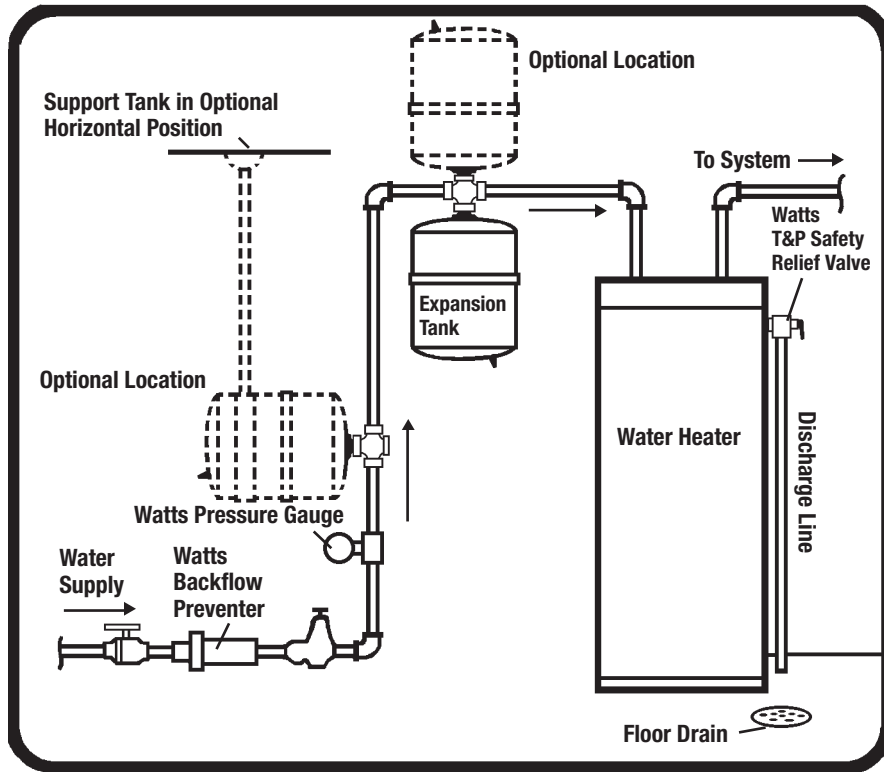


Potable Hot Water Expansion Tank

Installation Instructions

Models: PLT-5, PLT-12



Listed by IAPMO

Acceptance Volume

Air Side Pre-pressure (psi)	Water Side Volume at 150psi (gal.)	
	PLT-5	PLT-12
20	1.48	3.42
40	1.26	2.88
60	1.0	2.49
80	.80	1.85
100	.59	1.48
120	.36	.77
140	.12	.28
150	.03	.01

Technical Information

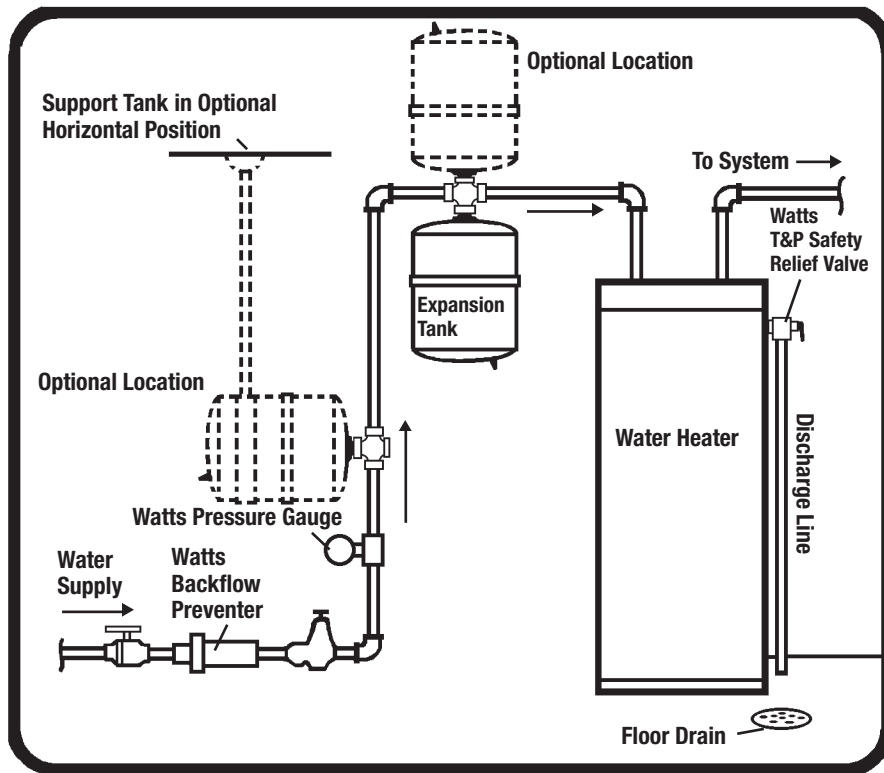
	PLT-5 Ordering Code 0067370	PLT-12 Ordering Code 0067371
Description		
Max. Pressure - psi	150	150
Max. Temp. - °F	200°F	200°F
Tank Volume - Gal.	2.1	4.5
Tank Acceptance - Gal.	1.26	2.8
Air Pre-charge - psi	40	40
Connections Size - In.	3/4 male	3/4 male
Diameter - In.	8	10 1/2
Length - In.	11	13.5
Weight - lbs.	5.5	10.0

