



ANCHOR®

WATER FILTERS

Anchor EcoFlo 800 GPD Tankless Reverse Osmosis Water Purification System Installation & Setup Guide



Model#:
AF-8005, AF-8004

Experience the taste of exceptional purity

Welcome to your Anchor EcoFlo Reverse Osmosis System – advanced, tankless, and high-capacity.

When properly maintained, this system will provide you with years of great tasting, pure drinking water and trouble-free service. Please read the section regarding the proper care and maintenance of your new Anchor Water System.

These systems are made with highest quality and high performance parts

Parts Checklist

Please take a few moments to check and view the entire system and components before installation. Your new Anchor EcoFlo Tankless R.O. System should include the following items:



Front



Back

Assembled System*

*Model# will depend on order



Faucet
Package



Pressure
Limiting Valve



Drain Saddle
Valve



Poly tube



User Manual



Quick Connect
Feed Water
Valve* for both
1/2-inch & 3/8-
inch Plumbing
Fitting

*Design can vary

Note: If any item is missing or damaged, please contact Anchor support at support@anchorfilters.com

Safety Precautions

Please read these safety precautions before using the system:

- Do not disassemble the system yourself.
- Keep out of reach of children.
- Install only on cold water supply.
- Do not place system near heat sources or high humidity areas.
- Turn off inlet valve when system is unused for long periods.

Specifications

Attribute	Value
Temperature Range	40°F - 100°F
Service Flow	1 GPM
Rated Capacity	800 GPD
Operating Pressure	20 psi - 60 psi
Voltage Rating	110 Volts
Dimensions	15" L x 6" W x 15" H

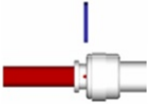
Filter Cartridge Information and Replacement Cycle

Below is the approximate life of filter cartridges. Age of filters depends on GPD consumed and quality of feed water.

Model #	Name	Description	Service Time
AF-1801	PP + CTO with Anti-Scale	extracts sediment, rust, insects, and other particles	6 months
AF-1800	800 GPD RO Membrane	removes 99% contaminants that might be present in water	2 years
AF-1802	Post Carbon GAC	removes unpleasant taste and odor	12 months
AF-1803	Post Carbon GAC + Alkaline	removes unpleasant taste and odor, and adds minerals and increases water pH level	12 months

