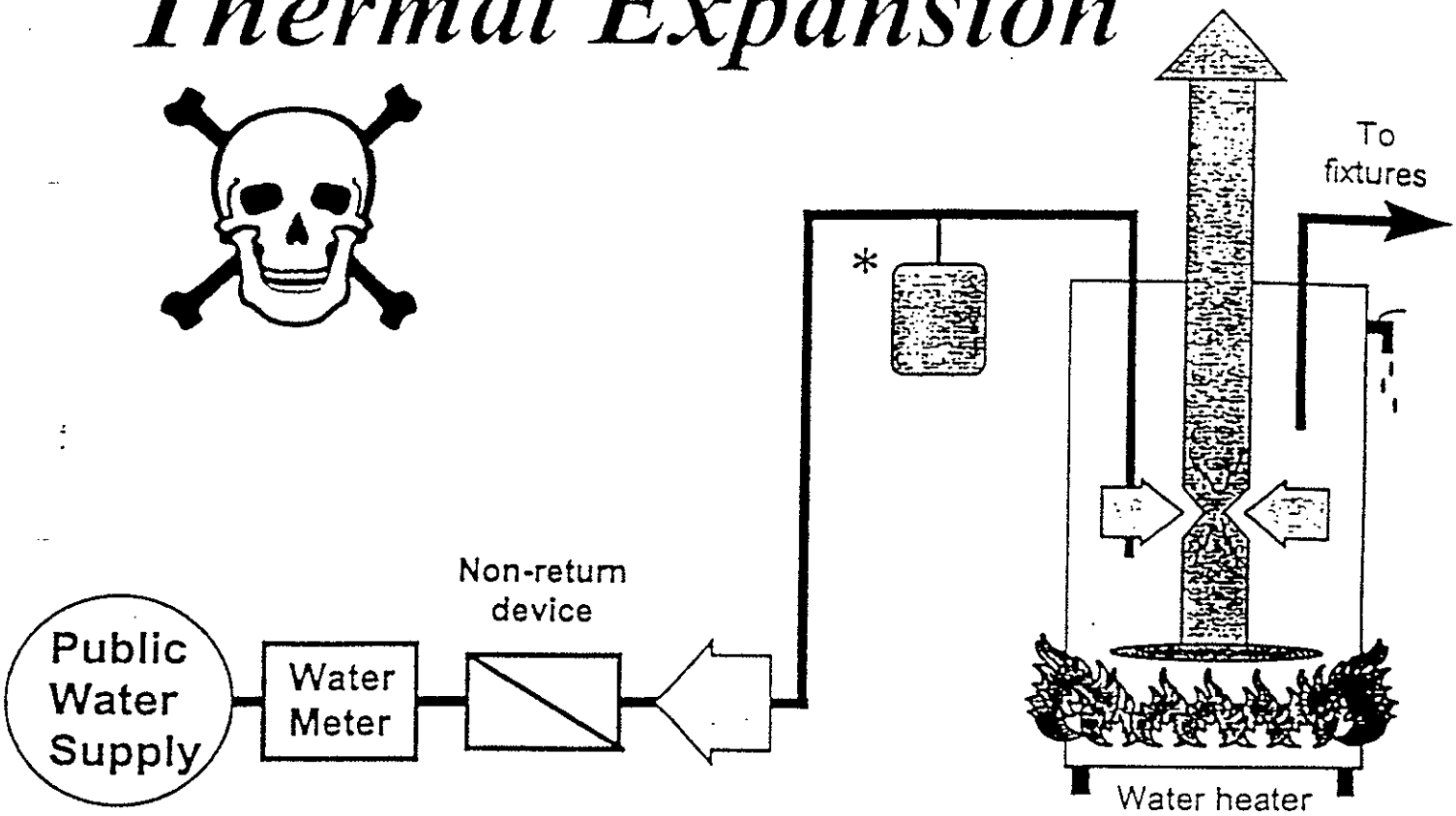
Thermal Expansion



With "non-return devices" installed in domestic water piping systems, thermally expanded water is prevented from flowing back into the public water supply. The result is a "closed domestic water system" in which dangerous pressures increases may cause flue collapse, flame roll out, plumbing fixtures and the water heater relief valve to leak, and Carbon Monoxide.

