



# Thermal Expansion Tank “Typical Specification ASME Vessels”

## **THERM-X-TROL® , Expansion Tank**

The pressurization system shall include an THERM-X-TROL®, diaphragm or bladder type expansion tank which will accommodate the expanded water of the system generated within the normal operating temperature range, limiting this pressure increase at those components in the system to the maximum allowable pressure at those components. It shall maintain minimum operating pressure.

Furnish and install as shown on plans a \_\_\_\_\_ gallon, \_\_\_\_\_ in. diameter X \_\_\_\_\_ in. (high) AMTROL, model ST- \_\_\_\_\_ (-C).

The expansion tank shall be welded steel, constructed, tested and stamped in accordance with Section VIII, Division 1 of the ASME Code for a working pressure of (125) (150) \_\_\_\_\_ PSIG, factory air pre-charged and field adjustable. All welds conforming to ASME Section IX. All internal parts must comply with FDA regulations and approvals.

The tank shall be supported by steel legs or a base (integral ring mount) for a vertical installation. Each tank shall have a steel shell and an internal butyl/EPDM diaphragm or butyl bladder with code approvals NSF/ANSI 61 used to isolate the air charge from fluid.

The manufacturer shall be AMTROL Inc. The manufacturer shall have at least five years experience in the fabrication of bladder / diaphragm-type ASME expansion tanks.



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