

How to change your filter sand



Step One:

Before you change the sand in your filter, be sure to purchase any items you may need such as a new tank/valve O-ring & O-ring lubricant. Only use pool filter silica sand .45-.55 mm.



Step Two:

To change the sand in your sand filter you will have to remove the multiport valve on the top of your filter.



Step Three:

Before you start to change the sand, make sure you turn off the pool pump.



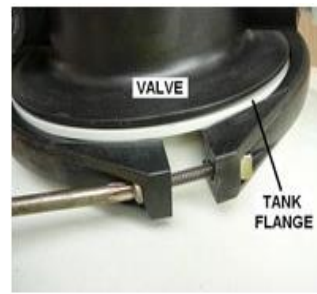
Step Four:

Drain the filter by removing the drain cap on the bottom of the tank.



Step Five:

Remove the Multiport Valve, unscrew unions or remove hoses that connect the piping to the "PUMP" and "RETURN" ports.



Step Six:

Next take off the Multiport Valve flange clamp that holds the filter onto the tank. Screw off both bolts to separate the clamp.



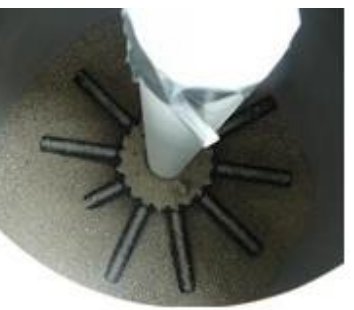
Step Seven:

With a gentle twisting motion, lift the valve off the pipe inside the tank. If you pull too fast or hard, you risk breaking the lateral pipes at the bottom of the tank.



Step Eight:

Cover the top of the pipe to prevent sand from entering and clogging the laterals as you are removing the old sand. Either tape or put a sandwich bag over the pipe and secure with a rubber band.



Step Nine:

Remove sand carefully with a plastic cup until you can see the tops of the laterals at the bottom of the tank. If you have a wet/dry shop vac, it is an easier and faster way to remove your sand.



Step Ten:

Gently pull the pipe and lateral assembly out of the rest of the sand. Then before you pull the assembly out of the tank, carefully rotate the 10 laterals up to the side of the pipe so that they will clear the hole.

Step Eleven:

Check each of the laterals for breaks or cracks and replace as necessary. If the laterals are badly clogged you may want to soak them in a bucket of cleaning solution.



Step Twelve:

Wash out the tank with a garden hose. Check the drain cap for cracks and replace it securely.

Step Thirteen:

Fill tank about 1/2 way full with water to provide a cushion when the sand is poured in. This will help protect the laterals.



Step Fourteen:

Replace the pipe and lateral assembly back inside the tank. Make sure the 10 laterals are rotated up. Place the pipe and lateral assembly inside the tank then open laterals.

Step Fifteen:

After the lateral assembly is inside, carefully rotate the 10 laterals 90 degrees in their down position.



Step Sixteen:

Make sure the pipe is centered in the opening. Tape the top of the pipe to prevent sand from entering and clogging the laterals.

Step Seventeen: Pour sand carefully into the pool sand filter until laterals are fully covered. For this unit, 3 bags should leave at least 6" space between the top of the sand and the top of the filter. Level sand as you pour and make sure the center pipe remains centered in the opening. Be careful when leveling the sand that you do not lift the pipe and lateral assembly up off the bottom of the tank. You will not be able to push the pipe back down without causing the laterals to rotate up.

Step Eighteen: Remove the O-ring on the bottom of the Multiport valve and check it for wear. It's cheap insurance to replace the O-ring whenever you change your sand. Lightly lubricate the O-ring with a silicon lubricant and place it on the underside of the valve.



Final Step: With the pump OFF, depress the multiport valve handle fully and turn it to the BACKWASH position. Make sure that your waste line is rolled out to where you want to dump the pool waste water. Turn the pump ON and run the pool pump for 2 minutes after you have a steady flow of water out the waste line (after the pump is fully primed). This will flush all the impurities or fine sand particles out of the sand media. Turn the pump OFF and move the handle to the RINSE position. Turn the pump back ON and run until the water in the sight glass is clear. This should take no more than 1 minute. Turn the pump OFF and move the handle to the FILTER position. Turn the pool pump ON. This is the normal operating mode for your filter. Note the pressure gauge reading. This is your clean sand filter pressure.