

Replacing the Pre-Filter and Post Sub Micron filter cartridges:

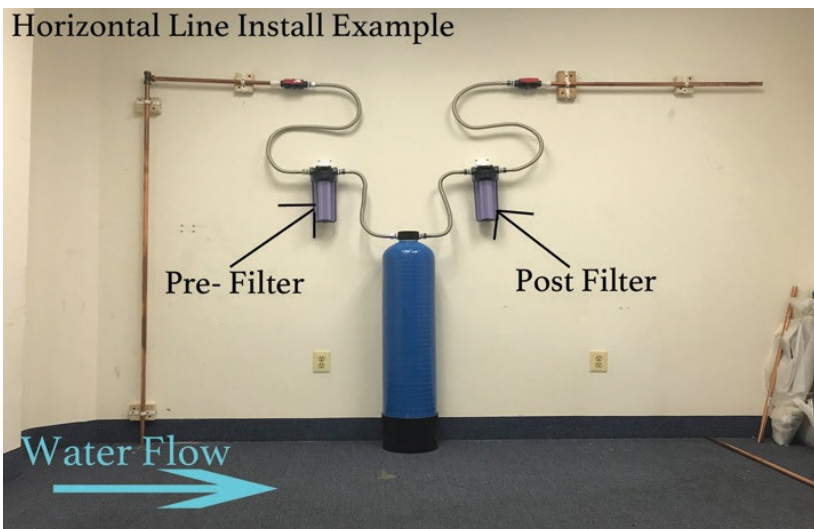
- Replacing the pre-sediment filter & post sub micron filter cartridges is the only annual maintenance that the Synergy Whole Home Water Filtration System Requires. Continue reading to locate instructions for replacing the main tank filter when needed.
- The Pre & Post filters should be replaced simultaneously every 3 to 6 months or when a slight drop in the home's water pressure is perceived.



Ordering replacement Pre & Post Filters:

- Replacement Cartridges are available in packs of 3. Order a 3 pack of pre-filters and a 3 pack of post sub micron filters from your local distributor
- Pre-Filter pack of Filters
- Post SubMicron 3 Pack of Filters

Horizontal Line Install Example

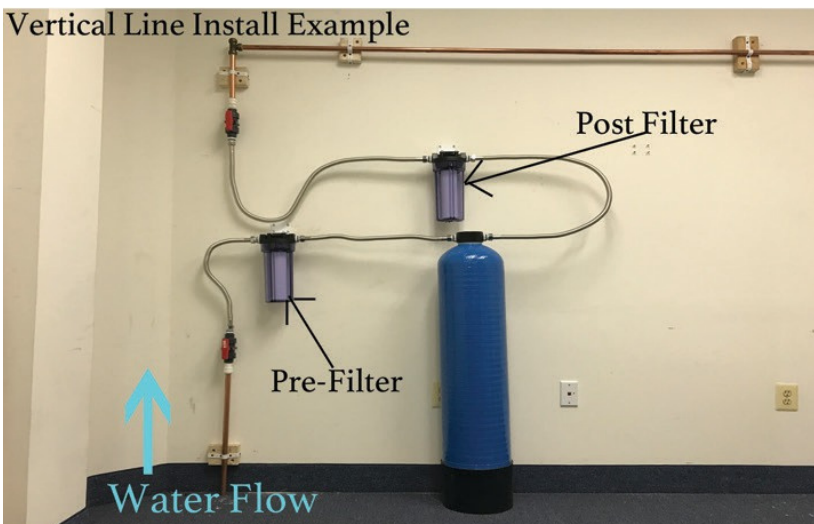


Locating the Pre & Post Filters

- The pre sediment filter is the first filter element the water flows through.
- The white bracket on the housing will be labeled "pre-filter".
- The post sediment filter is the last filter element that the water flows through.
- The white bracket on the housing will be labeled "post submicron filter".
- The pre and post filter can also be located by following the flow of water, photo examples of where the pre & post filter will be positioned are pictured to the left.

Now that you have located the pre & post filters do not take further action until carefully reading through the following steps.

