

## Installation & Start Up & Maintenance Procedures for Niles Steel Tank Water Storage Vessels



### Important Notice:

Incorrect installation can cause rapid failure of water tanks due to electrolysis. It is vital that this risk is reduced by the use of dielectric connections, isolation of the tank supports, proper grounding techniques and regular anode servicing. Installers must be aware of correct isolation procedures and local plumbing codes. For assistance please call: 269-683-1910.

Overspray on topcoated tanks may hide some fittings. Prior to filling the system, check all fittings and connections and compare fitting locations to the approved drawing to ensure all fittings are capped, sealed or piped to.

After installation, fill the system and run at operating temperature for at least one day in a closed loop mode. Then drain system, and re-fill.

The tank should be installed in such a manner that should the tank or any connections leak, the resulting flow of water will not cause damage.

### GLASS LINED VESSELS:

Anodes should be checked and cleaned every six months. Should their diameter be reduced by 20% or more, they should be replaced.

Niles Steel Tank supplies 25 grams of anode per square foot of tank area.

Replacement anode rods are available from Niles Steel Tank, please specify tanks size when ordering.

### MANWAY INSTALLATION:

NOTE: Not all tanks are equipped with a manway. Niles Steel Tank manufactures hot water storage tanks under the ASME code HLW section of the ASME code, which requires a manway on hot water storage vessels over 36" diameter. If your vessel has a manway, please follow these procedures:

Manway covers and gaskets are shipped in place so they will not be lost in shipment. The bolts are NOT tightened, so be sure to check for shifting of the gasket due to vibration in transit.

The bolts are not tightened completely so that the tank can be opened and cleaned and inspected prior to service. Once the manway bolts are fully torqued, the gasket cannot be re-used. Use only a 12" crescent wrench. DO NOT use any persuasion bars or pry bars to tighten.

For final assembly, of the manway, the gasket must cover the surface of the ring 100% and project slightly on each side of the ring. The bolts should be tightened before that tank has been pressurized and then re-tightened when the tank is at operating pressure.

DO NOT use adhesives, glues, epoxies, or other such materials to secure the gasket in place. Use only the gasket that was supplied with the manway. If additional gaskets are required, or a replacement is needed, please contact Niles Steel Tank at 269-683-1910.