



better water. pure and simple.®



ADVANCED DRINKING WATER SYSTEM



### Aqua-Clear Advanced Drinking Water System Recommended Annual Maintenance

Thank you for taking part of the Aqua-Clear Privilege Program. This program ensures that replacement cartridges arrive on an annual basis in order to keep your Aqua-Clear Drinking System running at maximum efficiency. All with the added convenience of having them shipped directly to your door.

**NOTE: The initial shipment for the Privilege Program includes two boxes. One box will include the drinking water replacement cartridges while the other consists of the Sanitization Kit. The Sanitization Kit is only sent to you once and must be saved for future system maintenance.**

Below is a reminder of the suggested annual maintenance for your drinking water system. (These services are included as part of the Aqua-Clear Privilege Program.)

#### Annual Check-up

Sanitize the System	Check		Replace
User instructions provided on the back page	<ul style="list-style-type: none"> <li>RO Membrane*</li> <li>Flow Control Assembly</li> <li>TDS Reduction Performance</li> </ul>	<ul style="list-style-type: none"> <li>Flow Rates (including air gap)</li> <li>Drain tubing for back-up</li> </ul>	<ul style="list-style-type: none"> <li>Sediment Filter(s)</li> <li>Carbon Filter Pre-filter</li> <li>Polishing Post Filter</li> </ul>

\*If replacing RO Membrane, please contact your local Culligan dealer at 1-866-464-6401.

#### Changing the Cartridges

One of the many great features of the Aqua-Clear Drinking Water System is the ease of changing out cartridges. Please follow the instructions below to ensure proper cartridge replacement.

##### Removing the old cartridges:

1. Turn off inlet feed water valve.
2. Release each cartridge from manifold by making a counter-clockwise, quarter turn.
3. Pull down to remove cartridge and dispose.

##### Installing new cartridges:

**Note:** If your system configuration includes the GAC Pre-filter Cartridge, please refer to the back page for special flushing instructions.

**Note:** At this time, do not replace the RO membrane, insert the bypass plug in its place.

1. Mark each cartridge with an install date in the space provided on cartridge label.
2. Match the inlet and outlet valve on the cartridge to corresponding port within the manifold and insert the cartridge. (Figure 1)
3. Making a clockwise, quarter turn, twist the cartridge into locked position. (Figure 2)
4. To replace the polishing filter, the tubing needs to be removed from the old filter. Check both ends of 3/8" tubing for any scratches. If scratches exist, please use a utility knife and make a **straight** cut to remove any imperfections on tubing. (Figure 3) Connect the tubing to the new polishing filter with the "FLOW" arrow pointed in the direction of the faucet.

**Note:** The activated carbon polishing filter needs a 10 minute flush to remove carbon dust.

5. Make sure all cartridges are locked in place, and close tank valve, then turn back on the inlet water valve.
  - Run water for 10 minutes through the faucet in order to flush pre-filters and carbon post-filter.
  - Check system thoroughly for leaks.
6. Reinstall the RO membrane, turn on tank valve. Wait for RO tank to refill before product water is available.

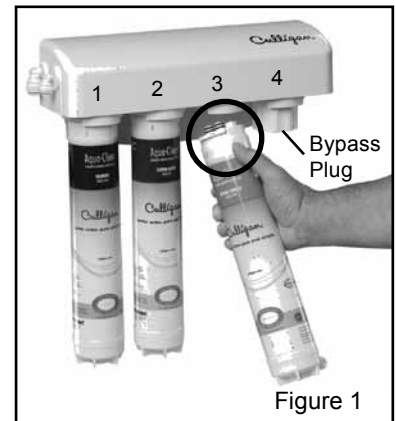


Figure 1

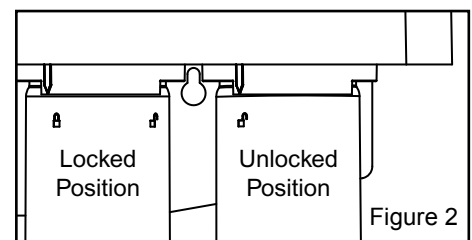


Figure 2

**Note:** The RO cartridge must be inserted into the 2nd, 3rd or 4th position on the RO manifold.  
If only three cartridges are to be inserted into the manifold, the bypass plug cartridge must be inserted in the 4th position. (Figure 1)

