



OWNERS MANUAL 3.0

# WECO [TiNY] SERIES

REVERSE OSMOSIS DRINKING WATER FILTER SYSTEM



## Inspect the System before Installation:

Please inspect the System and all connection fittings carefully, and make sure there is no damage during shipping. If you find a damaged or broken part, please **DO NOT** proceed with the installation, and contact us for a replacement, broken part or assistance via **1 (888) 675-5187**

## General Installation and Maintenance Requirements:

- Please make sure that the installation complies with State and local laws and regulations.
- Do not use with the water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- System must be installed indoors.
- It is recommended that installation of the water filter be done by a professional plumber.



Fig. #1

**[TiNY]**

### IMPORTANT !



It is recommended to change the pre & post filters at least **every 3 months**. It is advised to change them on time to avoid any damages to the RO membrane. It is advised to use WECO replacement filters. Using 'non-WECO' and poor quality filters may clog the RO system and will also damage the membrane.

Visit us on [wecofilters.com](http://wecofilters.com) or call us at 1 (888) 675-5187



**TINY-SET3**

## Information & Assistance



[wecofilters.com](http://wecofilters.com)



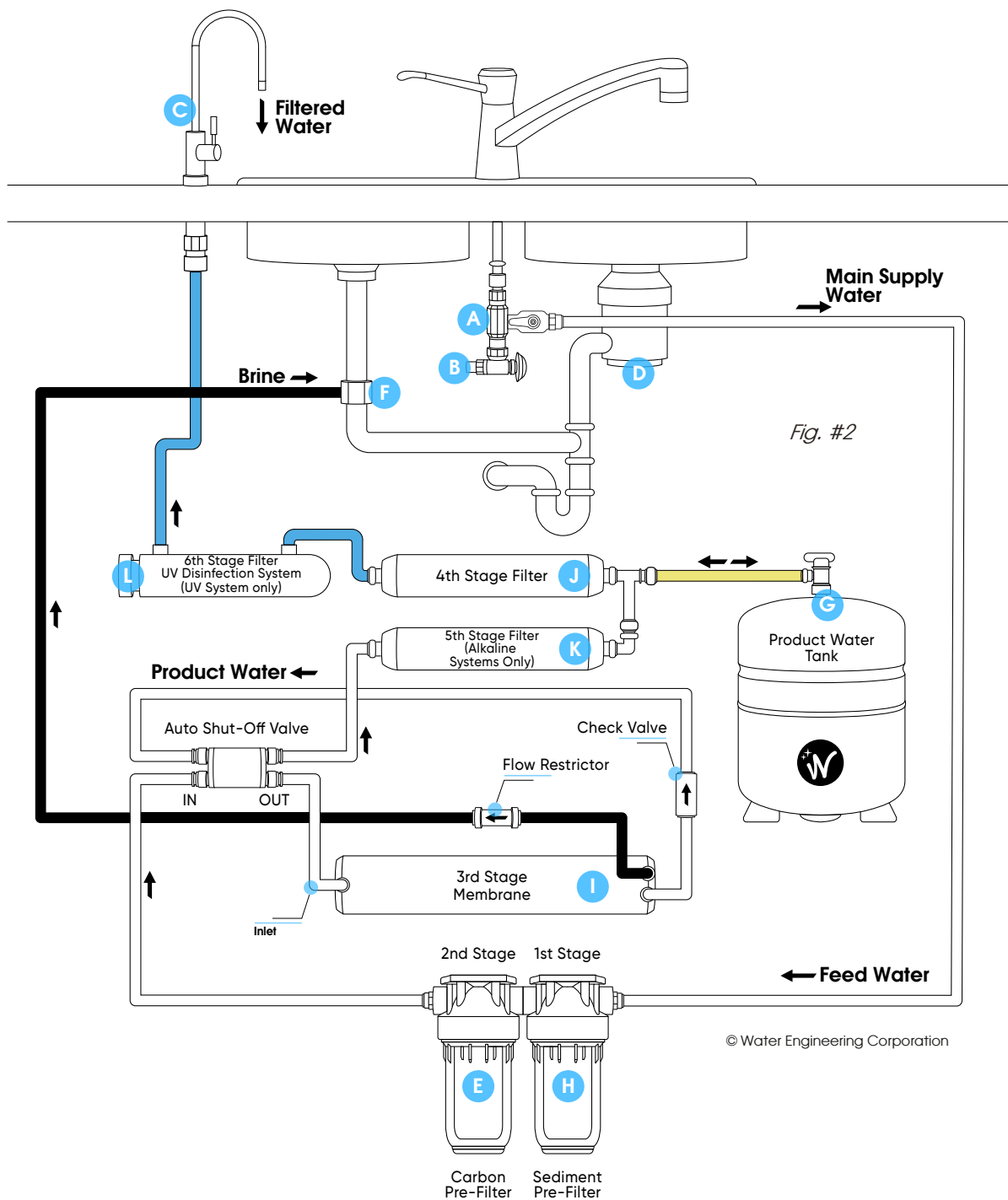
1 (888) 675-5187

For Service Requests & Product Information

Hours of Operation:

**Mon-Fri 8.00 am - 4.00 pm**

(Pacific Standard Time)



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Reverse Osmosis System Tubing Diagram

# INSTALLATION INSTRUCTIONS

## Tapping into the cold water line

(Using the water supply adapter model EZROADP-EZ14)

*NOTE: The drinking water system must be connected to the COLD water supply only.*

