Installation Instructions

PFXT5 and PFXT12
Water Heater Safety Tanks

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.
FOR USE ONLY WITH POTABLE WATER

INSTALLER: LEAVE THIS MANUAL WITH THE OWNER

PFXT5 ✓

THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY AND OTHER HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO REDUCE THE RISK OF PERSONAL INJURY AS WELL AS PROPERTY DAMAGE.

WARNING **READ CAREFULLY THE PRODUCT INSTALLATION, OPERATING AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE INSTRUCTIONS AND WARNINGS IN THE MANUAL MAY RESULT IN SERIOUS OR FATAL INJURY AND/OR PROPERTY DAMAGE, AND WILL VOID THE PRODUCT WARRANTY. THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED PROFESSIONAL. FOLLOW ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS, IN THE ABSENCE OF SUCH CODES, FOLLOW THE CURRENT EDITIONS OF THE NATIONAL PLUMBING CODE AND NATIONAL ELECTRIC CODE, AS APPLICABLE.**

WARNING This Product, like most Products under pressure, may over time corrode, weaken and burst or explode, causing serious or fatal injury, leaking or flooding and/or property damage. To minimize risk, a licensed professional must install and periodically inspect and service the Product. A drip pan connected to an adequate drain must be installed if leaking or flooding could cause property damage. Do not locate in an area where leaking could cause property damage to the area adjacent to the appliance or to lower floors of the structure.

WARNING **RUPTURE OR EXPLOSION HAZARD** A relief valve must be installed to prevent pressure in excess of local code requirement or maximum working pressure designated in the Product Manual, whichever is less. Do not expose Product to freezing temperatures or temperatures in excess of 200° F. Do not adjust the pre-charge or re-pressure this Product except for any adjustments required at the time of initial installation, especially if Product is corroded, damaged or with diminished integrity. Adjustments to pre-charge must be done at ambient temperature only. Failure to properly size the Product or follow these instructions may result in excessive strain on the system lead to Product failure, serious or fatal personal injury, leakage and/or property damage.

WARNING **Chlorine & Aggressive Water:** The water quality can significantly influence the life of this Product. You should test for corrosive elements, acidity, total solids and other relevant contaminants, including chlorine and treat your water appropriately to insure satisfactory performance and prevent premature failure.

Note: Inspect for shipping damage and notify freight carrier or store where purchased immediately if damage present. To avoid risk of personal injury and property damage, if the product appears to be malfunctioning or shows signs of corrosion, call a qualified professional immediately. Current copies of the Product manual are available from seller. Use proper safety equipment when installing.

WARNING Use only with potable water system. Do not operate in a setting with freezing temperatures or where the temperature can exceed 200°F and do not exceed the maximum working pressure specified for this Product.

WARNING **EXPLOSION OR RUPTURE HAZARD! A relief valve must be installed to prevent pressure in excess of local code requirement or maximum working pressure designated in the Product Manual, whichever is less. At least once every 3 years or if discharge is present, a licensed contractor should inspect the temperature and pressure relief valve and replace if corrosion is evident or the valve does not function. FAILURE TO INSPECT THIS VALVE AS DIRECTED COULD RESULT IN UNSAFE TEMPERATURE OR PRESSURE BUILD-UP WHICH CAN RESULT IN PRODUCT FAILURE, SERIOUS INJURY OR DEATH AND/OR SEVERE PROPERTY DAMAGE AND VOID THE PRODUCT WARRANTY.**

See reverse side for warranty information.

PRE-INSTALLATION

1 Ensure expansion tank is sized properly for application (see Figure 1).
2. Remove plastic cap from air valve.
3. With expansion tank empty of water, adjust air precharge to match cold water supply pressure.
4. Replace and tighten plastic cap on air valve.

WARNING **FAILURE TO PROPERLY SEAL VALVE CAP WILL RESULT IN LOSS OF PRECHARGE CAUSING PRODUCT TO FAIL.**

Figure 1.

