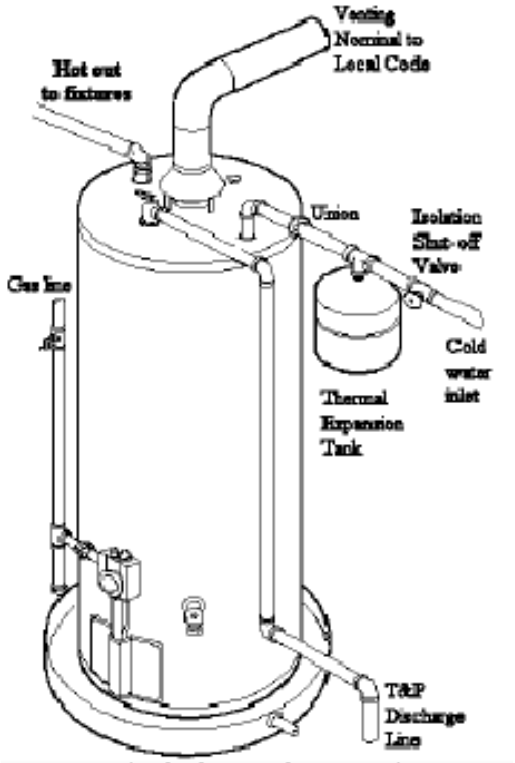
Are you *building* a new home or *replacing* an existing water heater?

Protect your water heater from thermal expansion.

What is Thermal Expansion in your water heater?



Typical Thermal Expansion Tank Installation

When water is heated it expands. This is because when water is heated its density decreases and its volume expands. Since water is not compressible, the extra volume created by expansion must go someplace. Many years ago this expansion would merely go back into the water system. Since all water systems are required to install back flow preventers on all services this eliminated the path for expanded water to flow back into the water system.

One of the most common problems with thermal expansion is the chronic and continuous dripping of a temperature and pressure relief valves. Water that is allowed to continuously drip from a T&P Valve may eventually become clogged due to mineral buildup. This renders the valve useless and could potentially lead to hot water tank rupture or explosion.

Please contact Monroeville Water Works, your local electric or gas provider, or any certified plumber if your water heater T& P Valve is dripping.

Temperature
and
Pressure Relief Valve

What is a Temperature and Pressure Relief Valve?

Each water heater manufactured is equipped with a temperature and pressure relief valve. Temperature and pressure relief valves, also called T&P valves, are emergency safety limit devices that will relieve overheated water or pressure. Without a relief valve during an unsafe condition, the pressure could rise to the point the tank might rupture or explode. This would cause potential damage to both people and property.

How can you protect your water heater from thermal expansion?

Expansion Bladder Tank

The cost-effective solution is to install a thermal expansion tank. A thermal expansion tank receives the water created by thermal expansion and stores it until hot water is required in the home. This process is repeated many times a day.