- 1) Turn off the cold water supply to the sink faucet by locating the Round or oblong handle on the right side of the sink cabinet and Turning clockwise until the water supply is off.

*NOTE: If the cold water shut-off valve fails to turn off the water, the house water supply can be turned off at the main water supply.*

- 2) The water supply adapter can be installed at the faucet Connection of the cold water line or at the shut-off Valve connection.

Water supply adapter fits 1/2" OD supply valves as well as 3/8" OD valves. Tighten all joints with a wrench. Connect the 1/4" white RO tubing into the quick connect end of the adapter.



## Drilling the hole for the faucet

*NOTE: Safety glasses should be worn to protect your eyes while drilling the faucet hole.*

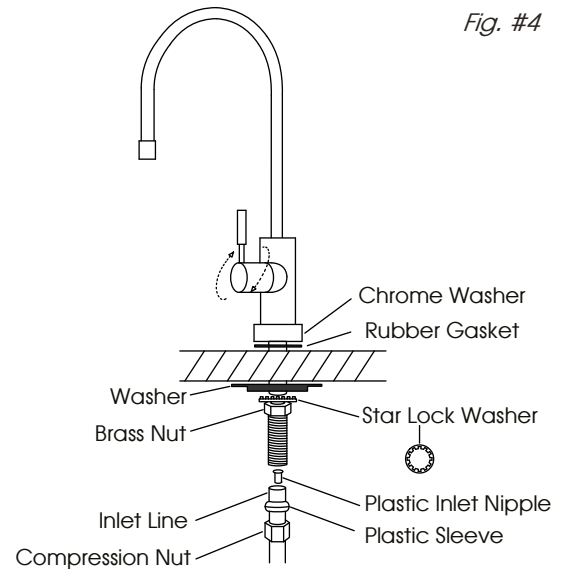
1. For best results, a 1/2" carbide-tipped drill bit should be used to drill a hole into your sink for the auxiliary faucet.
2. Carefully select the faucet location making sure it will have a neat water fall pattern and that the faucet stud will be accessible from below once the hole is completed.
3. For Porcelain Sink: Before starting the drill motor, apply firm downward pressure on the bit until a crunching occurs. This will help keep the drill bit from moving.
4. For Stainless Steel Sink: Before using a 1/2" carbide drill bit, an indent should be made with a center punch to keep the drill bit from moving. A small pilot hole will also aid the 1/2" drill bit.
5. For best results, keep steady firm pressure during the start of the hole will cause excess wear on the bit and progress will be slow.
6. Once the hole is complete, clean the area of metal chips and roughness around the hole. Metal chips will stain Porcelain