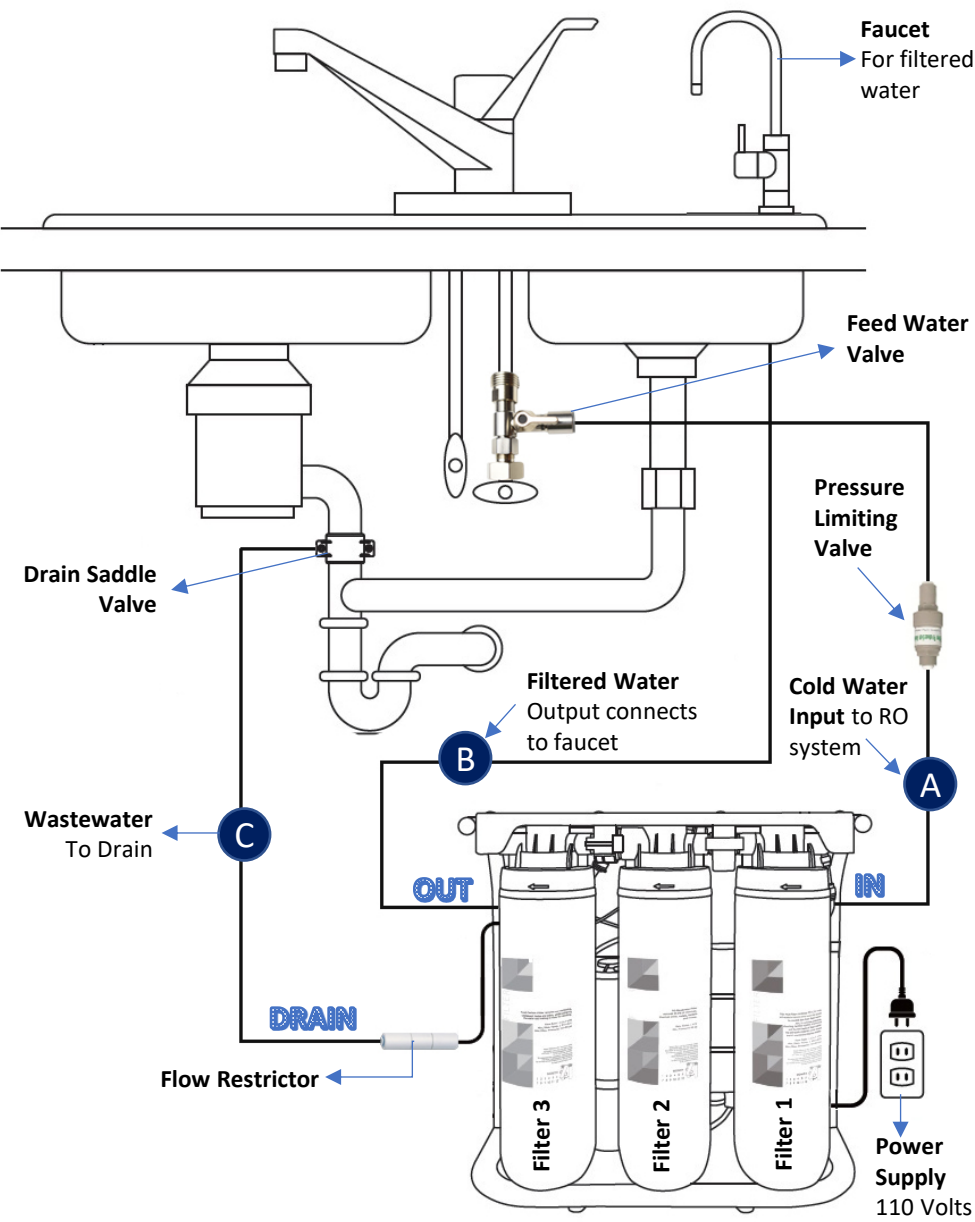
Tube Connection Guide

Use a sharp cutter to cut the tube end as squarely (perpendicular) as possible, removing any rough edges to prevent leaks. Follow the steps below to install tube in quick connect fitting. Remove the lock pin from quick fitting connections before inserting the tube.

1. Install the water pipe  Pull the lock fitting outward and push tubing straight in as far as it will go. You should hear a slight click sound.	2. Insert the lock pin back on. 
	3. Pull the tube to ensure tube is tightly fitted. 

Tankless RO Filtration System Connections

Make sure ALL the tubes are connected correctly



Tools & Materials Required for Installation

- Drill with 1/2" Drill Bit (type as required) to mount the faucet
- Adjustable Open-End Wrenches
- Phillips and Flat Blade Screwdrivers

Installing your filter - Determine location

1. Determine the location for RO system

- Install or store where it will not be exposed to temperatures below freezing or exposed to any type of weather. Water freezing in the system will damage it.
- Recommended installation is under the sink. However, the unit can be installed in a remote location, up to 20 feet away from the sink. Additional installation materials may be required.
- Be sure there is room underneath the sink to make the needed connections.
- If installed under sink, leave enough tube in place during installation to be able to move unit to floor for ease at servicing and making filter cartridge changes.
- DO NOT install on HOT WATER. Temperature of water supply to filter system must be between minimum of 40°F and maximum of 100°F.
- The assembly can stand up in sink cabinet or can be hung on screws.

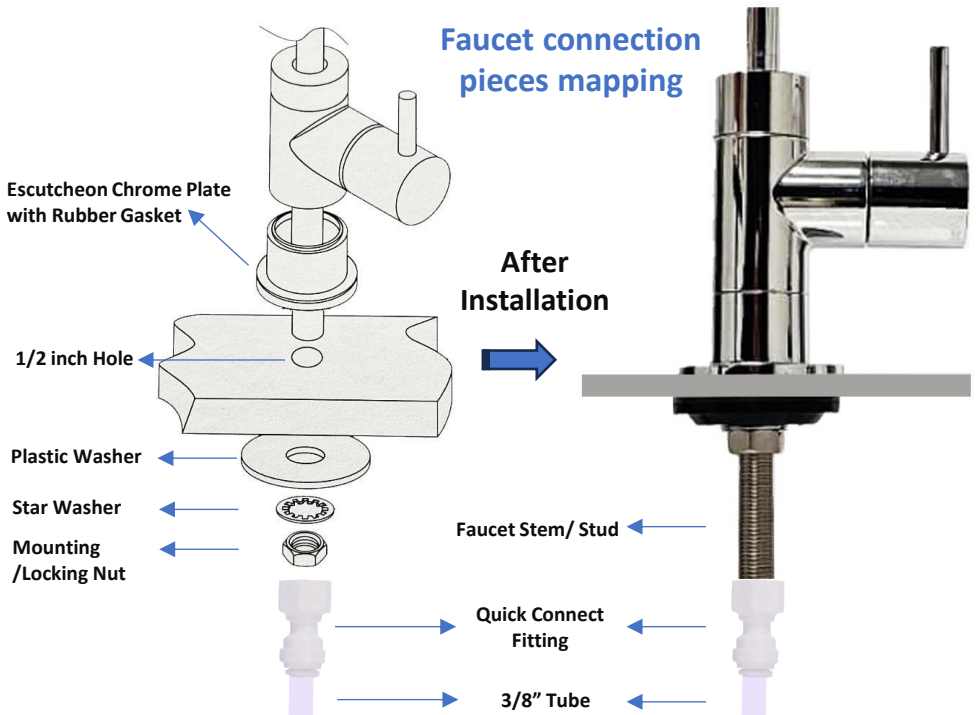
2. Determine the location for installation of RO faucet

