STREAM33 THERMAL EXPANSION TANK INSTALLATION WARNINGS & OPERATING INSTRUCTIONS

Stream33 tanks are engineered to safely maintain optimal water pressure levels in domestic water heating systems. Thermal expansion tanks work in conjunction with a backflow preventer or check valve. Stream33 Thermal Expansion Tanks are equipped with a stainless steel system connection and have a corrosion-resistant, appliance grade finish. Inside each tank is a heavy-duty, butyl rubber diaphragm encased with a polypropylene liner where the water is separated from the pre-charged air chamber.

SPECIFICATIONS

Tank - 16 gauge rolled steel
Finish -Appliance grade paint for indoor installation
Water Chamber - 100% butyl rubber, lined with polypropylene
Connection - 304 Stainless steel
Air Valve - Brass with o-ring seal
Warranty - One years
Maximum working pressure - 150 psig
Maximum working temperature - 200° F (internal and external)
Tank Pre-charge - 35 psi
Maximum Pre-charge - 80 psi

HOW STREAM33 WORKS

A Stream33 Thermal Expansion Tank is a safety device that prevents dripping valves and extends the overall life of the heating system. Once attached to the cold water inlet of the water heater, a reservoir for the expanded water is maintained inside the tank. A closed loop domestic water system may also include a backflow preventer, water meter with a check valve, or any other "no return" valve. Once when water is heated, it expands causing unsafe operating pressures and continual operation of the water heater safety relief valve. Stream33 tanks prevent this from occurring by allowing water to enter the tank and safely releasing it back into the system on demand.

PRODUCT INSPECTION

Prior to installation, inspect the tank for damage that may of occurred during shipping. If any portion of the tank is dented, bent, or scratched, return the product to the original point of purchase for a replacement.

PRE-CHARGE ADJUSTMENT

⚠WARNING

Do not attempt to adjust the tank pre-charge once installed on the system and under the system pressure. The expansion tank should be pre-charged to the incoming system water pressure but must not exceed 80 psi. Failure to properly adjust the pre-charge will shorten the life of the product.

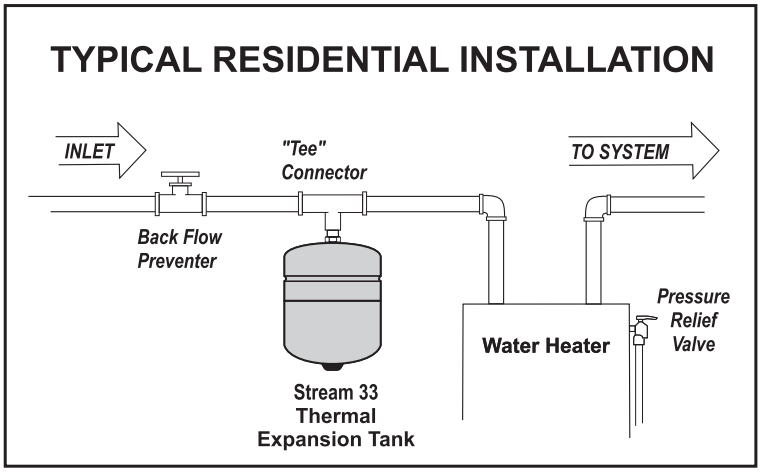
Stream33 Thermal Expansion Tanks ship with a factory pre-charge of 35 psi. Any adjustment to the factory pre-charge must be done prior to initial tank installation or with O psi pressure in the system.

Step 1
Remove the protective cap from the air valve located on the bottom of the tank.

Step 2
Check the tank pre-charge using a standard tire pressure gauge.

Step 3
If required add air to the tank using a manual bicycle tire pump until the proper pre-charge pressure is reached.

Step 4
Replace the protective cap on the air valve.



TANK INSTALLATION

⚠WARNING

Before installing, disconnect or turn off the electrical power source to the water heater, turn off the water supply to the system, and remove all water pressure from the system. Failure to turn off the electrical and water supply and releasing the water pressure could result in serious injury or death and or property damage.

Be sure to choose an installation location where a water leak will not cause property damage and that is not subject to freezing. Over an extended period of time, it is possible that the expansion tank or the pipes could leak. Selecting a location were there is proper water drainage is ideal. Stream33 is not responsible for water damage that may occur in association with the expansion tank installation.

The tank can be installed in a vertical or horizontal position. Although the tank is designed to be supported by the system pipe work, before installing make sure that there is adequate means of supporting the system piping. Add additional strapping, brackets or pipe hangers to the system piping as needed.

Install the expansion tank in the incoming water line to the water heater between the water heater and the backflow preventer or check valve. Proper thread sealant must be used to ensure a leak free installation.

Open a hot water faucet prior to turning on the water supply to system to remove air from the system piping. Failure to do so might cause damage to the water heater. Once the water supply is turned on, inspect the installation for water leaks paying close attention to the connection between the expansion tank and the piping. Follow the water heater manufacture(s) instructions for proper start-up of the heater and the system.

MAINTENANCE

Stream33 recommends annual inspections of the expansion tank and system by a qualified professional. Visually examine the tank and the system connection for signs of water leaks or corrosion on the tank exterior and connection.

Should the tank show visible signs of leaking, corrosion or rusting, replace it immediately to avoid personal injury or property damage. Do not attempt to adjust the tank air pressure if there are any signs of corrosion on the tank. Failure to follow these instructions may result in serious injury or death and or property damage.