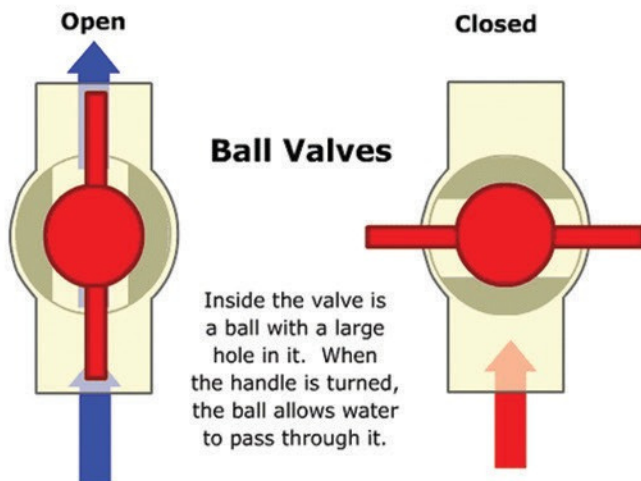
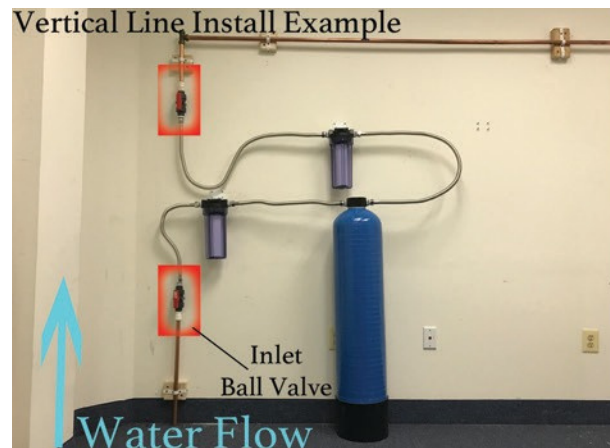
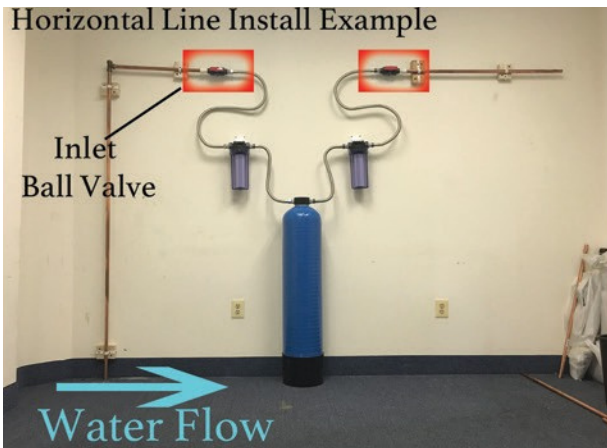
Vertical Line Install Example



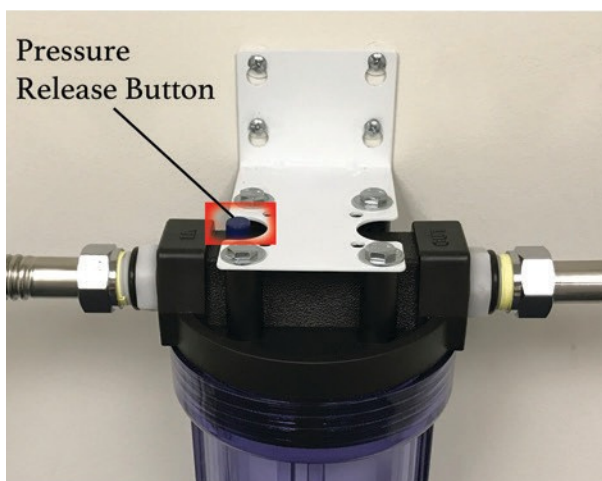
REPLACING PRE & POST FILTERS

Shutting off water supply to the Filtration System:

- Turn the Inlet Ball Valve on the Inlet Side of the Whole House Water Filter to the CLOSED position. Turn on the nearest faucet and run the water until it reduces to a slow trickle to release pressure in the home's plumbing.
- Then Turn the remaining Outlet Ball Valve to the completely CLOSED position to cut off water supply to the system completely.
- Examples of where the ball valves may be located (depending on your particular install) are below. The ball valves are located inside the red rectangles in the photos below.



The Graphic to the left illustrates how to turn the Ball Valves to the Closed Position.



Release standing pressure that remains in the Filters:

- Now that the water supply has been cut off from the system completely and both ball valves are closed, press the pressure release button on both of the filters.
- A little water may come out around the button, so grab a towel and bucket just in case.

