

Thermal Expansion Tanks

Series PLT Potable Water Expansion Tanks

Series PLT Potable Water Expansion Tanks are designed to absorb thermal expansion and to maintain balanced pressure throughout the potable water supply system.

Heated water expands, and in a domestic hot water system the system may be closed when isolated from the public water supply by a one-way valve, pressure reducing valve, backflow preventer, check valve, etc. Provisions must be made for this expansion.

Series PLT expansion tanks absorb the increased volume of water created when the hot water storage tank is heated and keeps the system pressure below the relief setting of the T&P relief valve. It is a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and ensures long and trouble-free life for the system. These tanks may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks.

Features

- Polypropylene liner
- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- Can be used with most standard water heaters and storage tanks
- Made in Taiwan

Models

PLT-5 – 3/4" male connection, tank volume 2.1 gal.

PLT-12 – 3/4" male connection, tank volume 4.5 gal.

Specifications

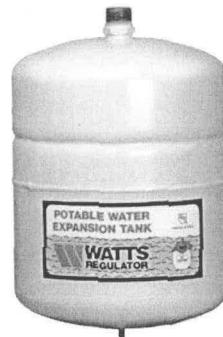
The potable water expansion tank shall be of drawn steel construction and include a rigid polypropylene reservoir liner. It shall have a butyl diaphragm separating the air chamber from the water containing chamber. Inlet connector shall be stainless steel lined. Materials of manufacture for the liner and diaphragm shall be FDA approved. The potable water expansion tank shall be a Watts Regulator Company Series PLT.

Materials

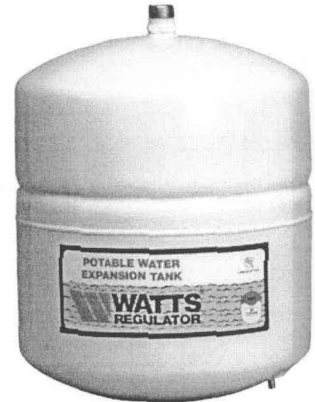
Diaphragm: Butyl rubber

Wetted Parts: Polypropylene Liner

Inlet Connection: Stainless steel lined



PLT-5



PLT-12

Standards



PLT-5 and PLT-12 are Listed by IAPMO.
Certified to ANSI/NSF61.

Note: The potable water expansion tank shall be installed in the cold water service pipe line on the supply side of the water heater (or water storage tank). A pressure relief valve sized and installed in accordance with local codes must be incorporated in the system. In those systems requiring a combined temperature and pressure safety relief valve, the temperature and pressure relief valve should be sized and installed in accordance with local codes. Adequate drainage provisions should be provided where water flow will cause damage.

Technical Information

DESCRIPTION	PLT-5	PLT-12
	Ordering Code 0067370	Ordering Code 0067371
Max. Pressure - psi	150	150
Max. Temp. - °F	200	200
Tank Volume - Gal.	2.1	4.5
Tank Acceptance - Gal.	1.26	2.8
Air Pre-charge - psi	40	40
Connections Size - Inches	3/4 Male	3/4 Male
Diameter - Inches	8	10.5
Length - Inches	11	13.5
Weight - lbs.	5.5	10