

Manual for MyAquaFilter Countertop Reverse Osmosis Water Purification System

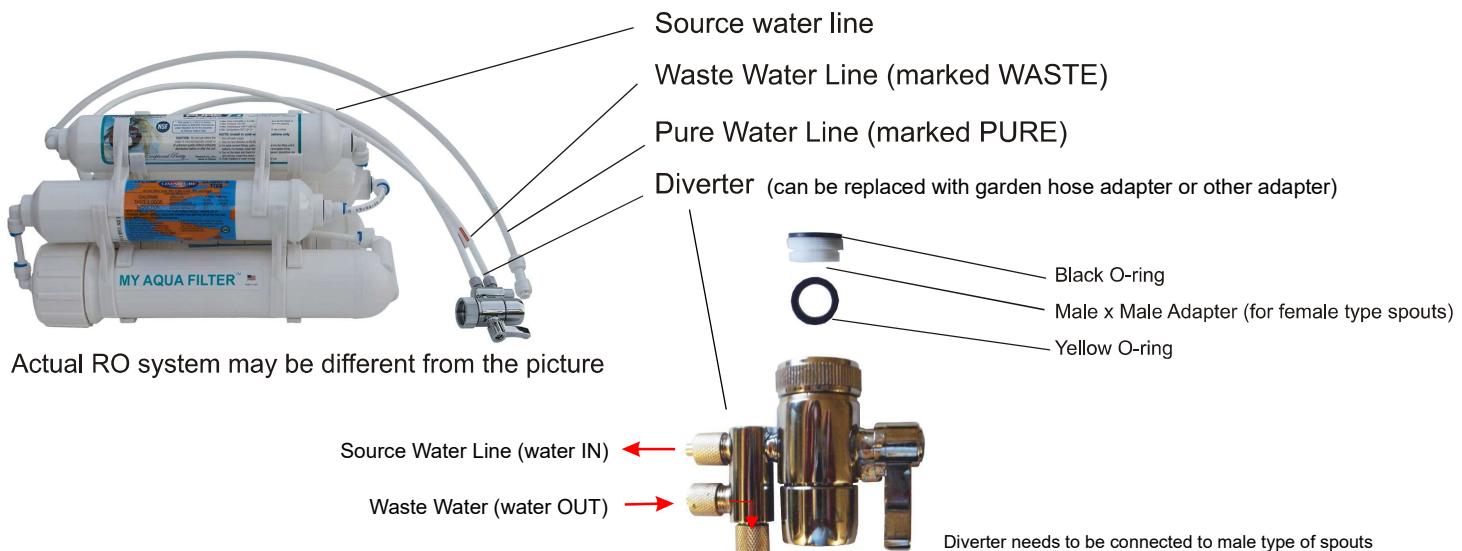
The Reverse Osmosis system in operation produces pure water at a slow rate, with approximately 1 gallon being generated every 15 to 26 minutes. Please note that the water will drip rather than flow quickly. The Reverse Osmosis Membrane utilized in this system employs 0.0005-micron filtration, which is approximately 1000 times more effective than water filters without an RO membrane. To ensure a readily available supply of filtered water, we highly recommend collecting water in advance, whether on a daily basis, every other day, or less frequently. You have the flexibility to use different types of water containers, such as glass or plastic. However, if you require filtered water immediately and are unwilling to wait for the filtration process, we advise against using the RO system out of curiosity. Once the RO has been used, it cannot be resold, only recycling is possible.

*12-14 min. for 150 GPD RO Membrane, 15-17 min. for 100 GPD RO Membrane, 25-27 min. for 75 GPD RO Membrane.

Please ensure to complete the following steps before using the system for the first time:

1. The RO system is designed to connect directly to standard kitchen faucets. A standard adapter is included, which fits approximately 90% of all standard faucet types. In rare cases where a different size adapter is needed, we provide options for various connections, such as bathroom faucets, pulldown/sprinkler type faucets, garden or laundry outlets, shower arm connections, and handheld shower adapters. If you require a specific adapter, please contact our Customer Care team for assistance.
2. It is important to use the RO system only with COLD water. The use of hot water significantly reduces the lifespan of the filter cartridges, up to 5-50 times faster. The minimum water temperature should be 40°F, and the maximum temperature should range from 90-95°F. Additionally, avoid exposing the RO system to direct sunlight for extended periods (20 minutes or more). The minimum water pressure required for performance is 40 psi. We recommend 60-65 psi for optimal performance.
3. During the initial use of the RO system, it is necessary to flush the system for 20-30 minutes. This process helps ensure the removal of any residual particles or impurities.
4. It is important to note that all RO systems, including ours, separate water into pure and wastewater lines. The ratio between pure water and wastewater is 1 to 2.5. The wastewater can be collected and reused for purposes such as watering plants, car washing, or other technical needs.
5. The filters in the RO system should be replaced every 8-12 months. For a family of 1-2 members, the recommended replacement interval is 12 months, while for a family of 3-5 members, it is recommended to replace the filters every 8 months.
6. We highly recommend storing drinking water in glass or food-grade containers. Purified water can stay fresh for a few days, up to a week, when stored in the refrigerator. If you store the water at room temperature, it is advisable to use it within 24-48 hours for optimal freshness.

By following these guidelines, you can ensure the effective and safe use of your RO system.



First use.

1. Take the Reverse Osmosis system out of the package and remove the plastic wrap (recommended).
2. Most modern kitchen faucets have an aerator at the end of the spout. Use your fingers to remove it. If the aerator is stuck, you can use pliers to unscrew it. To prevent scratches, wrap some cloth around the aerator before using the pliers.
3. Check if there is a yellow or black o-ring inside the diverter. Sometimes, the o-ring may fall off the diverter. It is crucial to have the o-ring in place as using the diverter without it will result in a 100% leak. If needed, install an adapter before attaching the diverter. For spouts with female threads, screw the adapter onto the faucet spout before attaching the diverter. For faucet spouts with male threads, you can directly screw the diverter onto the spout without using an adapter. Do not use Teflon tape on the connection, as it will cause a 100% leak.
4. Turn the lever on the diverter 90 degrees clockwise to enable perpendicular water flow. Turn on the cold water supply. Never use hot or mixed water supply. During the initial use, it may take 3-4 minutes for water to flow through all the filters. After the first use, it will take 30-60 seconds for pure water to start flowing out.
5. Flush the RO system for 20-30 minutes during the initial use. For regular use, you can start collecting water right away. If your RO system has an alkaline post filter, we recommend waiting for 40-60 seconds before collecting water. The first batch of water may be too alkaline if the filter has been unused overnight. If you use the RO system occasionally, we still recommend waiting for 40-60 seconds before collecting water.
6. This Reverse Osmosis system produces 1 gallon of pure water every 15 to 26 minutes. The flow rate is slow, with water dripping instead of flowing. The Reverse Osmosis Membrane provides 0.0005-micron filtration, making it approximately 1000 times more effective than any water filter without the RO membrane. We highly recommend collecting water in advance, whether on a daily basis, every other day, or less frequently. You can use any type of water container, such as glass or plastic. If you have a kitchen alarm clock, you can set an alarm for 5-19 minutes to remind you to collect the water.
7. If you don't plan to use the RO system for 7-10 or more consecutive days, disconnect it from the faucet. Store the RO system in a cold, dark place with a temperature above 38 degrees Fahrenheit (but not exceeding 60 degrees Fahrenheit). The lower shelf in the fridge is a suitable spot, ensuring the temperature remains above freezing at all times. When you resume using the RO system after a long period of inactivity, flush it for 10-20 minutes before collecting pure water.
8. In case of a leak at the faucet connection, check the following:
 - Ensure that the o-ring is not missing from the diverter. If the diverter screws onto the spout without the o-ring, it will result in a 100% leak.
 - If an adapter is used, there should be two o-rings (spout - o-ring - adapter - o-ring - diverter).
 - If you are not using the adapter, replace the clear o-ring inside the diverter with the black o-ring provided. Check if the leak persists.
 - If the diverter wobbles at the connection, it indicates that your faucet may require a different size of adapter.

If you do not use kitchen alarm/timer, we recommend to place water container and waste water line inside sink to prevent any overspill. If container is full, water spills over and goes to drain not on the floor.

Filters Replacement

Replace filters every 8-12 months. We offer filter replacement sets and assemblies for your convenience. Replacing the filters yourself requires a moderate level of difficulty and typically takes around 30-45 minutes. Alternatively, you have the option to order a replacement ready-to-use assembly. Disconnecting the old unit and reconnecting the new assembly takes only 30 seconds, making it an easy and hassle-free option. If you prefer to avoid the hands-on work of disassembling and reassembling the RO system, this faster and easier option is available to you.