## Quick-Connect Fitting

### Insertion & Removal of Plastic or Copper Tubing

1. Simply push in tube to attach. 2. Tube is secured in position.
3. Push in collet from both sides to release tubing.

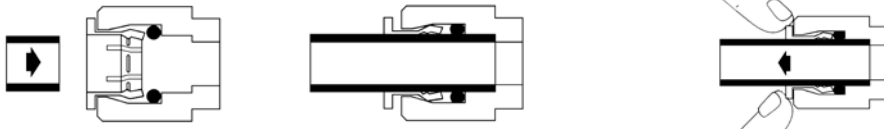


Figure 3

## Flushing Procedure for GAC Pre-Filter

Prior to installing new cartridges, the GAC pre-filter requires a longer flushing period in order to remove Carbon fines from the system. These Carbon fines could adversely affect the life of other cartridges and/or the membrane element.

1. Insert the GAC pre-filter cartridge into port 4 so that Carbon fines are not sent throughout the manifold. (Figure 6)
2. Insert the bypass plug into ports 1, 2, and 3. (Figure 6)
3. Remove post-filter and replace with 3/8" union adaptor that came with the sanitization kit. (01021822)
4. Turn on inlet feed water valve.
5. Run water through the system and to the faucet in order to flush the GAC pre-filter for 15 minutes.
6. Proceed to installing new cartridges.

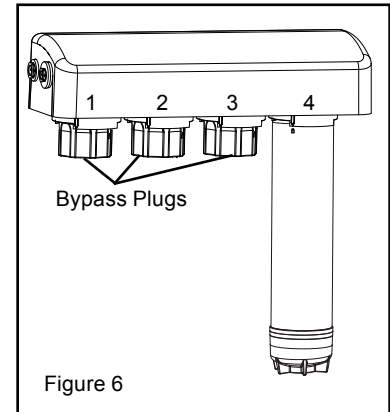


Figure 6

## Sanitizing the RO System

Prior to installing new filter cartridges, it is suggested to sanitize the system on an annual basis. The Aqua-Clear Drinking Water System may be sanitized using the following components: (1) sanitizer cartridge, (3) bypass plugs, and unscented liquid chlorine bleach. Please follow these instructions to ensure proper sanitization. Included in the Aqua-Clear Privilege Program is the Sanitization Kit. **This kit is sent to you only once, please do not discard.** This kit can also be purchased separately. (01021822)

**Note:** The storage tank should also be sanitized at this time.

1. Shut off water supply, remove all filters cartridges, and turn on RO faucet to empty storage tank.
2. Insert the bypass plugs in ports 2, 3 and 4. (Figure 5)
3. Pour two tablespoons of liquid unscented chlorine bleach into the sanitizer cartridge and place in port 1. (Figure 4 and 5)
4. Turn off the tank valve and remove the post carbon filter. Insert the tubing union adaptor in place of the filter to join the two tubing ends.
5. Turn on the supply valve, open the tank valve and RO faucet and allow the system to fill with water.
6. Once water begins to flow from the RO faucet with a chlorine smell, turn off the supply valve and close the RO faucet.
7. Allow the system to sit for ten minutes.
8. Turn on the water supply valve and the RO faucet to allow the water to flow through the entire system for about 10 minutes or until the sanitizing solution has completely passed through.
9. Turn off the water supply and open the RO faucet to drain the storage tank. When water stops flowing turn off the RO faucet.
10. Remove sanitizer cartridge, bypass plugs, and tube union. Re-install the filter cartridges and post carbon and turn back on the water supply. (Figures 2 and 3)
11. Thoroughly check for leaks.
12. The storage tank will require time to fill prior to RO water being available for use.

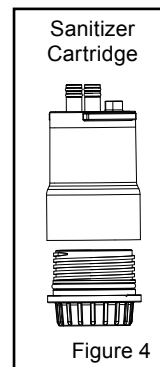


Figure 4

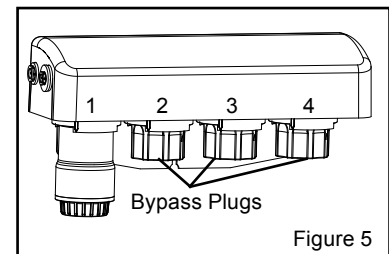


Figure 5

Any questions regarding changing cartridges, sanitization, or to schedule a service call, please call your local Culligan Man today at **1-866-464-6401** or **1-800-285-5442** (Canada).