## Mounting the faucet

**Your unit comes complete with a non air gap faucet.**

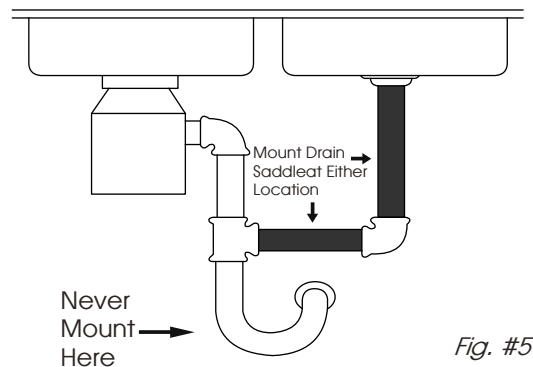
*NOTE: Air gap option installation instructions are available upon request. The following instructions is for non-air gap option.*

- 1) Slide chrome cover plate and rubber gasket onto stem of faucet and place faucet onto sink with the stem going through the hole.
- 2) Place metal washer and lock washer over threaded stem of faucet and tighten nut from under the counter surface to lock the faucet into place. **DO NOT OVER TIGHTEN.**
- 3) Connect the blue tube to the faucet stem under the counter and tighten.

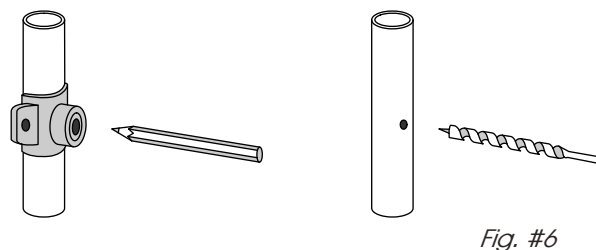


## Drain clamp installation

1. The drain clamp assembly should be installed above the trap and on the vertical or horizontal tailpiece (Fig. #5)



2. Mark the hole position on the pipe and drill a 1/4" hole through one side of the pipe (Fig. #6).



3. Make sure to align drain saddle to drilled hole. Attach drain clamp to drain pipe and tighten the two screws evenly. (Fig. # 7)

*NOTE: The center hole on the sponge must be removed.*

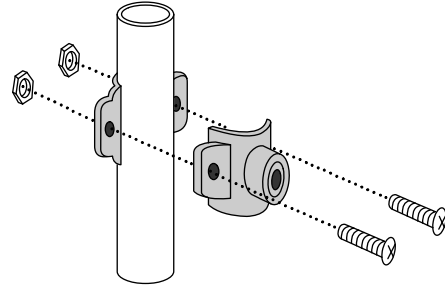


Fig. #7

3. Connect the Black tubing to the drain clamp.

## Positioning the system

1. The head assembly will stand up in the sink cabinet or can be hung on screw holes.
2. The storage tank may be laid on its side.
3. The head assembly and/or storage tank maybe placed up to 15 feet from the point of use with nominal pressure loss.

