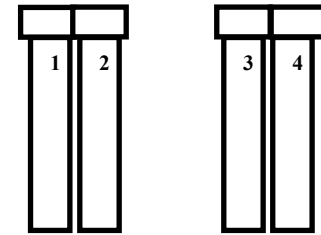


This whole house water purification system contains two sub-systems, point of entry sub-system and under-sink sub-system. There are total four stainless steel cylinders as represented in the diagram to the right. In this instruction, each cylinder is represented using a number below:



- Point of entry sub-system contains 2 stainless steel cylinders:
  - (1) PP Cotton Filtration
  - (2) Activated Carbon and KDF Filtration
- Under-sink sub-system contains 2 stainless steel cylinders:
  - (3) Microclustered Water Generator
  - (4) Ultrafiltration

### \*\*\* Important Rinse Procedure before Installation \*\*\*

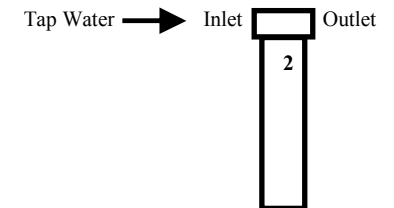
Before installation, it's important to conduct the following rinse procedure and follow the time period marked in bold in each step.

Outside of each house, there should be a water outlet mounted on the wall for connecting garden hoses. You can conduct the rinse procedure at this spot by using an adapter to connect the cylinder to the garden hose.

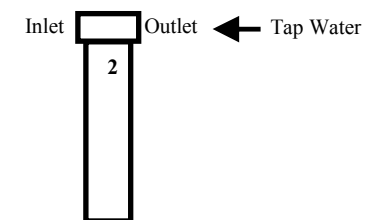
#### Steps:

- I. Disconnect the cylinder (1) and (2), and take Activated Carbon and KDF Filtration cylinder (2) alone. Do not lose the washer (black rubber O-ring) when you disconnect the cylinders. On the black plastic cap which is attached to each stainless steel cylinder, there is an arrow marked as "IN". This represents inlet and it is where the water input is. The other arrow is marked as "OUT" and it represents outlet.
- II. **Rinse: (see the diagram to the right)**  
Connect tap water hose to the inlet of cartridge (2), slowly open the valve handle to allow very small amount of tap water into the cartridge. Once you see black carbon powders are rinsed out, gradually increase the tap water flow. Leave the water running for **1 minutes**, and you may notice that the water flow gradually becomes smaller or clog.
- III. **Reverse Rinse: (see the diagram to the right)**  
Disconnect tap water hose from the inlet, and connect it to the outlet of cartridge (2). Fully open the tap water handle, and leave the water running for **1 minute**.
- IV. Repeat step II and III if necessary until cartridge (2) is able to produce steady water flow from its outlet for **5 minutes**.
- V. Disconnect the cylinder (3) and (4), conduct the above Rinse and Reverse Rinse procedures for cylinder (3) Microclustered Water Generator.
- VI. Connect cylinders (1) and (2) together so that the outlet of cylinder (1) is connected to the inlet of cylinder (2). Connect cylinders (3) and (4) together so that the outlet of cylinder (3) is connected to the inlet of cylinder (4).