REPLACING PRE & POST FILTERS



Remove the Housing Sumps & Expired Cartridge:

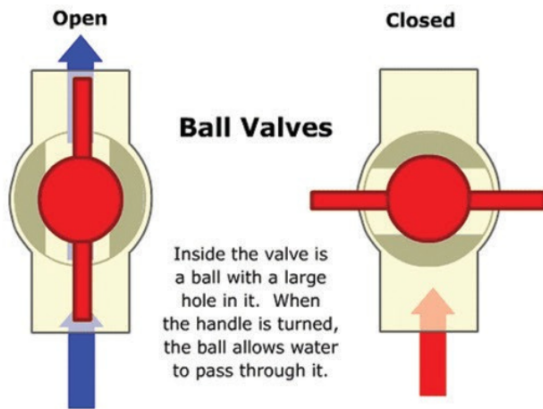
- Using the filter wrench included with your purchase, open the cartridge sumps on the pre & post filter housings.
- Some water will remain in the housing, so have a bucket or towel handy.
- The cartridge sump will unscrew in a CLOCKWISE direction.



Replace the Cartridge in the Sump, then close the housing by screwing the sump back onto the housing:

- Remove the expired cartridge and place the new cartridge into the sump.
- If the sump is dirty, you may wish to wipe out the inside of the sump with a towel prior to placing a fresh cartridge inside.
- Make sure that the Echo-SL10-20M Replacement Cartridge goes inside of the PRE-FILTER.
- Make sure that the Echo-SLI0-0.5M Sub Micron Replacement Cartridge goes inside the POST-FILTER.
- The replacement cartridges are "Drop in" style filters. Simply place them into the center so that they stand up in the middle.
- Replace the clear sump with fresh cartridge, screw back onto the black filter head in a COUNTER-CLOCKWISE direction until hand tight. Further tighten down sump with the filter wrench.

REPLACING PRE & POST FILTERS



Turn water supply back on & check for leaks:

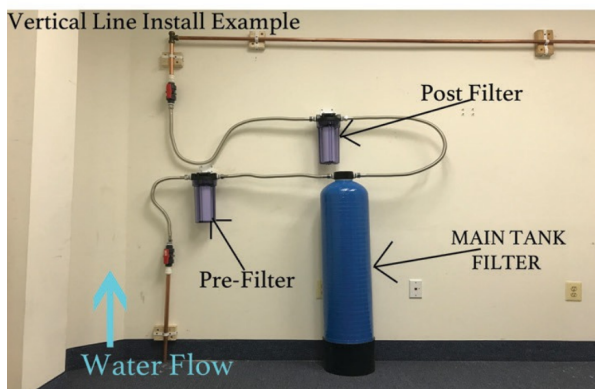
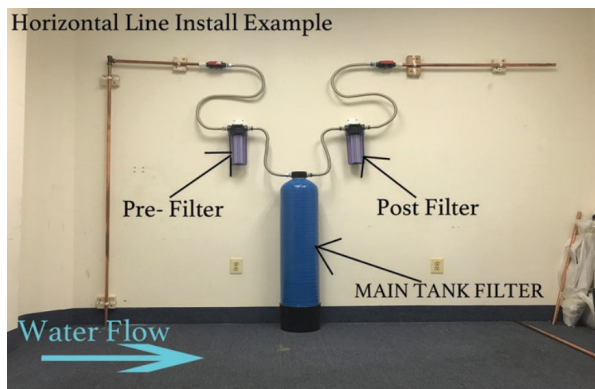
- Now that a fresh set of cartridges have been installed, its time to turn water supply back on.
- Turn the Ball Valve on the OUTLET side of the filtration system to the open position first.
- VERY SLOWLY turn the ball valve on the INLET side of the filtration system to the open position.
- Allow for the system to pressurize for a couple minutes and check for leaks. If leak is observed, turn both ball valves to the closed position and further tighten sumps with the filter wrench. Repeat the steps for turning the water supply back on above.

Replacing the Main Tank Filter:

- The only maintenance required with your Main Tank Filter is to replace it about every 8 to 10 years, depending on household use. If you wish to monitor performance with testing, since the disinfectant is always present in the unfiltered water at high levels, you may do so with a Chlorine Test. They are available on Amazon or any local pool store, hardware store, Walmart, etc.
- Chlorine tests are quite affordable and come in strips, drops, and tablet form. Once chlorine starts to breakthrough and the filtered water tests positive, it is time to replace the whole house filter.