- You may use an existing predrilled hole on the sink. Make sure the Escutcheon Chrome Plate - faucet base (see page 7) can cover it. If not, another hole may be needed.
- If you drill a new hole on the countertop or sink, make sure that drilling the hole will not damage any pipe or wiring underneath the countertop or sink.
- Make sure the faucet base fits flat against the surface at the selected location so the gasket will seal.
- The faucet stud should be accessible from below once the hole is completed.

Installation

1. Faucet Installation

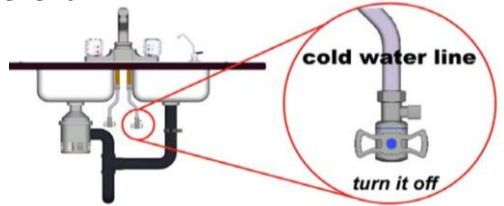
- 1) Slide **escutcheon chrome plate** with rubber gasket onto the stem of faucet and place faucet onto sink with stem going through the hole.
- 2) From under the counter surface, place **plastic washer** and **star washer** over threaded stem of faucet and tighten **locking nut** to lock faucet into place.
- 3) Screw on the **white plastic quick connect fitting** on to the end of faucet stem. You may need to use Teflon to prevent any potential leaks.
- 4) Take the **3/8" white tube** (cut slightly longer than the distance between the OUT port of the filter system and the faucet stem). Insert one end of the tube fully into the quick connector, then reinsert the locking pin (see page 4 for instructions on how to connect tubes to quick connect fittings).



2. Feed-Water Supply Installation

CAUTION: The water supply to the unit MUST be from the COLD-WATER LINE. HOT WATER will severely damage the system.

- 1) Locate the cold water (angle) shut off valve (see picture below) underneath the sink and turn it off. Open the cold-water faucet to release the pressure. On single-handle kitchen faucets, the hot water may have to be turned off to prevent any hot water cross over. If water continues to come out of faucet with angled valve turned off, the house main must be turned off.



- 2) Locate the stainless-steel feed-water valve/adaptor in the installation kit.



Note: Design can vary

Fits Both 1/2"
NPT and 3/8"
Compression
Cold Water
Supply



Please see the following for flex line and solid-copper riser installation.

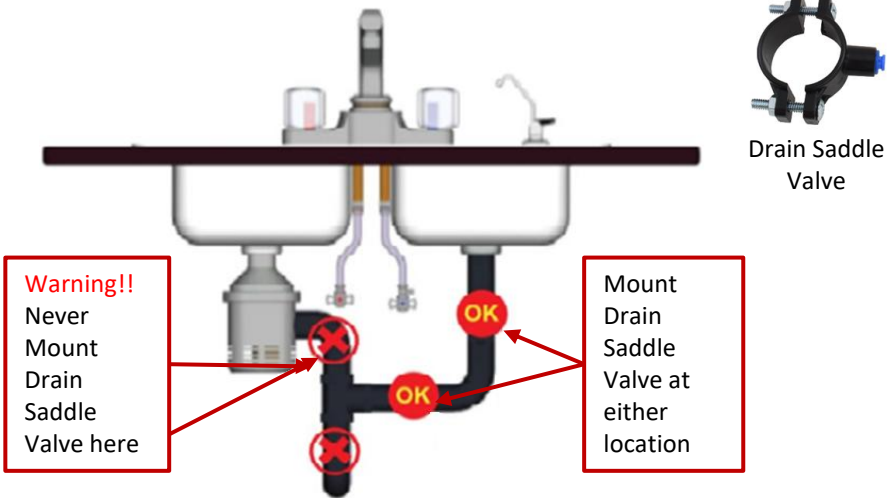
Note: You may need to use Teflon tape on feed adapter to prevent leaks

- a. Flex Line:** Loosen nut and separate the cold-water riser tube from faucet shank. Gently bend riser tube so that feed adapter fits into faucet shank. Reinstall riser tube onto feed connector and tighten.
 - b. Solid-Copper Riser Tube:** Follow same procedure as for flex tube above, except cut a piece of the riser tube so the feed adapter can fit between faucet and riser tube.
- 3) Once the feed water adapter has been installed, take **3/8" white tube**, slightly longer than the distance between the IN port of the filter system and the feed water valve, and connect it to the feed water valve as shown in the image above.

