

BIRM OR PYROLOX FILTER INSTALLATION

Discount Water Softeners recommends using a licensed plumber to install your water filter. The following installation instructions are for use with the water filter system you now own. Discount Water Softeners assumes no responsibility for improper installation or injury.

Additional instructions are also in your water filter manual. Please print these instructions and use them in conjunction with your manual for installing and programming your system.

Step 1:

Location of your filter is important. It should be in a protected dry, level and non-freezing area (34-120 degrees F). If you have a water softener, be sure to install the filter in front of (before) the water softener in your home.

Step 2:

You will need a standard outlet that is not controlled by a switch. You should also have a floor drain located nearby.

Step 3:

The riser tube should be placed in the filter tank with the distributor basket end down. The filter tank and riser tube is shown in the following picture. Your riser tube will look slightly different from the one in the picture. It will only have a single up and down tube. Turn the riser tube a couple times to make sure that the bottom basket seats properly in the bottom of the tank. **Make sure the riser tube is in the tank BEFORE YOU ADD THE FILTER MEDIA! If your system came with a small bag of gravel, add the gravel before the filter media.**

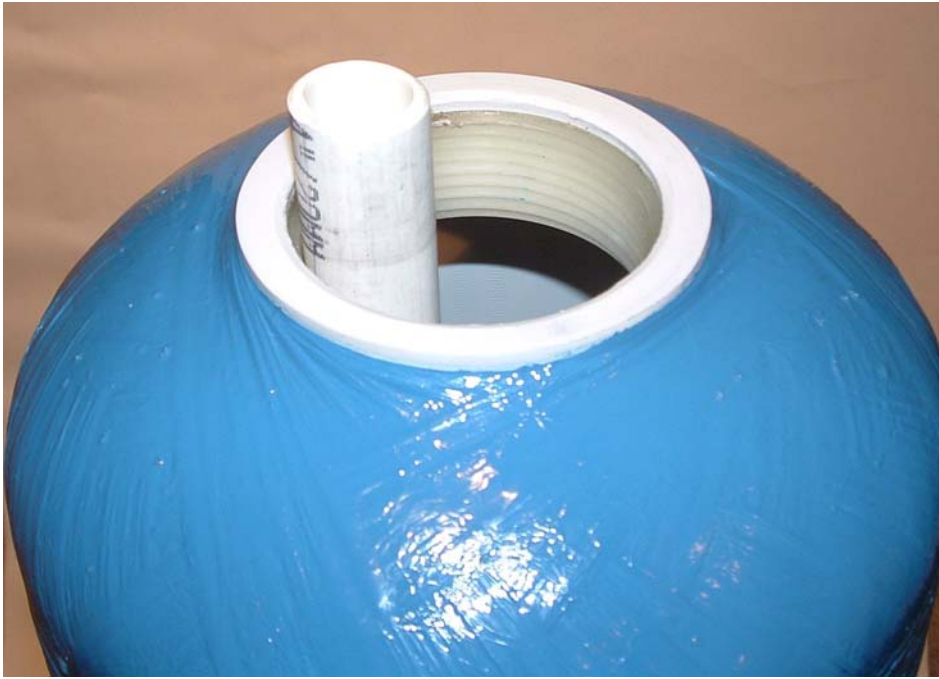


Step 4:

Make sure you place the filter tank shown above where you want to connect it to your water line because it will be heavy a difficult to move after the filter media and gravel are added. Make sure you install your filter in line before your water softener.

Step 5:

Be sure to cover the open upper end of the riser tube with tape or a cap as shown below to keep any gravel or filter media from falling into the riser tube while pouring the gravel or filter media into the filter tank. Remove the tape after filling the tank.



Step 6:

Place the funnel into the filter tank as shown below, and slowly pour the gravel and then the filter media into the filter tank. **Caution: If you purchased a filter that came with a bag containing gravel, you must add the gravel first before the filter media.**



Step 7:

Be careful to keep the riser tube centered as best you can, while filling. Once the filling of the filter tank is completed, **carefully remove the tape or cap from the riser tube. Do not pull upwards on the riser tube.**

Step 8:

The control valve head can now be screwed onto the filter tank. If you purchased a Fleck 7000SE filter system, skip to step 11. Be sure the large O-ring is in place, and lubricated. As you start to screw the control valve onto the tank, make sure the hole in the center of the control valve fits over the riser tube. The control valve should be hand tightened clockwise, snug and tight to eliminate a possible leak.



