



Bladder Replacement Installation Procedures

(21 Gallons Capacity -120 Gallons Capacity)

1. Remove all existing precharge air in the vessel by depressing on tire valve. Precharge pressure should read 0 psi.
2. Loosen connection piping to vessel. Lay tank on its side for servicing.
3. Start loosening all the bolts on the cover plate (bottom). Start loosening the brass nut on the top center of tank (protected by top plug). This assembly supports the bladder from the inside.
4. Note: Do not loosen bolts if air charge in the vessel is not completely removed! This could lead to serious injuries.
5. Once bolts are removed proceed to lift out the cover plate. Completely remove the cover plate assembly.
6. Check internally to see if there is any remaining standing water. If present remove with wet vacuum. This will help with the removal of the bladder.
7. Proceed to remove rubber bladder from the tank and begin pulling the bladder from the center of opening. Once the old bladder is removed, proceed to clean out any remaining water or debris if present in tank. Allow tank to dry and vacuum out any loose dirt or debris.
8. Lay out replacement (new) bladder in full length. Insert brass threaded flange through top smaller hole on the bladder. Utilize a string to pull this assembly along with bladder through the top cut-out of tank and secure with existing brass nut assembly removed earlier. This must be tighten securely to ensure that air or water will not leak from vessel.
9. Position the collar on the bladder on the tank collar. Ensure that the collar sits well on the tank pad. Visually inspect cover plate assembly for any sharp edges or projection. Replace cover plate assembly and tighten up all the bolts to about 50 lbs. torque.
10. Once all the bolts are tighten, precharge tank to minimum system operating pressure. Allow system connection to be open to atmosphere while tank is charging. This will allow any trapped air in the bladder to escape. Once fill pressure is reached, soap test cover plate and top nut if no leaks are present attach system piping connection.