

## Installing Your Fleck 7000SE Water Softener



The systems require that a 120 volt standard outlet be available for powering the system. The 7000SE valve has a 5' cord with a special low voltage transformer that will plug into a standard 120 volt outlet.

### Pre-Installation Adding the Resin to the Water Softener Tank

1. Position your new softener unit in place, where you want it to set.

2. Inside your Softener tank is a 1" or 1.25" Pvc tube " called a pilot tube" Use a pvc slip cap or some duck tape to temporarily plug this tube (this is to keep the resin from going down the tube). If your system came with Gravel, add the gravel first, then the resin. Use the special funnel we supplied you, to add the resin to the tank, this will take about 10 minutes to do. After adding the resin, remove the cap, clean the threads on the tank with water were the valve screws onto, and screw the valve on, the tube will slip into the bottom of the valve hole as you are screwing that

valve onto the tank.



Adding resin to the tank.



Screwing valve onto tank.

Make a list of all the plumbing fittings you will need to completely install the unit to make it ready for operation.

Typical is:

- Two - 3/4" male adaptors
- Eight - 90° elbows
- The amount of pipe you need
- 1/2" drain line and 90° elbows

Assemble all tools needed to install the unit. Start your Installation. If copper, you need a copper cutter, propane tank, soldering torch, flux, wire paper and lead free solder. An average cost of \$40.00

NOW THAT YOU HAVE ADDED THE RESIN AND ARE READY TO INSTALL, FOLLOW THESE INSTRUCTIONS

1. Turn off the main water shutoff valve.
2. Open all plumbing fixtures in the house including all outside faucets in order to drain the lines of all the water you can. We have found by unscrewing the aerator screen from your kitchen and bathroom faucets help create more of a vacuum to drain the water out of the lines faster
3. Cut and remove a 4" section of water line where the unit is to be installed if you have a typical straight in and out connection.



NOTE: The unit will be marked either on the back of the valve body itself with the word "IN" and "OUT" and/or on the top of the body of the bypass valve assembly with arrows

Remove PVC tales from bypass valve

Wrap Threads on tales with Teflon tape

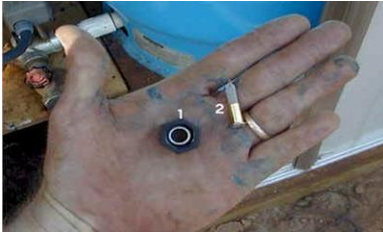
Pick up two- 1" or 1.25" female adaptors available at any hardware store

If using copper, wrap a wet cloth around pvc tales, Solder a 3" to 5" piece copper pipe into each adapter Once you have the copper pipe soldered into these adapters, wait until they are cool enough to touch then screw them onto the tales.

Attach all fittings between main line and tales then proceed to soldier joints starting from the main line working your way up to the water softener.

We do not recommend applying heat from a soldering torch to soldier copper pipe to your new valve/meter assembly. So make sure you wrap the pvc tales with a wet cloth to help heat from transferring.

## Brine Tank Float assembly:



The float assembly is a safety float; it only comes into play if there are failures in the control valve to keep the brine tank from overflowing with water it does not dictate the water level in your brine tank.

Measure from the top of the air check shown as # 6 in photo 10" to bottom of float shown at # 3 in photo, you may have to gently push the float rod thru the rubber gametes to achieve this. Cut any existing rod off.

## Installing Float assembly in Brine well



Slide the float assembly into the brine well shown as # 1 in photo and stick stud into side hole on brine well show as # 2 in photo and secure with the nut we have supplied you

Take the clear tubing that we have supplied and slide it thru the whole in the brine tank and brine well shown as # 3 in photo. Slip the plastic nut from the float assembly over the tube and insert the sleeve into the tube. Now insert tube into top fitting on float shown as

# 4 in photo and hand tighten then snug it up with a small wrench. Note: no tape is required this is a compression fitting.

Take other end of tube slide nut over tube then Farrell which looks like a small round doughnut over tube then insert sleeve into tube. Push tube into side of 7000SE valve and hand tighten then snug up with a small wrench.