3. Mounting the Drain Saddle Valve

Drain Saddle Valve is used to make wastewater connection with the drain under the sink and is designed to fit standard 1 1/2-inch OD drainpipe. The drain saddle valve should always be installed before (above) the p-trap and on a vertical or horizontal drain.

To avoid clogging the drain line with debris, do not install the drain saddle near a garbage disposal. See below.

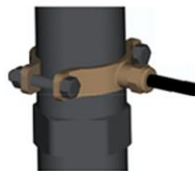


In Kitchens with single sink and garbage disposal, this (see the red arrow near p-traps) is where the drain saddle can be installed



- 1) Position drain saddle valve at selected location and mark for the opening and drill 1/4-inch hole at mark through one side of pipe.
- 2) Remove backing from gasket (sticker) and place adhesive side to the fitting half of drain clamp around hole.

- 3) Position both halves of drain saddle on drainpipe so the opening aligns with drilled hole. Use a small drill bit to verify that drain clamp is properly aligned. And then secure drain saddle clamp on valve with bolts and nuts provided.



- 4) Insert ¼-inch **red tube** to quick connector fitting of **saddle valve**.

- 5) Other end of **red tube** should connect to **flow restrictor** with black lock pin. See page 5, connection 'C'.

Remove the small white cap insert before trying to insert the red tube



4. Finish the Tube Connections



- 1) Remove the small black cap inserts from IN and OUT connectors

OUT



- 2) Follow from page 8, step 3 - Take the other end of **3/8" white tube connected to feed water valve** and insert it into the **IN** connector as shown here.



See page 5, connection 'A'

- 3) Follow from page 7, step 4 - Take the other end of the **3/8" white tube connected to the faucet** and insert it into the **OUT** connector as shown here.



See page 5, connection 'B'

5. Install the Pressure Limiting Valve/Regulator

1. In between the tube that runs from feed water to inlet of the system, install the pressure regulator.
2. To install, cut the pipe from around the middle and insert the tubes on both ends keeping the flow arrow towards the system inlet.



6. System Start-Up

1. Turn on both, cold-water supply and under-sink feed-water valve. If there is any leak, turn off supply and correct before proceeding.
2. Check system for leaks; tighten when necessary.
3. Open RO faucet and keep it in ON position to flush the system for around 3-4 minutes or until water is clear.
4. After flushing, you may enjoy the pure water.
5. Check for leaks daily during first week of use and periodically thereafter.
6. You may notice that water is milky colored during the first week. This is an indication of air bubbles in water; it is normal and safe.

Preventive Maintenance

Your Reverse Osmosis System has been tested to ensure it will operate correctly. The following recommendations are intended for maximum efficiency of RO water production by your system.

1) Filter maintenance

- It is OK to store unopened filters for several years.
- The membrane usually has a two-year shelf life. Once used, run the RO system every day for at least 10–15 minutes (about 1 gallon of drinking water). This helps maintain the membrane performance.
- When the system is not in use for a long period of time, unplug the power supply of the unit and turn off inlet feed water valve.

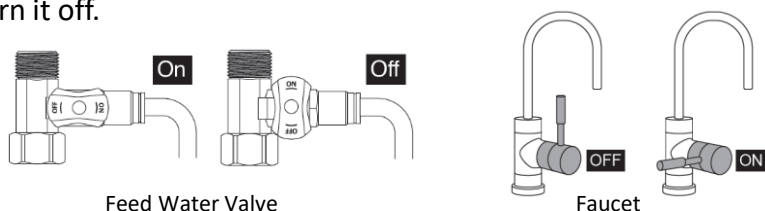
2) Filter and membrane change procedures:

This RO system contains filters that must be replaced at regular intervals to maintain proper performance.

