



## INSTALLATION, START-UP AND MAINTENANCE PROCEDURES FOR HOT WATER STORAGE TANKS

### **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 and regular anode servicing. Installers must be aware of correct procedures. For assistance please contact the manufacturer.

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. The manufacturer supplies 25 grams of anode per square foot of tank area. Replacement anode rods are available from the manufacturer, please specify tanks size when ordering.

### **MANWAY INSTALLATION**

**NOTE:** Not all tanks are equipped with a manway. Tanks are manufactured under the ASME code HLW section of the ASME code, which requires a manway on diameters of 42" and above. 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 retightened 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 manufacturer.