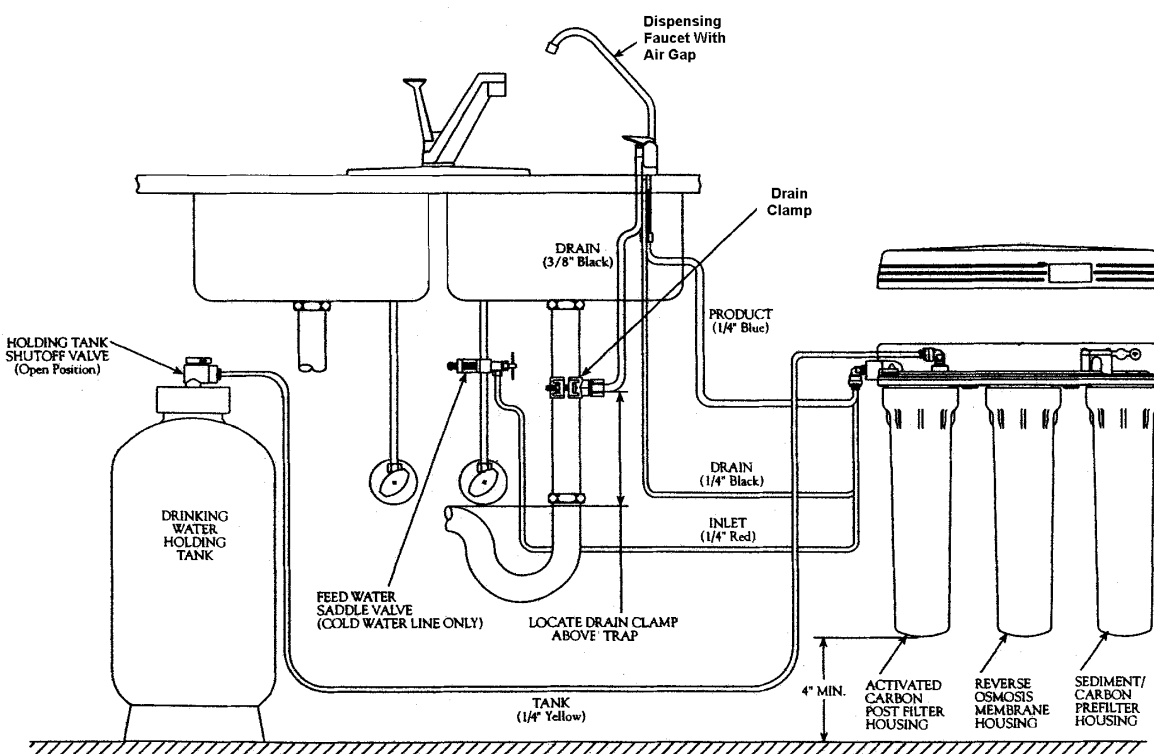


The following is not intended to replace attending technical training programs or reading of installation instructions. It should be viewed as a general discussion about the product, its application, limitations and key factors to remember before purchase.

**PURPOSE and CAPABILITIES:** Reverse Osmosis systems are highly specialized water treatment devices that deal with contaminants at the molecular level. Influent water passes through a membrane that allows water to pass to a storage tank (service) and rejects the contaminants running them to a drain. They work very slowly to produce high quality water and must have significant water pressure in order to work properly. The TDS (total dissolved solids) are significantly reduced through R/O systems.

**LIMITATIONS:** An R/O system must receive water that is pretreated for best results. Iron, manganese, hydrogen sulfide, and hardness should be reduced to minimum levels. They are limited to small quantities of output water per day with CTA (Cellulose Tri Acetate) systems producing 14 gallons per day and TFC (Thin Film Composite) systems upwards of 24 gallons per day. Check the individual specification sheets for requirements and limitations.



**WATER TESTING:** Always test the raw water supply for at least the following: 1) Hardness; 2) Iron; 3) Manganese; 4) pH; 5) Tannins; 6) Hydrogen Sulfide (if rotten egg odor is present); 7) Chlorine (if on treated water supply); and, 8) TDS. Consult specification sheet to check limitations.

**INSTALLATION:** R/O systems are typically installed under the kitchen sink, in closets or basements with a treated line running to the kitchen sink faucet provided with each unit. If "air gap" systems are required in your state or local areas, make certain that you order and install the proper system.

**PROGRAMMING THE SYSTEM:** There is nothing to program on an R/O system. Simply connect to source plumbing and drain line.

**REGULAR MAINTENANCE:** The membrane of an R/O system should be replaced at least every 12 months. The pre and post-filter elements should be replaced every 6 months. It is also advisable to completely drain the system (simply using the faucet) periodically to insure that the water in the storage tank is fresh. Complete maintenance details are included with each set of installation instructions.