



THERM-X-SPAN®

THERMAL EXPANSION TANKS FOR POTABLE WATER

INSTALLATION & OPERATION INSTRUCTIONS

Models T-5A and T-12A

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

IMPORTANT GENERAL SAFETY INFORMATION -

ADDITIONAL SPECIFIC SAFETY ALERTS APPEAR IN THE FOLLOWING INSTRUCTIONS.



THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY AND OTHER HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO REDUCE THE RISK OF PERSONAL INJURY AS WELL AS PROPERTY DAMAGE.

WARNING READ CAREFULLY THE PRODUCT INSTALLATION, OPERATING AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE INSTRUCTIONS AND WARNINGS IN THE MANUAL MAY RESULT IN SERIOUS OR FATAL INJURY AND/OR PROPERTY DAMAGE, AND WILL VOID THE PRODUCT WARRANTY. FOLLOW ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS, IN THE ABSENCE OF SUCH CODES, FOLLOW THE CURRENT EDITIONS OF THE NATIONAL PLUMBING CODE AND NATIONAL ELECTRIC CODE, AS APPLICABLE.

WARNING This Product, like most Products under pressure, may over time corrode, weaken and burst or explode, causing serious or fatal injury, leaking or flooding and/or property damage. To minimize risk, periodically inspect the Product. A drip pan connected to an adequate drain must be installed if leaking or flooding could cause property damage. Do not locate in an area where leaking could cause property damage to the area adjacent to the appliance or to lower floors of the structure.

WARNING RUPTURE OR EXPLOSION HAZARD A relief valve must be installed to prevent pressure in excess of local code requirement or maximum working pressure designated for this Product whichever is less. Do not expose Product to freezing temperatures or temperatures in excess of 130° F. Do not adjust the pre-charge or re-pressure this Product except for any adjustments required at the time of initial installation, especially if Product is corroded, damaged or with diminished integrity. Adjustments to pre-charge must be done at ambient temperature only. Failure to properly size the Product or follow these instructions may result in excessive strain on the system lead to Product failure, serious or fatal personal injury, leakage and/or property damage.

WARNING Chlorine & Aggressive Water: The water quality can significantly influence the life of this Product. You should test for corrosive elements, acidity, total solids and other relevant contaminants, including chlorine and treat your water appropriately to insure satisfactory performance and prevent premature failure.

Note: Inspect for shipping damage and notify freight carrier or store where purchased immediately if damage present. To avoid risk of personal injury and property damage, if the product appears to be malfunctioning or shows signs of corrosion, call a qualified professional immediately. Current copies of the Product manual can be viewed at www.waterworkerdiy.com. Use proper safety equipment when installing.

WARNING Use only with residential potable water system. Do not operate in a setting with freezing temperatures or where the temperature can exceed 130° F and do not exceed the maximum working pressure specified for this Product. Mount vertically beneath piping only. Do not use on systems with ASME rated vessels.

WARNING EXPLOSION OR RUPTURE HAZARD! A relief valve must be installed to prevent pressure in excess of local code requirement or maximum working pressure designated in the Product Manual, whichever is less. At least once every 3 years or if discharge is present, inspect the temperature and pressure relief valve and replace if corrosion is evident or the valve does not function. FAILURE TO INSPECT THIS VALVE AS DIRECTED COULD RESULT IN UNSAFE TEMPERATURE OR PRESSURE BUILD-UP WHICH CAN RESULT IN PRODUCT FAILURE, SERIOUS INJURY OR DEATH AND/OR SEVERE PROPERTY DAMAGE AND VOID THE PRODUCT WARRANTY.

WARNING FAILURE TO PROPERLY SEAL VALVE CAP WILL RESULT IN LOSS OF PRECHARGE CAUSING PRODUCT TO FAIL.

WARNING This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

PRE-INSTALLATION

1. Remove valve cap and adjust air charge to match cold water supply pressure. Replace cap tightly to prevent air loss.
2. Identify an installation point on the cold water line between the water heater and backflow preventor or other one-way device.

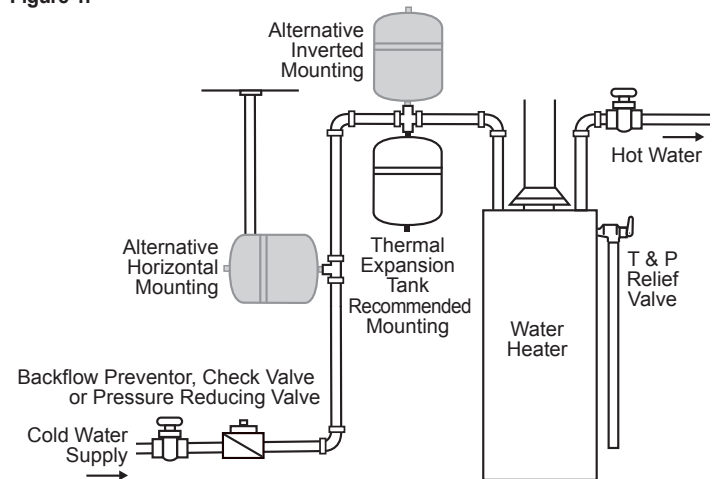
INSTALLATION

WARNING For the best tank performance, mount with the water connection up in accordance with Figure 1. If it is not possible to mount in the recommended position, inverted or horizontal mounting is permissible. If alternative mounting is used, the body of the tank must be fully and rigidly supported to hold the entire weight of the tank when full of water. Supporting the tank in this manner will reduce the effects of vibration and shock. Failure to properly support the tank can place stresses in areas of the tank that are not designed to withstand such stresses.

T-5A and T-12A Series Direct Connection

1. Shut the cold water supply off and relieve water pressure.
2. Install a pipe tee with a 3/4" NPTF threaded connection.
3. Thread the tank into the tee using pipe sealing tape or paste.
4. Open the cold water supply and check for leaks.

Figure 1.



MAINTENANCE

The installation should be inspected annually and more often as the system ages. Check for signs of corrosion and indicators of excessive water pressure levels, if any are present the unit should be replaced.

WARRANTY

All models come with a 5-Year Limited Warranty. Visit www.amtrol.com for complete warranty details.



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