

INSTALLATION AND START-UP PROCEDURES FOR GLASS LINED 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.

After installation, fill the system and run at operating temperature for at least one day in a closed loop mode. Then drain system, to flush any debris from the tank.

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.

A good policy is to monitor the condition of the inside of the tank periodically, so that any deterioration of the lining can be caught before a leak occurs.

Glass Lined Tanks

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

We supply 25 grams of anode per square foot of tank area (glass lined tanks only).

Replacement anodes are available by contacting your local Representative.

Cement Lined Tanks

Cement lined tanks must be kept closed so that the cement can remain moist and will cure without cracking. If the lining is inspected and repaired at least every three years while in service, its life will be lengthened substantially.

Manway Installation

Manway covers and gaskets are shipped in place so they will not be lost in shipment. The bolts are not tightened. The gasket may shift due to vibration in transit.

The bolts are not tightened completely so that the tank can be opened and cleaned prior to service. Once the manway bolts are fully torqued, the gasket often cannot be reused.

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 the tank has pressure, and then re-tightened when the tank is at operating pressure.

Only the gasket should be used. Do not use glues or materials such as Permatex to assist the gasket seal. These can cause the gasket to creep under pressure, and/or make the cleanup for later installation of a new gasket very difficult. Specifications