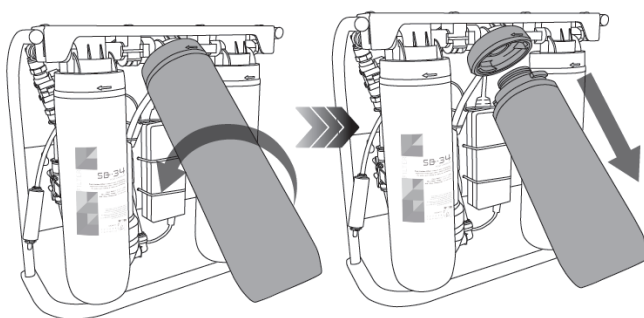
Use only Anchor approved filters. Please see page 4 for the recommended interval for changing the filters. Local conditions may dictate more frequent changes.

Use a drip pan to catch any water that may spill when the filter is removed.

- Turn off the power supply and unplug the system.
- Shut off the inlet feed water supply.
- Open RO faucet to release any residual water in the RO pipes, then turn it off.



- Twist the filter to the left (counterclockwise) and pull filter straight down to take it out. Put on a new filter and twist it right.
- Repeat previous step for second & third filters.



- Turn on the water supply and make sure there are no leaks.
- Let the water drip from the faucet for about 3-4 minutes. If the water flow is less than 1 cup (8 oz. or 240 ml) per minute, it may be a signal to replace the RO membrane.

Troubleshooting

Note: Turn off the system before servicing or inspecting

PROBLEM	CAUSE	SOLUTIONS
RO system does not work	Tap / Feed water is off	Turn on the water supply followed by the inlet feed valve.
	No power supply	Turn off the feed water valve and unplug the power until power is supplied normally.
Milky colored water	Air in system	Air in the system is a normal occurrence with initial startup of the RO system. This milky look will disappear during normal use within 1 to 2 weeks.
Noise from faucet	Air gap faucet	Will disappear after system shut down.
	Location of drain saddle	Relocate the drain to above water trap.
Slow production or no water from RO drinking faucet	Low water pressure	Check the water pressure.
	Crimps in tube	Make sure tube is straight.
	Clogged pre-filters	Replace pre-filters.
	Fouled membrane	Replace membrane.
Water taste or smell offensive	Post carbon is depleted	Replace post carbon.
	Fouled Membrane	Replace membrane.
No drain water	Clogged flow restrictor	Replace flow restrictor.
Water Leaks	Fittings are not tightened	Tighten fittings as necessary.
	Leaking from booster pump	Turn off the feed water valve and unplug the power. Don't try to open the booster pump, please contact customer support.
	Misalignment of hole in the drain saddle valve	Realign drain saddle valve.
Drain water or booster pump can't stop	Solenoid valve or high-pressure switch are damaged	Turn off the inlet feed water valve and unplug the power. Please contact the customer support.

Replacement Filter Cartridge Information

To assure best possible water quality, replace filter cartridges as per their service time.

Image	Filter	Compatible Model	Cartridge Model #, Name, URL
	Filter 1	AF-8004 AF-8005	AF-1801 - PP+CTO Anti-Scale Replacement Filter
	Filter 2	AF-8004 AF-8005	AF-1800 - RO Membrane Replacement Filter
	Filter 3	AF-8004	AF-1802 - Post Carbon GAC Replacement Filter
	Filter 3	AF-8005	AF-1803 - Post Carbon GAC + Alkaline-Mineral Replacement Filter
	Filters 1 & 3	AF-8004	Replacement Filter Set for Anchor EcoFlo 800 GPD Tankless Reverse Osmosis System - no membrane
	Filters 1 & 3	AF-8005	Replacement Filter Set for Anchor EcoFlo Plus 800 GPD Tankless Reverse Osmosis System - no membrane

AVAILABLE AT:

<https://www.anchorfilters.com/tankless-ro-filters>



SCAN
FOR
LINK

Register Your Product

Give yourself complete peace of mind and register product online to receive timely reminders for filter replacements & for quick support.

Register here:

<https://www.anchorfilters.com/product-registration>

OR



Technical Support

At Anchor USA, we are always here to help you. With 24-hour access to our company contact web page, you can drop a message or email us directly anytime, and one of our representatives will respond to your query in less than 24-hrs.

Web: <https://www.anchorfilters.com/contact-us>

Email: support@anchorfilters.com

Warranty Policy

One-year warranty against manufacturer defects is offered with the purchase of the system. This warranty does not cover damage due to abuse, neglect, freezing, fire or other fortuitous event.



IMPORTANT!

Run only cold water through the unit.



WARNING!

Do not use this filter for water that is microbiologically unsafe or of unknown quality.

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