

## WATER FILTER/WATER SOFTENER INSTALLATION INSTRUCTIONS.

Before you begin, you will need to have pipe cutters for copper or plastic, fittings, and pipe you will need to complete the installation, pipe glue, teflon tape, backwash line, PVC tee, p trap and stand pipe, if you are installing a backwashing filter or water softener, all of which is available at Lowes and Home Depot and of course some tools, pliers, screwdriver, PVC saw etc.

STEP 1. Shut off your household water supply, if you do not have a shut off valve after your blue pressure tank, you may have to turn the breaker off to the well pump and drain it. Run the nearest cold water faucet or outside hose bib to release pressure and drain water from your plumbing. Once the water has completely stopped you can begin the installation. Have a 4 gallon bucket handy to catch any residual water when you cut into the pipes.

STEP 2. Plan the installation before you start cutting into your plumbing, you have an inlet and an outlet. Typically you will start at the pressure tank which is usually blue, if it's copper pipe coming off the pressure tank we usually plumb it in CPVC, due to the fact the water between the pressure tank and the neutralizer is not filtered, typically the threads on the pressure tank tee are 1 inch on the out side and  $\frac{3}{4}$  threads on the inside, so a  $\frac{3}{4}$  inch CPVC male adaptor and some Teflon tape will get you started. Once you have applied Teflon tape to the male adaptor, (4-6 wraps) insert it into the tank tee, tighten by hand as far as possible, then use pliers or pipe wrench to complete, do not over tighten or you may damage the fitting, once that is done. complete the plumbing to the inlet side of the neutralizer, you will want to install a  $\frac{3}{4}$  or 1 inch CPVC ball valve, depending on pipe size between the pressure tank and the filter or softener for future service, once that is complete you will need a 1 inch CPVC female adapter with o ring inside, and a  $1 \times \frac{3}{4}$  inch CPVC reducing bushing, screw the 1 inch female adapter onto threads of the neutralizer inlet connection hand tighten, if using  $\frac{3}{4}$  inch pipe, glue in the  $1 \frac{3}{4}$  reducing bushing using Oatley CPVC one step glue, repeat the same procedure on the outlet side, continue the plumbing from the outlet side back to the main house line, if your main house line is copper you will need to purchase a coupling that will join CPVC to copper, Home Depot sells a product called Sharkbite fittings which are amazing, you just push both sides of the pipe into the fitting and your done. If you have all CPVC plumbing to begin with than you can start after the

shut off valve, drain the pressure off and then start the installation.

STEP 3. Fill the unit with filter media or softener resin, remember to cover the distributor tube with tape so media does not get in the distributor tube, remember to remove tape before installing the control head. If you did not get calcite with your unit, it is available at your local plumbing supply store, such as Noland Co, Northeastern, Ferguson Supply and some seed and feed stores etc. Calcite is not available at Lowes or Home depot, look in your local Yellow Pages under plumbing supplies to find calcite or Ph neutralizer. Once you have put the media in the tank, mount the control head, if it's an acid neutralizer, screw in the fill cap leave it loose to you can purge the air from the system. Check all fitting connections to make sure they are glued, Oatley glue is yellow so it's easy to see if you missed a fitting or two, then slowly open the water supply valve about ¼ of the way let the filter tank or water softener slowly fill to purge the air out of the system, if your installing a carbon tank, fill the tank 6 inches above the carbon media, with the fill cap off, and wait until the carbon has stopped absorbing water. This will be evident when the bubbling has stopped inside the tank. Make sure a hose bib or cold water side faucet is open before you begin to fill the tank, once water starts to spit from the fill port tighten the fill cap until water stops continue filling the tank until water emerges from the faucet or hose bib then open the supply valve fully, let water run until clear, check for leaks and drips over the next few days, run all fixtures to eliminate any air in the pipes.

If your unit is a backwashing Acid Neutralizer, Filter, or Water Softener, you will have to run a drain line to a sanitary tub, sump pump, existing washer standpipe if at the same level, or you will need to tee into a vertical or horizontal, PVC drain pipe ( you may want to hire a plumber or water treatment installer if cutting into a drain line is required). You will need ½ inch flexible or CPVC pipe to use a drain line, if your updating a system, you can use the existing drain line if it's in good shape.

For technical support call 443 277 2204

NOTE: IF YOU HAVE PEX TUBING YOU WILL NEED TO USE SHARKBITE FITTINGS TO MAKE CONNECTIONS.