Ordering Main Tank Replacement:

- Replacement Tanks will come completely assembled and ready for install.



Locating the Main Tank Filter

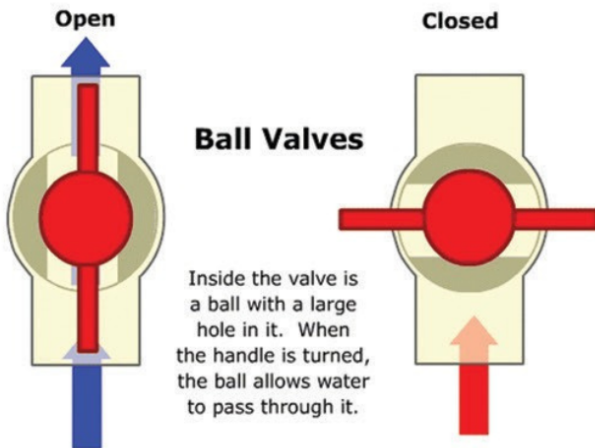
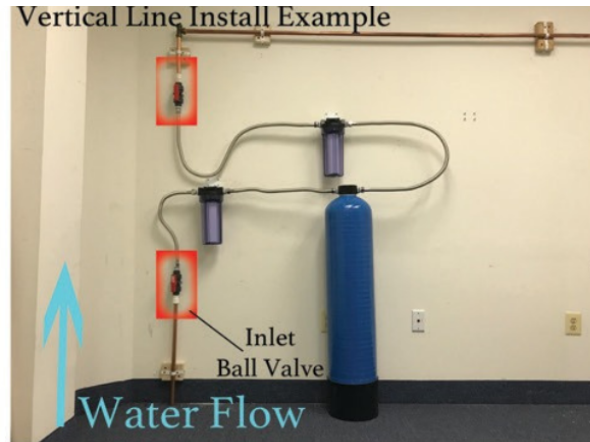
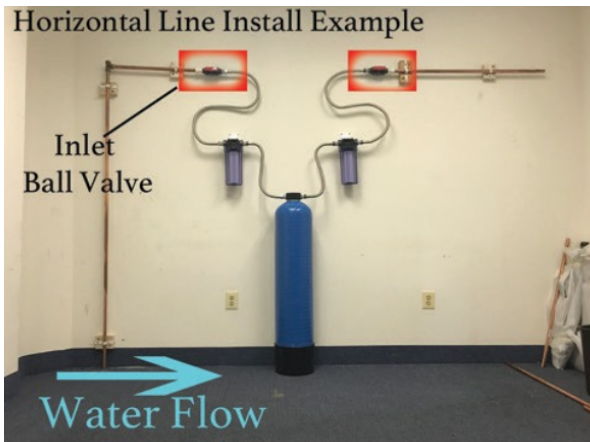
- The Main Tank Filter is the largest of the Whole House Water Filter Elements
- The Filter is Blue in Color and is a 10"D × 44"H Tank.

Now that you have located the main tank filter, do not take further action until carefully reading through the following steps.

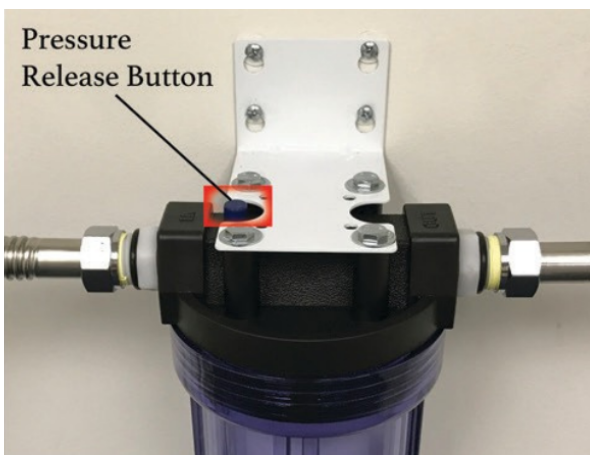
REPLACING THE MAIN TANK FILTER

Shutting off water supply to the Filtration System:

- Turn the Inlet Ball Valve on the Inlet Side of the Whole House Water Filter to the CLOSED position. Turn on the nearest faucet and run the water until it reduces to a slow trickle to release pressure in the home's plumbing.
- Then turn the remaining Outlet Ball Valve to the completely CLOSED position, to cut off water supply to the system completely.
- Examples of where the ball valves may be located (depending on your particular install) are below. The ball valves are located inside the the red rectangles in the photos below.