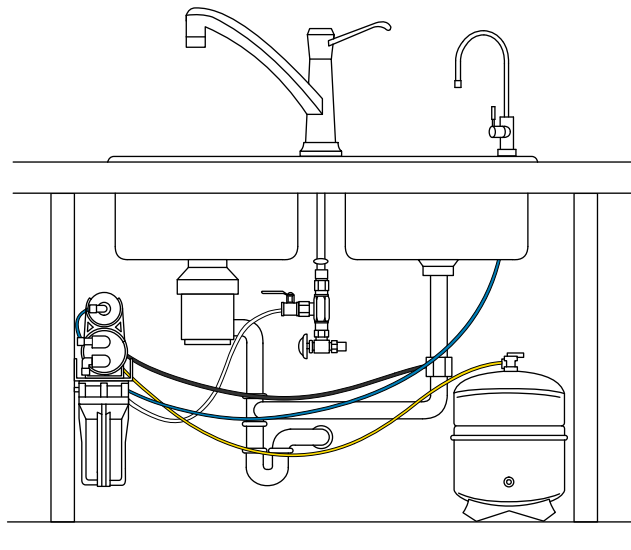


Fig. #8

## CONNECTING THE SYSTEM



Use the color coded tubing to make the following

- The **White** tubing connects the water supply adapter to the inlet side.
- The **Blue** tubing connects the faucet to the outlet side.
- The **Black** tubing connects to the drain clamps.
- The **Yellow** tubing connects the storage tank to the inlet side of the post carbon.

# START-UP PROCEDURE

1. Check to see all connections are made
2. Check that the pre-filter and pre-carbon sumps are secure using the housing wrench provided.
3. Slowly turn on the water by turning the needle valve counterclockwise.
4. The valve handle on top of the tank should be in the open position, parallel to the valve body
5. The handle of the faucet should be perpendicular to the spigot (closed).
6. Check for leaks.
7. The RO/NF ro drinking water system makes 2 gallons of drinking water per hour and requires 1 to 2 hours before water is readily available.
8. During this initial fill period, you will hear water being discharged through the black drain line. This is normal as the contaminated water is being rejected by the reverse osmosis membrane.

## IMPORTANT !



Do not drink the water from the first tank produced by the system.  
Discharge the water from the storage tank by opening the faucet.  
Discharging might take up to 15 minutes.

If you have any difficulties with the installation, or require additional information on your unit, please consult with our factory technicians.

We thank you for purchasing our Reverse Osmosis / Nanofiltration unit for your high quality processed drinking water. In order to maintain this high quality water, it is important that scheduled maintenance be followed.

# RECOMMENDED SYSTEM MAINTENANCE



To properly maintain your WECO drinking water system, please use only genuine WECO water replacement filters at [wecofilters.com](https://wecofilters.com) or call us at [1 \(888\) 675-5187](tel:18886755187)



### Sediment Pre-filter

The pre-filter protects the system and should be maintained regularly, a clear housing has been provided for your convenience. The snow-white pre-Filter should be changed when the outside discolours to a cardboard brown color and before the inner surface discolours. The life of the pre- filter will depend upon the condition of your water supply and should be checked at 1-month intervals until a filter life is established **(average life 3 months)**.



### Carbon Block

Designed to remove chlorine form the water supply, as well as organic and inorganic substance before entering the TFC membrane **(average life 3 months)**.

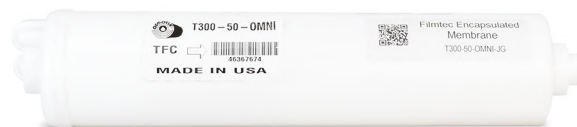
### Post-Carbon

The post-filter should be changed when you experience an unusual taste and/or odor to the water and has a nominal life of **6 months**.



### Membrane

The high quality Thin Film Composite membrane should last between **2 to 4 years** depending on the quality of your local water.



Drain your storage tank twice each month to extend the membrane and have the freshest water in the storage tank. Drain the storage tank by lifting the faucet handle into the parallel position with the spigot until water flow stops from the tank. Return the faucet handle to the closed position and the tank will refill in 2 hours. It is best to drain the system before retiring for the evening.

