

THERMAL EXPANSION TANK (SUSPENDED)

7.6.1.16.(1) Thermal Expansion. Protection against thermal expansion shall be required when a *check valve* is required by Article 7.6.1.10., a *backflow preventer* is required by Article 7.6.2.2., or a pressure reducing valve is required by Article 7.6.3.3.

A-7.6.1.16.(1) Thermal Expansion. Closed water systems with no expansion to public water systems need to accommodate thermal expansion using one of the following:

(i) an expansion tank designed for use on the cold or hot potable water system , or

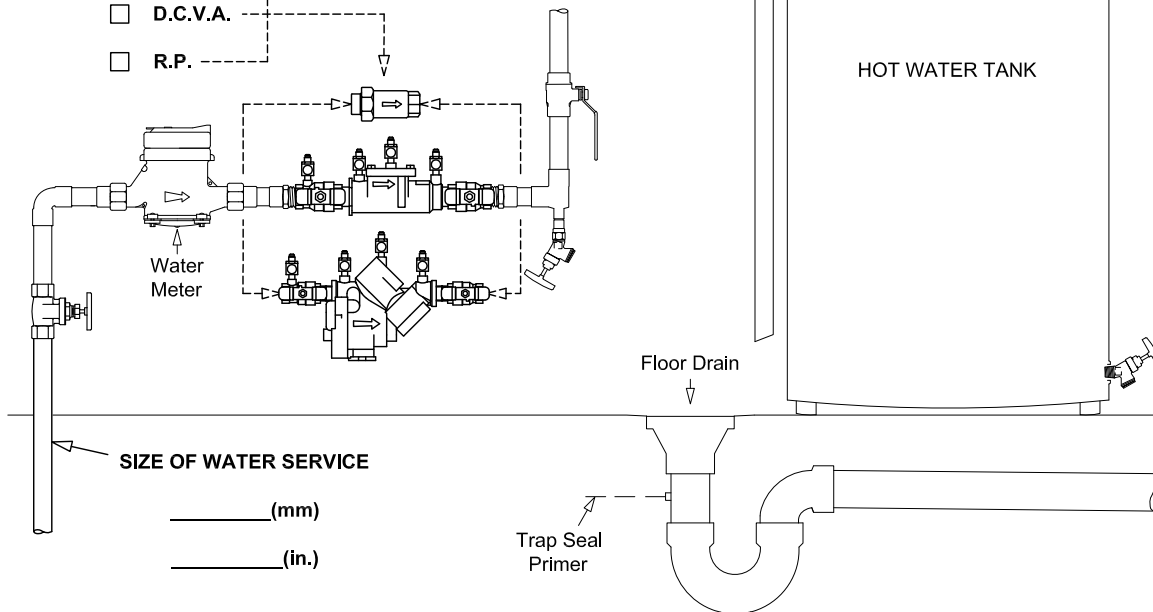
(ii) a thermal relief valve piped to a drain forming an air break conforming to CSA B125, "Plumbing Fittings,".

The installation of a Backflow Preventer on the Water Distribution Piping entering the building creates a closed system in turn creating a situation where the hot water tank can increase pressure within the system through thermal expansion.

Thermal Expansion Tank absorbs any increase in water pressure caused by thermal expansion prolonging T&P Relief Valves. Tank is pre-charged below incoming supply pressure.

TYPE OF BACKFLOW PREVENTER

- Du.C.
- D.C.V.A.
- R.P.



THERMAL EXPANSION TANK SIZING INFORMATION;

MAKE: _____
 MODEL: _____
 WATER HEATER CAPACITY: _____ (L / GAL)
 SUPPLY PRESSURE: _____ (kPa / psi)
 RELIEF VALVE: _____ (kPa / psi) _____ (°C / °F)
 INITIAL TEMP. SETTING: _____ (°C / °F)
 FINAL TEMP. SETTING: _____ (°C / °F)