#### II. Rinse

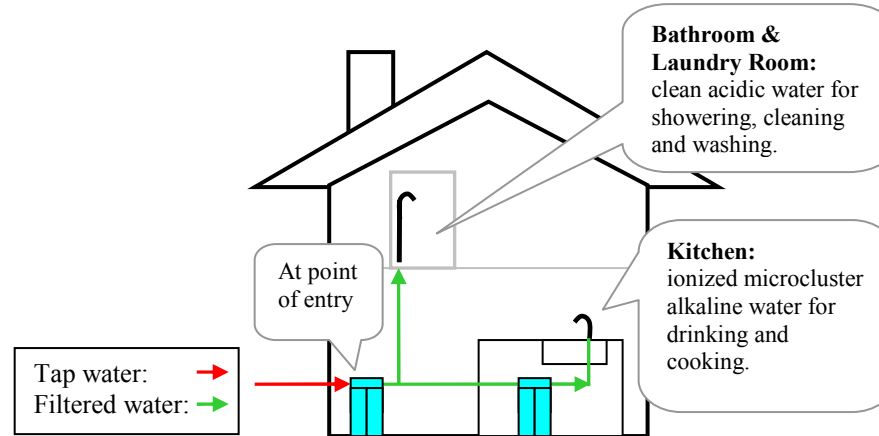


#### III. Reverse Rinse



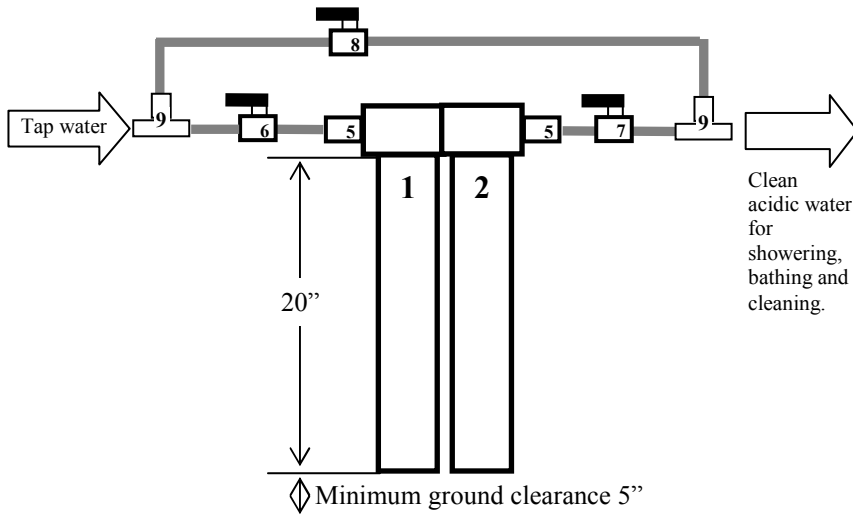
**Legends:**

1. PP cotton filtration cylinder
2. Activated carbon and KDF filtration cylinder
3. Microclustered water generator cylinder
4. Ultrafiltration (0.1 micron) cylinder
5. Adapter (not included)
6. Valve handle of inlet (not included)
7. Valve handle of outlet (not included)
8. Valve handle of tap water (not included)
9. Tee (not included)
10. Drinking water faucet (not included)



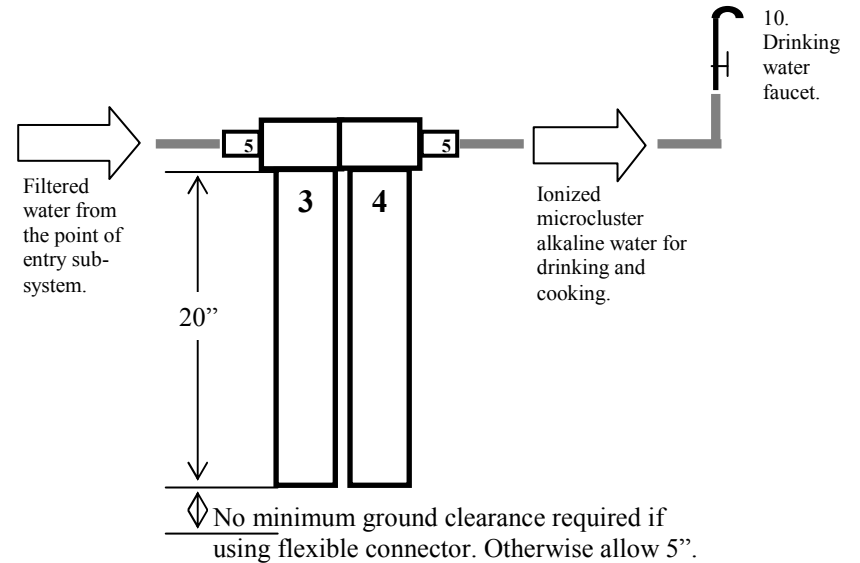
**Point of Entry Sub-System Installation:**

- This point of entry sub-system uses 3/4" inlet and outlet.
- Minimum ground clearance is 5" to allow future filter replacement.
- A separate water pipe and 3 valve handles must be installed so that this sub-system can be bypassed in case of emergency.



**Under Sink Sub-System Installation:**

- This under-sink sub-system uses 1/2" inlet and outlet. You may need to use appropriate adapters to connect it to the pipes under the sink.
- If using flexible connector, no minimum ground clearance is required. Otherwise, allow 5" minimum ground clearance.
- A separate drinking water faucet must be used to connect this system.



**To fix leaking problem:**

A special screwdriver is included in each unit.



If you see leaking after installation, use the screwdriver to turn the stainless steel cylinder counter clock wise as shown in the picture to the right.



**Do NOT take out the inner filter unless it's time for filter replacement.**

If you ever need to take out the inner filter, do NOT pull out the inner filter single-handedly.



Use one hand to hold the hatch of the stainless steel cylinder, and use the other hand to turn the cylinder upside down so that the inner filter falls out into your hand.

Always use two hands to hold the both ends of the inner filter.

