



Sanitizing Water Purification Systems With A 1 to 4 Gallon Pressure Tank

We recommend sanitizing your RO or RO/DI system approximately once per year. Schedule this process at a time when you are planning to replace your cartridges. These instructions apply to water purification systems with a pressure tank. Before you begin assure that you have about an hour or two available and that your work area and hands are clean. You'll be working with household bleach - prepare the work area accordingly.

Fill a clean container large enough to hold an RO membrane with RO or DI water. Turn off the water supply to the system. Open your faucet and allow the pressure tank to drain completely.

Remove all housings, and remove pre-filters and post-filters from the system including sediment filters, carbon filters, in-line filters, and deionization cartridges. Remove the reverse osmosis membrane(s) and place it in RO or DI water.

Wash housings with a soft brush or cloth in warm soapy water. Rinse thoroughly to remove all soap. Don't forget to carefully remove and wash all o-rings. Lubricate the o-rings with a small amount of food grade silicone grease and reinstall them.

Fill the first prefilter housing $\frac{3}{4}$ full with potable (tap) water and two tablespoons of household bleach. With this sanitizing liquid still in the housing, screw the housing back on to the system. Replace the cap to the RO membrane housing.

Turn on the water supply and allow water to fill the entire system, and assure water is flowing out of the waste line and the purified water line. Close the valve at the DI water output. Place a valve at the end of the waste tube and close the valve. Place the outlet of the drain tube and DI water purified water tube slightly higher than the system to assure these tubes are full of the sanitizing solution. Allow the sanitizing solution to fill the pressure tank with the faucet closed. When the tank is full, open the faucet and allow air and less than $\frac{1}{2}$ cup of sanitizing solution to flow from the faucet. Close the faucet. Shut off the water supply for 30 minutes. The full 30 minute soak may not be necessary in all situations.

Turn the water supply off, remove each vertical housing and discard the sanitizing solution. Reinstall the empty vertical housings. Open the faucet and allow the tank to drain completely. Close the faucet. Turn on the water supply and allow the tank to fill. Turn off the water supply, open the faucet, and drain the tank. Repeat the tank filling and draining 3 or 4 times to completely flush the sanitizing solution from the tank.

Next, close the tank valve, and turn the water on and allow water to drain from the waste tube and the DI water tube for 5 to 10 minutes. After all sanitizing solution has been flushed from the system, remove the vertical housings, install new filters, and reinstall your RO membrane.

We recommend keeping a maintenance record for your system. Record the date of the sanitizing and filter replacement.