



THERMAL EXPANSION TANKS

TYPICAL SPECIFICATIONS

THERM-X-TROL® ST-C Series Thermal Expansion Tank

The potable water heating system shall include a THERM-X-TROL, diaphragm or bladder type expansion tank which will suspend expanded water created within the normal operating temperature range. By function, the tank will limit pressure increases at all system components to their maximum constructed allowable pressure, maintaining system nominal 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 construction, 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 to 55psi, requiring a field adjustment to match system static pressure prior to installation. All welds conforming to ASME Section IX. All internal parts must comply with NSF regulations and approvals. The tank shall be either suspended or constructed with a base (integral ring mount) for a vertical installation. Each tank shall be provided with an internal butyl/EPDM diaphragm or butyl bladder to isolate the air charge from system water. Diaphragm tanks shall be internally lined with a Polypropylene material fitted to the tank shell, infused with silver ion, tested to ISO Standard JIS Z 2801 to suppress Legionella, E. Coli, and Staph among others. Diaphragm tanks shall include a flow diverting turbulator to reduce water stagnation. All ASME tanks shall be provided with a free from factory construction defects warranty for a full 3 years from date of installation.

THERM-X-TROL® ST-CDD Series Thermal Expansion Tank

The potable water heating system shall include a THERM-X-TROL, diaphragm or bladder type expansion tank which will suspend expanded water created within the normal operating temperature range. By function, the tank will limit pressure increases at all system components to their maximum constructed allowable pressure, maintaining system nominal operating pressure. Furnish and install as shown on plans a _____ gallon, _____ in. diameter X _____ in. (high) AMTROL, model ST-_____-(-CDD). The expansion tank shall be welded steel, form constructed in the deep-drawn extrusion method, 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 to 55psi, requiring a field adjustment to match system static pressure prior to installation. All welds conforming to ASME Section IX. All internal parts must comply with NSF regulations and approvals. The tank shall be either suspended or constructed with a base (integral ring mount) for a vertical installation. Each tank shall be provided with an internal butyl/EPDM diaphragm or butyl bladder to isolate the air charge from system water. Diaphragm tanks shall be internally lined with a Polypropylene material fitted to the tank shell, infused with silver ion, tested to ISO Standard JIS Z 2801 to suppress Legionella, E. Coli, and Staph among others. Diaphragm tanks shall include a flow diverting turbulator to reduce water stagnation. All ASME tanks shall be provided with a free from factory construction defects warranty for a full 3 years from date of installation.



1400 Division Road, West Warwick, RI 02893 USA
T: 800.426.8765 www.amtrol.com