Warnings:

- This Expansion Tank is designed and intended for water storage at a maximum pressure of 150psi. A maximum instantaneous pressure in excess of 150psi or 200°F is UNSAFE and can cause property damage, serious bodily injury or result in death.
- We recommend that all thermal expansion and safety relief products be installed with adequate drainage provisions.
- Do not exceed 80psi air charge. Air charge pressures exceeding 80psi could become hazardous and will void any and all warranties, either written or implied. Failure to follow these instructions will result in the possibility of property damage, serious bodily injury or death.
- Improper installation, adjustment, alteration, service or maintenance can cause property damage, serious bodily injury or death. Read instructions completely before proceeding with installation.
- Only qualified personnel may install or service this equipment in accordance with local codes and ordinances.
- The manufacturer of this tank does not accept any liability or other responsibility for personal injury or property damage resulting from improper use, installation or operation of this tank or the system of which it is a part.

Limited Warranty: Watts Regulator Company warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. This shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Any implied warranties that are imposed by law are limited in duration to one year.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights.



Important!

- A pressure relief valve sized and installed in accordance with local codes must be incorporated in the systems requiring a combined temperature and pressure safety relief valve. The temperature and pressure safety relief valve should be sized and installed in accordance with local codes.
- Never plug a safety relief valve.

Installation

1. Before beginning installation determine the system pressure.
 - a. Open a faucet to allow the system pressure to equalize.
 - b. Close faucet.
 - c. Read the system pressure at the pressure gauge (Fig. 1)
 2. The expansion tank pre-charge must be set to the system pressure as determined in **Step 1**. Pre-charge prior to installation in the system.
- Caution:** Pre-charge prior to installation in the system. Do not adjust the air pre-charge of the expansion tank with the system under pressure. The air pre-charge should only be adjusted under zero system pressure.
- Note:** The normal pre-charge is 40psi. **Do not exceed 80psi.** If system pressure exceeds 80psi it will be necessary to either: **A.** Add a pressure reducing valve to the system or, **B.** Locate the expansion tank in a riser where the static pressure is below 80psi.
- a. Unscrew the protective cap from the air inlet valve.
 - b. Using a tire pressure gauge check the tank pre-charge pressure.
 - c. If necessary, pressurize the tank to the proper setting using a manual bicycle tire pump. Caution do not exceed 80psi.
 - d. Replace the protective air cap.
3. Shut off the water supply valve.
 4. Shut off power source to the water heater. (electricity, gas, oil burner switch) and drain system following water heater manufacturer recommendations.

5. Install the expansion tank in the system (Refer to Fig. 1).
 - a. The weight of the expansion tank filled with water is supported by the system piping. Therefore, it is important that, where appropriate, the piping has suitable bracing (strapping, hanger, brackets).
 - b. The expansion tank may be installed vertically (preferred method) or horizontally. **Caution: The tank must be properly supported in horizontal applications.**
 - c. **Do not install without adequate drainage provisions.**
 6. Turn on the water supply valve.
 7. Open a hot water fixture and allow water flow until all air is removed from the system.
 8. Reapply power to the water heater.
 9. Open a hot water fixture to allow a slight flow until the hot water has reached operating temperature.
 10. Recheck system pressure following Step 1.a through c.
- Caution:** Pre-charge prior to installation in the system. Do not adjust the air pre-charge of the expansion tank with the system under pressure. The air pre-charge should only be adjusted under zero system pressure.

If necessary adjust the pressure reducing valve to the expansion tank pre-charge as determined in **Step 2**.

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REGULATOR

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Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca

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CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65