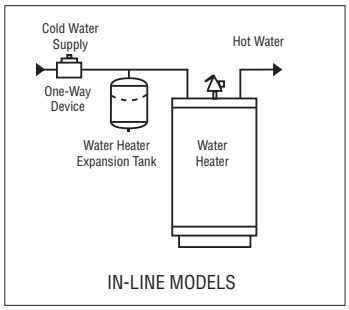
Expansion Tank Model
Max. Temp. Setting 150°F

Water Heater Size (gals.)	Static Supply Pressure (psi)		
	40	60	80
40	2.0	2.0	2.0
50	2.0	2.0	3.2
60	3.2	3.2	3.2
80	3.2	3.2	4.4
120	4.4	4.4	10.3

INSTALLATION

1. Install the expansion tank on the cold water supply line to the water heater at a point between the water heater and backflow preventer or other one-way device (see Figure 2.)
2. Once the expansion tank is installed, check the cold water supply line for any leakage. Make repairs if necessary.
3. Before the initial firing of the water heater, open any hot water fixture and draw water until all air is removed from the system. Turn the water heater temperature control to desired ending temperature level, (see water heater instructions). Do not set temperature higher than that which the expansion tank was originally sized.
4. To relieve initial thermal expansion, slightly open a hot water faucet. Continue until water heater aquastat temperature is satisfied. Once heater is at its operating range, no further bleeding of expanded water is required.

Figure 2.



5. The water heater and expansion tank will now be operational. The expansion tank will control pressure increases caused by thermal expansion to a level below the water heater relief valve setting.

MAINTENANCE

A professional plumber should check the complete system, including the expansion tank, yearly and more frequently as the system ages.

Part #: 9015-566 (08/12)

One Year Limited Warranty

ONE YEAR
LIMITED WARRANTY

1. **WARRANTY:** Subject to the limitations herein, Seller warrants that items manufactured by Seller ("Product") shall be free from defects in design, material and workmanship under Normal Use for a period of one (1) year from the date of sale ("Warranty Period"). SELLER HEREBY DISCLAIMS ALL OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OR FITNESS FOR A PARTICULAR PURPOSE.

2. **EXCLUSIONS:** This limited warranty is void for any damage caused by misuse, abuse, neglect, acts of God, use with flammable or corrosive liquids, or improper installation. "Normal Use" means in strict accordance with the installation, operation and maintenance manual. The warranty for products not manufactured by Seller is provided by the original equipment manufacturer. Products are not intended to be used in nuclear applications.

3. **REMEDIES:** Upon return during the Warranty Period of a Product proven to be defective, Seller shall repair, replace or issue a refund at no additional charge as soon as practicable. To file a claim, first contact your insurance company (if property damage or bodily injury) then contact your servicing branch or the location where you purchased the Product.

4. **LABOR ALLOWANCE:** Buyer's sole and exclusive remedy from Seller is included herein. Seller makes NO ADDITIONAL ALLOWANCE FOR THE LABOR OR EXPENSE OF REPLACING DEFECTIVE PRODUCTS OR DAMAGE RESULTING FROM THE SAME.

5. **LIMITATION OF LIABILITY:** UNDER NO CIRCUMSTANCES SHALL EITHER PARTY BE LIABLE TO THE OTHER FOR INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. BUYER HEREBY ACKNOWLEDGES AND AGREES THAT SELLER'S LIABILITY, IF ANY, SHALL NOT EXCEED THE NET SALES PRICE OF THE DEFECTIVE PRODUCT(S).

6. **RECOMMENDATIONS BY SELLER:** Seller may assist Buyer in selection decisions by providing information regarding products that it manufacturers and those manufactured by others. However, Buyer acknowledges that Buyer ultimately chooses the product's suitability for its particular use, as normally signified by the signature of Buyer's technical representative. Any recommendations made by Seller concerning the use, design, application or operation of the products shall not be construed as representations or warranties, expressed or implied. Failure by Seller to make recommendations or give advice to Buyer shall not impose any liability upon Seller.

7. **COMPLIANCE WITH LAWS:** Seller makes no warranty or representation with regard to the Product meeting code requirements. Certain Products containing brass or bronze without "LF" in the description field may contain lead and thus not comply with low lead laws. Such products must not be used in potable water applications.