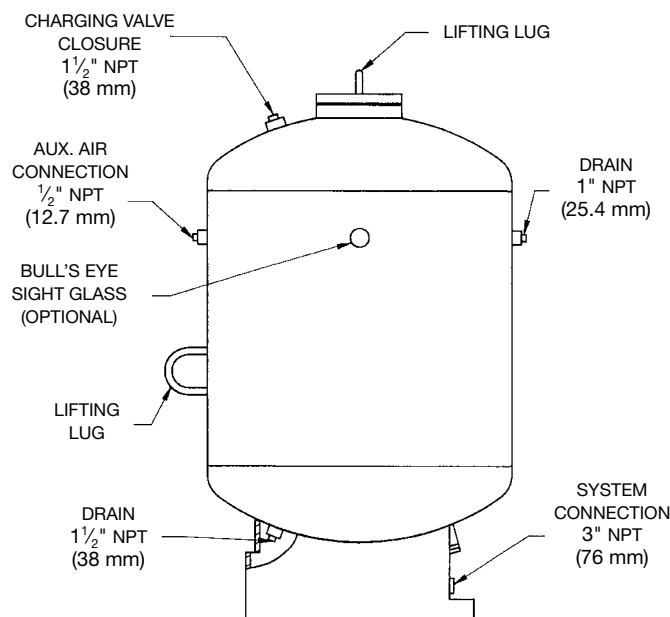


### Removal of Existing Bladder:

1. Isolate and remove the tank from the system.
2. Release tank pre-charge using the Schrader valve provided on the tank.
3. If installed horizontally, remove the drain plug(s) to remove fluid from the tank.
4. Remove bolts and compression rings (**DO NOT DISCARD COMPRESSION RINGS**) from the bottom cover (system connection side). If tank is vertical any fluid within the tank or bladder should drain from the nozzle located at the tank bottom. After draining fluid from the tank and bladder, the bladder nozzle should then be forced up into the tank.
5. Remove the bolts from the cover located at the top of the tank (U-bolt side).
6. Using the top cover U-bolt and a hoist if necessary, slowly remove the bladder from tank. It may be necessary to work the bladder "free" from the nozzle wall at the top of the tank.

### Installation of Replacement Bag:

1. Disassemble top cover from the original bladder by removing the three bolts located under the tank cover.
2. Install the top cover and gasket (position gasket over the tab prior to attaching cover) on the new replacement bladder. (Use all 3 bolts.)



3. Fold the bladder in thirds (lengthwise). Attach a rope to the bottom bladder nozzle (system connection to bladder).
4. Feed the rope down through the top cover opening (nozzle) of the tank and pull the rope out through the bottom/system connection nozzle.
5. Feed/insert the bladder into the top of the tank while pulling the rope from the bottom nozzle of the tank pulling the bladder nozzle out of the tank and over the tank flange (bladder flange acts as the gasket on bottom nozzle).
6. Insure the bladder has not twisted during installation. (A twist in the bladder will obstruct the flow of fluids in and out of the bladder as well as hindering the proper flexing of the bladder.)
7. Re-install all plugs removed during disassembly/draining. Use teflon tape at all plugged connections.
8. Re-install the top and bottom (**INCLUDE COMPRESSION RINGS AROUND EACH BOLT IN THE BOTTOM COVER REASSEMBLY**) covers on the tank. Insure that the bolts are tightened evenly.
9. Pre-charge the tank to the highest available pre-charge (**DO NOT EXCEED 90 PSI**) and then spray all connections, drains, nozzles, etc. with a soapy water solution.
10. If the soapy water solution develops "bubbles", the tank is leaking air from the area being tested. Remove pre-charge pressure from tank using the Schrader valve and re-tighten, re-tape, etc. the leaking area. Retest tank beginning with Step 9. Should no leakage be observed proceed to Step 11.
11. Adjust tank pre-charge pressure using the Schrader valve to the original system requirements.
12. Re-connect the tank to the system.