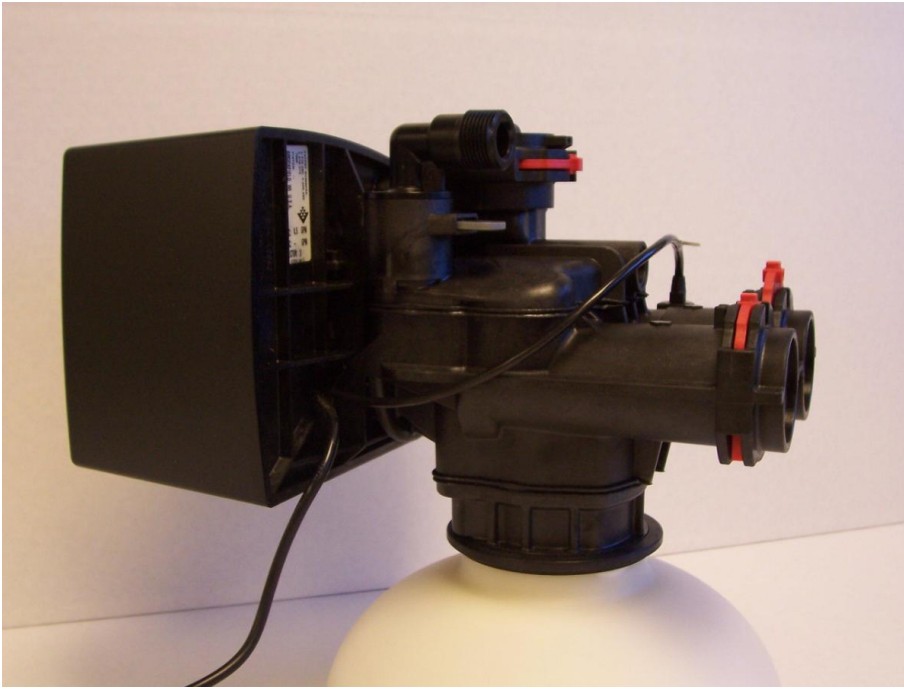
### **Attaching your drain line:**

Note: Do not attach the drain line to the elbow on the brine tank it will overflow the brine tank. Run the drain line to a house drain, where your washing machine drain line goes is an excellent choice, if this is not possible then you can drain into multiple areas, make sure you always leave an air gap if going into a pipe. An air gap is an open area where there is no standing water. Your drain line can be elevated up to 5 feet over and above where it comes out of the valve and you can run it up to 100' away. Always follow local codes.



Slide a 1/2" hose clamp over drain line and then slide drain line over drain hose barb. Slide hose clamp over barb and tube and tighten the hose clamp.

Plug your power cord into a nearby outlet. Plug the metering cable coming out the back of the 7000SE valve into the slot on the outlet side on top of the plastic turbine assembly. As shown in photo below.



### Programming your 7000SE Softener



Set: time of day temporarily to 12:01 PM the PM light has to be lit. This needs to be done in order to get into the programming.

Hold up and down arrow in until DF comes up on screen

Push extra cycle button H-9 = Harness of the water, push the up or down arrow until you get to the hardness of your water.

Push extra cycle button until C-24 comes up on screen. Hit up arrow until you get to the capacity of your system such as 24,000, 32,000, 48,000, 64,000 grain capacity etc...

Push extra cycle button until you get back to the time of day. Reset time to proper time of day.

**Filling your softener with water and purging air from softener:**

Turn all faucets off outside and in home. Slowly open bypass valve on 7000SE valve and let the mineral tank fill with water. When water stops running go to the nearest treated faucet to the Water Softener, unscrew aerator screen if applicable and turn cold water on slowly, this will bleed the air from the tank, let the water run until it clears.

If you sized your water softener using our recommendation then you will go through salt or potassium chloride slowly. Add five gallons of water to brine tank. Add three 40 to 50 pound bags of extra course, pelt salt or potassium chloride to brine tank. The resin is already charged so initial regeneration is not required.

You are finished.

Congratulations!

Please fill free to email some pictures of you new installation and a letter; we will post it on our site for other customers to view.

As always we appreciate your business!