

Typical Specification for Lochinvar[®] Round Jacketed Lock-Temp[®] Storage Tank

The **STORAGE TANK** shall be a Lochinvar Lock-Temp "Energy Saver" tank, Model _____ with (vertical/horizontal) construction having a storage capacity of _____ gallons. The tank shall be constructed with an inner chamber baffle designed to receive all circulation to and from the water heater to eliminate turbulence in the tank. The baffled tank shall supply 80% of tank capacity without a drop in outlet temperature, regardless of rate of draw.

The **STORAGE TANK** shall be constructed in accordance with (Standard) (ASME Boiler and Pressure Vessel Code) requirements, (if ASME – "HLW" stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors). The tank shall be furnished with the following connections: two 3" NPT circulating connections (2-1/2" NPT on 175 & 200 gallon, 2" NPT on 80, 85, 100, & 120 gallon), one 2" NPT hot water outlet, one 1-1/4" NPT relief valve connection (1" NPT on tanks with diameters 28" and smaller), one 3/4" NPT aquastat opening and one 1" NPT drain connection (3/4" NPT drain connection on tanks with diameters 28" and smaller) (special size connections may be specified).

The **STORAGE TANK** shall have a working pressure of 125 PSI (150 PSI). The interior of the **STORAGE TANK** shall be (glass lined and fired to 1600° F to ensure a molecular fusing of glass and steel, furnished with magnesium anodes and carry a five (5) year limited warranty) (Cement lined and carry a five (5) year limited warranty).

The **STORAGE TANK** shall be constructed with a heavy gauge galvanized steel jacket assembly, primed and pre-painted on both sides with a minimum dry film thickness of 0.70 mills. The **STORAGE TANK** shall be completely encased in a minimum of 2" thick, high density polyurethane foam insulation to meet the energy efficiency requirements of the latest edition of the ASHRAE 90.1 Standard.

The jacket dimensions shall be _____" wide, _____" deep and _____" high.

OPTIONAL: Storage tanks shall be furnished with a (handhole, manway) for ease of inspection, cleanout, and service.

NOTES: A manway is standard on Cement lined tanks (Cement lining is not available on tanks with diameters 28" and smaller). Handhole cleanouts and manways are not available on Non-ASME tanks. Tanks with diameters 28" and smaller are 150 PSI.