* A thermal expansion tank installed between the "non-return device" and the water heater will relieve dangerous pressures caused by thermal expansion.

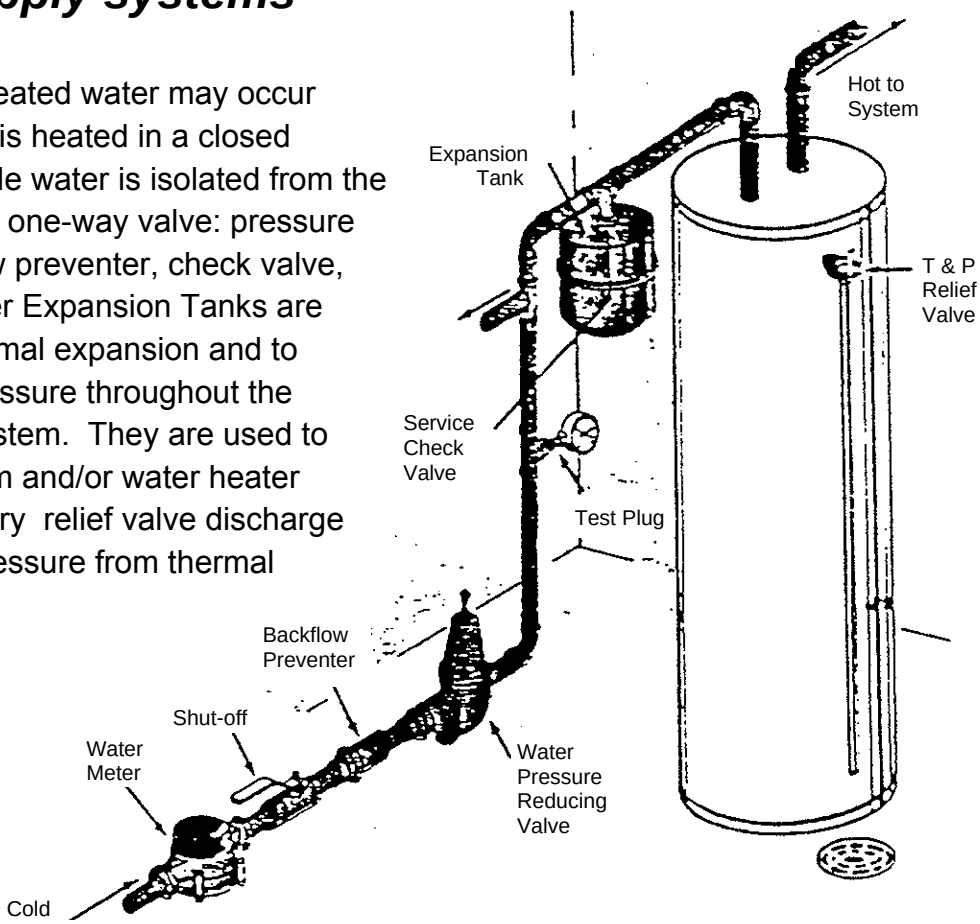
Consult with your licensed plumbing contractor to address your thermal expansion needs.

The El Paso Water Utilities - Public Service Board, Cross-Connection Control Program Manual of Procedures, states: "The installation of "non-return devices" such as backflow prevention assemblies, check valves, dual check valves, pressure reducing or regulating valves, and in some instances water softeners between the water service connection and the premises domestic water heater may create a "closed domestic water system." It is the responsibility of the customer to control thermal expansion created by the installation of any device that prevents relief through the building supply."

Call 594-5777 for more information.

Control Thermal Expansion in hot water supply systems

Thermal expansion of heated water may occur wherever potable water is heated in a closed system (when the potable water is isolated from the public water supply by a one-way valve: pressure reducing valve, backflow preventer, check valve, etc.). The Potable Water Expansion Tanks are designed to absorb thermal expansion and to maintain a balanced pressure throughout the potable water supply system. They are used to prevent plumbing system and/or water heater damage and unnecessary relief valve discharge caused by excessive pressure from thermal expansion.



Control Thermal Expansion in hot water heating systems