## Reverse Osmosis Systems Replacement Cartridges

RO Model	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
TINY-36	SDC-25-0505	CB-25-0505	GRO-36EN	ICF-6Q	-	-
TINY-50	SDC-25-0505	CB-25-0505	GRO-50EN	ICF-6Q		
TINY-150	SDC-25-0505	CB-25-0505	T300-150-OMNI-JG	ICF-6Q		
TINY-15UV	SDC-25-0505	CB-25-0505	T300-150-OMNI-JG	ICF-6Q	GL10PP	
TINY-150ALK	SDC-25-0505	CB-25-0505	T300-150-OMNI-JG	ICF-6Q	ICF-2512-ALK-QC	
TINY-150ALKUV	SDC-25-0505	CB-25-0505	T300-150-OMNI-JG	ICF-6Q	ICF-2512-ALK-QC	GL10PP

# CHANGING THE PRE-FILTERS

1. Turn OFF cold water supply to RO system. Turn OFF tank's ball-valve. Lift up RO faucet lever briefly to relief the built-up pressure inside the RO system. This will make opening the housings easier.
2. Open housing: Have the RO standing upright. Slip the plastic wrench onto the #1 housing. Looking down from a top view, you should open the housing turning clockwise. If necessary, lay RO down on the floor to get a better leverage. If the housing is too tight, use a hammer and tap on the wrench handle to help turn the wrench.
3. Discard 3 used filters, wash housings with mild soap, rinse off. Put 3 new filters into their respective housings: sediment filter in stage-1, carbon block filters in stages 2 & 3.
4. Close up the housings. Make sure each housing has a black O-ring in the thread groves. Use wrench to tighten each housing.
5. Remember: Turn ON the cold water supply and OPEN the tank valve after finished changing filters!
6. Check for leaks.

# CHANGING THE MEMBRANE

*CAUTION: Any replacement filters or membrane not recommended by the factory can cause severe damage to the system and voids all warranties.*

1. Shut off the feed water to the system by turning the saddle valve on the water supply adapter clockwise until it stops.
2. Close the storage tank ball valve by turning the handle perpendicular to the valve body.
3. Open the drinking water faucet relieve pressure.
4. Allow 3-5 minutes for pressure in the system to drop.
5. Disconnect the tubing from the membrane by pushing in and holding down the end collar ring surrounding the quick connect elbow fitting while gently pulling back on the tubing.
6. Remove the membrane.
7. Discard the used membrane.
8. Insert the new membrane making sure it is properly seated in housing clip.
9. Reconnect the removed tubing by pushing it into the elbow fitting in the housing cap.
10. Gently pull back on the tubing to insure a leak free connection.

Turn on the feed water to the system by turning the saddle valve at the water supply adapter counter - clockwise. Turn the storage tank ball valve handle parallel to the valve body.

# Having trouble?

Watch our step-by-step installation video



youtube.com/@weco



## Accessories

Replacement O-Ring Part  
# O-RING-25-HX



O-ring Lubricant Part  
# 862



Housing Wrench Part  
# H-WRENCH1



Pressure Regulator Part  
# HX-SB-FPV-70



Booster Pump for TINY-36  
& TINY-50 # ECON-50P



(Use with Pressure Regulator)

## Recommended System Maintenance

### Daily Maintenance

Inspect the system for leaks, unusual noises, excessive heat, or any abnormalities.  
Use an appropriate test device to assess water quality.

### Weekly Maintenance

Conduct a thorough visual inspection of the entire system, paying special attention to tubing connections. Ensure there are no drips or leaks.

### Three Month Maintenance

Replace the pre and post filters.

### Annual Maintenance

Replace the UV lamp and clean the quartz sleeve (if equipped).  
Replace the membrane(s).  
Sanitize the entire system, including distribution and storage components.

### 5 Year Maintenance

Replace the filter sumps, ASV, check valve, drain flow restrictor & storage tank.

# Specifications

## ◆ Materials:

Clear Housing: San  
Opaque Housing: Polypropylene  
Cap: Polypropylene  
O-Ring: Buna-N

## ◆ Working conditions:

Pressure: 40-75 PSI  
Temperature: 40-100 °F (4-37 °C)

# CONTACT US

For replacements cartridges and accessories shop

 [wecofilters.com](https://wecofilters.com)

For questions and concerns, please feel free to  
contact our support staff.

Phone: 1 (888) 675-5187  
Email: [sales@wecofilters.com](mailto:sales@wecofilters.com)

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Changing the Course of Water *Purification* 

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