



SINCE 1908
wessels
company

SERVICE

TYPE: INSTALLATION AND OPERATION INSTRUCTIONS

MODELS: SSA-Series Vessels

Submittal Sheet No. S-0530

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APPLICATION

In a **well water system** the SSA-Series vessel is installed at the discharge of the pump. In this position, the system will be subjected to the minimum and maximum pressures established by the pump controls.

In a typical **booster system**, the SSA-Series vessel is installed between the pump discharge and a pressure reducing valve. In this position the tank can store the water supplied by the pump between the system pressure and the pump shut off pressure. This water is then returned to the system when the pump is off.

In a typical **surge suppressor** application the SSA-Series vessel is installed at a point in the system where momentary surges of system pressure can be captured and absorbed, protecting critical fittings, fixtures and equipment associated with the piping system.

INSPECTION

The SSA-Series vessel should be fully inspected prior to installation. The pre-charge for the vessel is factory set for 30 psig. Insure the tank exhibits this pre-charge level and adjust accordingly. **NOTE: Tank MUST be pre-charged to system design fill pressure BEFORE placing into operation.** If the system has been filled, the tank must be isolated from the system and the tank emptied before charging. This ensures all fluid has exited the tank and proper charging will occur. If pre-charge adjustment is necessary, oil and water free compressed air or nitrogen gas may be used. Check the pre-charge using an accurate pressure gauge at the charging valve and adjust as required. Check air valve for leakage. If evident, replace with schraeder type tire valve core. Do not depend on the valve cap to seal the leak. Inspect the vessel openings (NPT and Flange connections) and insure that surfaces are clean and free of debris.

INSTALLATION

Set tank in place and pipe system connection to system. Be sure to include isolation valve(s) and drain. Do not loosen nuts on cover/inspection plates. Cover plate nuts should only be removed when servicing the bladder, and then only after the air pressure in the tank has been bled off to zero gauge pressure. Purge air from system BEFORE placing tank into operation.