You can find the replacement filter set or ready-to-use assembly on MyAquaFilter.com. This is SKU #

Disconnecting RO system from the spout

If you prefer not to keep the reverse osmosis (RO) system on the countertop, the simplest method is to leave the diverter attached to the spout at all times and disconnect the RO system at the union fitting.



On picture - dual diverter. Single diverter works the same way.

Disconnecting tubing from elbow or union fitting

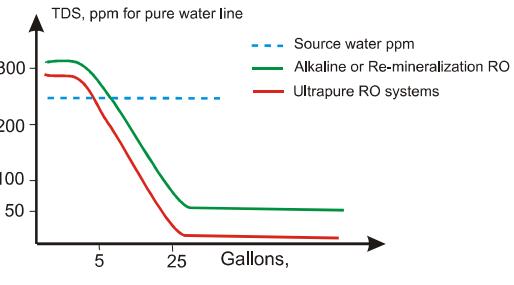


Remove the blue c-ring. Hold the elbow as shown below. Press nail toward the elbow. The same time use another hand to pull tubing out.

Check TDS (total dissolved solids) level

To check the level of total dissolved solids (TDS), you will need a TDS meter. Follow these steps to test your RO system's filtration:

1. Disconnect the 3rd (RO membrane) and 4th stage filters and take a water sample at the fitting (refer to the picture).
2. It is recommended to perform the TDS reading test at least 5-7 days after regular use of the RO system or after passing over 25 gallons of water. During the initial flush, not all carbon dust (which is completely harmless) is eliminated from brand new filter cartridges.
3. Run the water for 1 minute and collect a 3-4 oz water sample in a very clean glass container. Check the TDS level of the sample.
4. Fill another glass with tap water and check the TDS level of the source water.
5. Compare the results of both tests.



Please note that any mineral/alkaline/calcite/KDF filter cartridges will add some minerals back into the water, which can cause a significant increase in the TDS level (up to 60-70 ppm). That's why it is important to take the water sample right after the membrane stage.

Check the pH level (applicable to RO systems with mineral or alkaline post filters)

Follow these steps:

1. Use a digital pH tester instead of test strips, as they tend to be inaccurate. Ensure your pH meter is calibrated by testing it with distilled water or a special solution.
2. Distilled water has a pH of 7, and water with a pH above 7 is considered alkaline. Take a sample of water after the last stage alkaline or mineral filter.
3. If you test your pH meter with distilled water and get a result different from 7, you need to calibrate the pH meter or subtract the deviation from the test result.

Please be advised that the difference in pH between 7 and 8 is not linear but progressive. The difference in pH result between 7 and 8 is 10 times more, and between 7 and 9, it is 100 times more significant.

Package content:

- Reverse Osmosis System with preinstalled membrane and metal diverter
- male x male adapter for standard faucets. Garden/laundry adapter (for some models)
- bag with spare elbow and piece of tubing

One Year Limited Warranty.

What warranty covers:

The Manufacturer will replace defected parts (excluding filters) at no charge within one year of purchase.

Filter cartridges come with 30 day manufacturer warranty against defects. RO membrane - 12 month warranty. Filter cartridges life span varies on local water conditions and volume of water passing through thus is not warranted.

Conditions of Warranty.

- RO System must be maintained according to this manual and services with manufacturer original parts and filters.
- Manufacturer's liability is limited to the cost of repair of the RO system. Manufacturer does not cover any water spills caused by negligence, lack of supervision. Manufacturer is not liable for incidental or consequential damages of any kind. RO system must be maintained according to this manual and recommended procedures.
- This model of RO system may not be connected to undersink since it does not contain auto shut off and check valves.
- Warranty is voided if product failure /damage results from freezing, misapplication.

Limitations and exclusions:

Manufacturer will not be responsible for any implied warranties, including those of merchantability and fitness for a particular purpose. Manufacturer assumes no liability whatsoever for any incidental and consequential damages, including loss of revenue, loss of time, travel expenses, inconvenience, and any damage caused by the equipment and its failure to function.

Product Specification:

Working pressure 40..85 psi. If pressure is below 40 psi, booster pump needed. If pressure is above 85 psi, pressure regular needed.

Working temperature 40 F- 100 F, pH range 5-10

Maximum TDS level: up to 1200 ppm

For use with cold water supply only.

Do not use RO system where source water is unknown, highly contaminated or biologically unsafe.

Do not connect Countertop RO system under sink with constant water supply line. Countertop RO systems are different from traditional undersink RO systems since do not contain auto shut off device (valves)