The graphic to the left illustrates how to turn the Ball Valves to the Closed Position.



Release standing pressure that remains in the filters

- Now that the water supply has been cut off from the system completely and both ball valves are closed, press the pressure release button on both of the pre and post filter housings.
- A little water may come out around the button, so grab a towel and bucket just in case.

REPLACING THE MAIN TANK FILTER



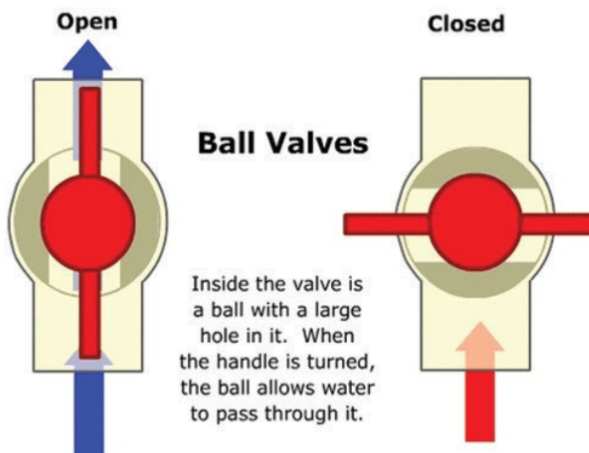
Remove the expired main tank filter:

- Using an adjustable wrench unscrew the hoses from the inlet and outlet of the tank in a counter clockwise direction.
- Some water will remain in the lines, so have a bucket or towel handy.
- The expired tank may be tilted upside down to drain water that remains in the housing and reduce the weight.



Connect the INLET of the new tank to the PRE-FILTER and and prepare to flush water through the main tank filter:

- Connect the hose running from the PRE-FILTER to the INLET of the new Main Tank Filter.
- Apply Teflon tape to the inlet nipple and screw on stainless steel hose until hand tight. Then further tighten 1/4 - 1/2 turn with an adjustable wrench.
- Connect the hose on the outlet side of the tank, following the same steps for tightening down the connection.
- Disconnect the other end of the hose on the outlet side of the tank that is connected to the INLET of the post filter.
- Use the hose on the outlet side of the tank to direct water used for flushing, into a 5 gallon bucket.



SLOWLY turn Ball Valve on the INLET side of the Whole House Filter to the PARTIALLY open position:

- It is best to allow water to flow through the system slowly when flushing the new main tank filter.
- Flush the main tank until water begins to run clear.
- Once the tank has been flushed, return the Ball Valve on the inlet side of the Whole House System to the Closed Position.

REPLACING THE MAIN TANK FILTER



Connect outlet of the main tank to Inlet of the Post Filter & restore water supply to the home:

- When connecting the stainless steel hose to the outlet of the main tank filter to the inlet of the post filter make sure to apply teflon thread tape to the male fittings. Using and adjustable wrench, tighten down connection until hand tight, further tighten 1/4-1/2 turn with an adjustable wrench.
- Open the Ball Valve on the OUTLET side of the filtration system first.
- SLOWLY open the Ball Valve on the INLET side of the filtration system to the open position.
- Check all connections for leaks. If leaking, turn Inlet & Outlet Ball Valves to the closed position. Tighten leaking connections 1/4 turn at a time with wrench to avoid over tightening.
- That's it! Enjoy another 10 years of pure water.

BYPASSING THE FILTRATION SYSTEM



Taking the Whole House System Offline:

- Should you ever need to take your whole house system completely offline, you can do so without losing water supply to your home.
- Turn the Ball Valve on the INLET side of the system to the Closed Position.
- Turn on the hot and cold taps on the nearest sink in the home until the water begins to trickle to release the pressure in the home's plumbing.
- Turn both the Inlet & Outlet of the Ball Valves to the CLOSED position.
- Then disconnect the Whole House Water Filtration System from the Ball Valves.
- Use (1) of the stainless steel hoses to connect the Ball Valves together.
- Open the Outlet Ball Valve First, then very slowly open the Inlet Ball Valve and unfiltered water supply will be restored to your home.