

## **RECHARGING TANK PROCEDURE:**

### **PROBLEMS:**

- When you turn on the spigot you noticed small water pressure from the storage tank.
- When you turn on the spigot, only a quick burst of water comes out of the system, and it slows down to a trickle.
- When you turn on the spigot in the morning, you only can get less than a gallon of water.

If you have the above problems, turn on the spigot until the water slows to trickles, then check the tank by lifting it to see if there is still water in the tank. If the tank feels heavy (more than 10 lbs) you should recharge the tank. The tank should have about 7 psi of air pressure when it is completely empty. The storage tank has a water bladder inside, and it is surrounded by compressed air, so when you turn on the spigot, the compressed air would squeeze or compress the water bladder to force the water out of the tank. When the tank is full the tank pressure can reach about 35 to 50 psi depending on your feed water pressure, but to accurately recharge the storage tank, you should empty the tank then set the air pressure to 7 psi.

### **TOOLS NEEDED:**

- An air compressor or air pump (like a bicycle tire air pump)
- An air pressure gauge that is able to read less than 10 psi
- Adjustable wrench or 5/8" and 9/11" wrench

### **STEPS:**

1. Shut off the water supply to the RO system
2. Turn on the spigot to allow water to run until it stops (you can collect the water if you want)
3. Check to see if there is still water in the storage tank by lifting the tank. If the tank feels heavy, that means you need to recharge to tank and continue the following steps. If the tank feels light, check air pressure, if it's around 7 psi, then you don't need to charge your storage tank at this time.
4. Locate the air valve on the side or on the bottom of the tank. It looks like the air valve on tires. (You may need unscrew the protective cap)
5. Use an air compressor or air pump to pump air into the tank. Keep the SPIGOT TURN ON while pumping air, so that all water inside the tank can be purged out.
6. After all water is been drained, use an air pressure gauge to check the tank pressure.
7. The tank should have 7 psi of pressure when it's empty. Add or purge air if necessary.
8. Turn the feed water valve back on, and turn off the spigot to allow refilling of the tank.
9. Finished

For a 3-stage RO with 10 GPD capacity, it would take about 8 hours to fill the tank, and a 5-stage 25 GPD would take about 4 hours or a 35 GPD capacity would take about 3 hours to fill the tank.

**NOTE:** If after few days of running the system, the problem comes back, then you may consider replace a new tank. Our part number for the tank is # 532, (3.2 - 4) gal. tank