Step 9:

You are now ready to install the bypass valve and/or yoke to the control valve. For a Turn off main water valve. Water connections to and from filter should now be connected. For Fleck 5600 filter systems you will need to install your bypass along with either your plastic male threaded connections or stainless steel threaded fittings. The plastic or stainless steel fittings will need to be screwed on to your existing piping.

CAUTION: YOU MUST PAY ATTENTION TO THE IN AND OUT ARROWS ON THE VALVE TO BE SURE THE FILTER IS PIPED PROPERLY.



Step 10:

You will need a drain for the backwashing cycles. This should be no longer than 20 feet from the water softener. You will need to purchase this flexible 1/2 i.d. plastic pipe (can be vinyl, polyethylene etc.) and a small clamp to hold the tubing over the fitting. This backwashing drain line will be under high pressure when the backwash cycle is working. Make sure the drain line is secured. The drain line will need to drain into a drain, which should be a minimum of 1 1/2" size, and ideally be below the top of the head of your filter. Local codes should be adhered to. (be sure to use teflon tape on this step). Fleck 5600 Filter system users skip to step 14



Step 11:

The 700SE control valve head can now be screwed onto the softener tank. Be sure the large O-ring is in place, and lubricated. As you start to screw the control valve onto the tank, make sure the hole in the center of the control valve fits over the riser tube. The control valve should be hand tightened clockwise, snug and tight to eliminate a possible leak.



Step 12:

You are now ready to install the bypass valve to the control valve. Use the red clips provided to hold the connection fittings to the bypass and the bypass to the valve. Be careful not to force the red clips on or off the valve as they can break. Turn off main water valve. Water connections to and from filter should now be connected. For Fleck 7000 systems you will need to install your bypass along with either your plastic threaded connections or brass "sweat" fittings. The plastic fittings can just be screwed onto your connections. Brass connections will need to be "sweated" in. **CAUTION: YOU MUST PAY ATTENTION TO THE IN AND OUT ARROWS ON THE VALVE TO BE SURE THE SOFTENER IS PIPED PROPERLY.**



Step 13:

You will need a drain for the backwashing cycles. This should be no longer than 20 feet from the water softener. You will need to purchase this flexible 1/2 i.d. plastic

pipe (can be vinyl, polyethylene etc. and same size will be used for the brine tank overflow) and a small clamp to hold the tubing over the hose barb fitting supplied. This backwashing drain line will be under high pressure when the backwash cycle is working. Make sure the drain line is secured. The drain line will need to drain into a drain, which should be a minimum of 1 1/2" size, and ideally be below the top of the head of your softener. Local codes should be adhered to. On the Fleck 7000 there is a side connection where you will connect this drain line.



Note: Never connect the drain line directly into a drain. Allow an air-gap between the drain line and waste line to prevent possibility of back- siphoning.

Step 14:
INITIAL POWER UP

1. Set your bypass in bypass mode and **slowly** turn on the main water valve to your home until all pipes are pressurized. Now open the bypass valve **SLOWLY**. You do not want to be surprised by leaks. Let the filter tank fill completely, then open the bypass valves the rest of the way. **CAUTION If opened too rapidly or too far, filter media may be lost out of the tank into the valve or the plumbing. In the 1/4 open position, you should hear air slowly escaping from the valve drain line.**

3. Plug the power supply transformer into a socket that is not controlled by a switch or timer.

4. Program your water filter. **Be sure you set the 5600SE or the 7000SE valve up as a Filter-Not a water softener.** (Any of the regular Fleck 5600 valves are already backwashing filter valves and do not need additional programming other than days to backwash). Set the time of day, days to backwash, and backwash times. Here is where you will need to refer your owner's manual and special programming instructions that should have been shipped to you for your particular water filter settings and programming.

5. Once your filter is programmed advance your controller to manual backwash. The backwash process can take a while. **IMPORTANT:** With any filter media (pyrolox especially) we recommend multiple manual backwashes initially to rid the filter of the media dust and fines. Sometimes 2 or 3 manual backwashes will be needed to rinse the media and remove the dust and fines down the drain instead of out to service in your home.

6. Check for any leaks during this initial backwash.

8. Your filter should now be providing you with much cleaner clearer water.