/L	99.95%

Recycling and Disposal:

Please recycle the packaging in accordance with your local government regulations on waste handling and follow the same advice at the end of the products life.

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