

# Expansion / Fill Tee

# Installation Guide

## Application

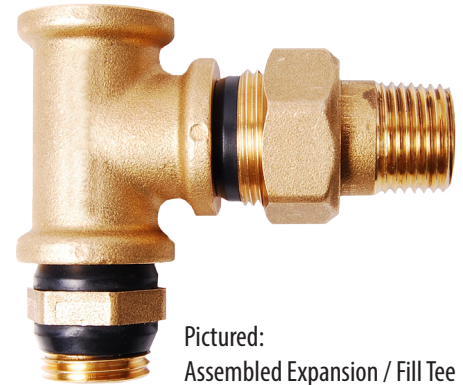
The Expansion / Fill Tee is designed for use with the **T-88** Air High Performance Air and Dirt Eliminator, and the **HS-808** Hydraulic Separator. The Expansion / Fill Tee is used to connect an expansion tank or pressure reducing fill valve, like the **AF-480** Auto Fill with Backflow Preventer & Gauge, make-up water system to a hydronic system. The Expansion / Fill Tee has integrated gaskets at the connection points, and a union, for an easy, leak proof installation.

## Installation / Assembly

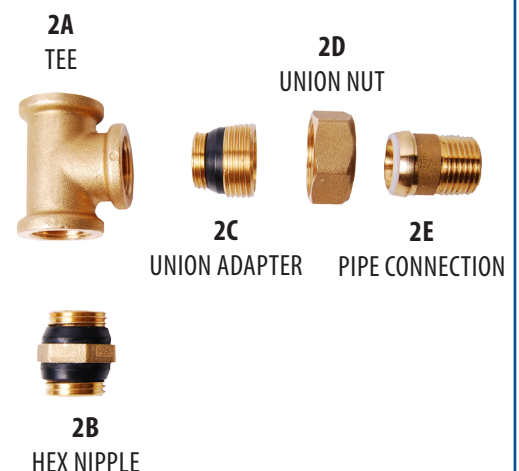
Prior to installing the check valve and automatic air vent assembly supplied with the T-88 air and dirt purger, or the HS-808 Hydraulic Separator, The Expansion / Fill Tee can be assembled via the following steps:

- A) Thread the **½" Hex Nipple** (2B) into the top of the T-88 or HS-808 until tight<sup>1</sup>. The Hex Nipple can be tightened with a standard channel or adjustable wrench.
- B) On top of the Hex Nipple that was just installed, thread the **Tee** (2A) into it until tight<sup>1</sup>. The Tee can be tightened with a standard channel wrench and orient it to a position that works best for attaching the expansion tank or fill valve.
- C) Thread the **Union Adapter** (2C) into the branch leg of the tee until tight<sup>1</sup>. The Union Adapter can be tightened with a 10mm Allen wrench (1).
- D) Apply pipe dope or sealant tape to the threads of **MNPT Pipe Connection** (2E).
- E) Slide the Union Nut (2D) onto the **MNPT Pipe Connection** (2E) and then thread the Piping Connection into the component that is being connected to the tee assembly. Tighten the **Pipe Connection** (2E) with a 12mm Allen wrench until tight.
- F) Connect the **Union Nut** (2D) to the **Union Adapter** (2C) and tighten using a standard channel or adjustable wrench. There is a high temperature polymer gasket on the **Pipe Connection** (2E), so you do not need to over-tighten the union nut.
- G) If you are installing a second component (expansion tank AND fill valve), repeat steps A through F.
- H) Once you have completed connecting the tee(s) to the system components, install the check valve and automatic air vent on top of the tee. (See instructions included with T-88 or HS-808 for proper installation instructions.)

<sup>1</sup>Note: The Expansion / Fill Tee components seal together with an EPDM gasket (o-ring). One quarter (1/4) turn beyond "hand-tight" is normally sufficient to seal properly.



Pictured:  
Assembled Expansion / Fill Tee



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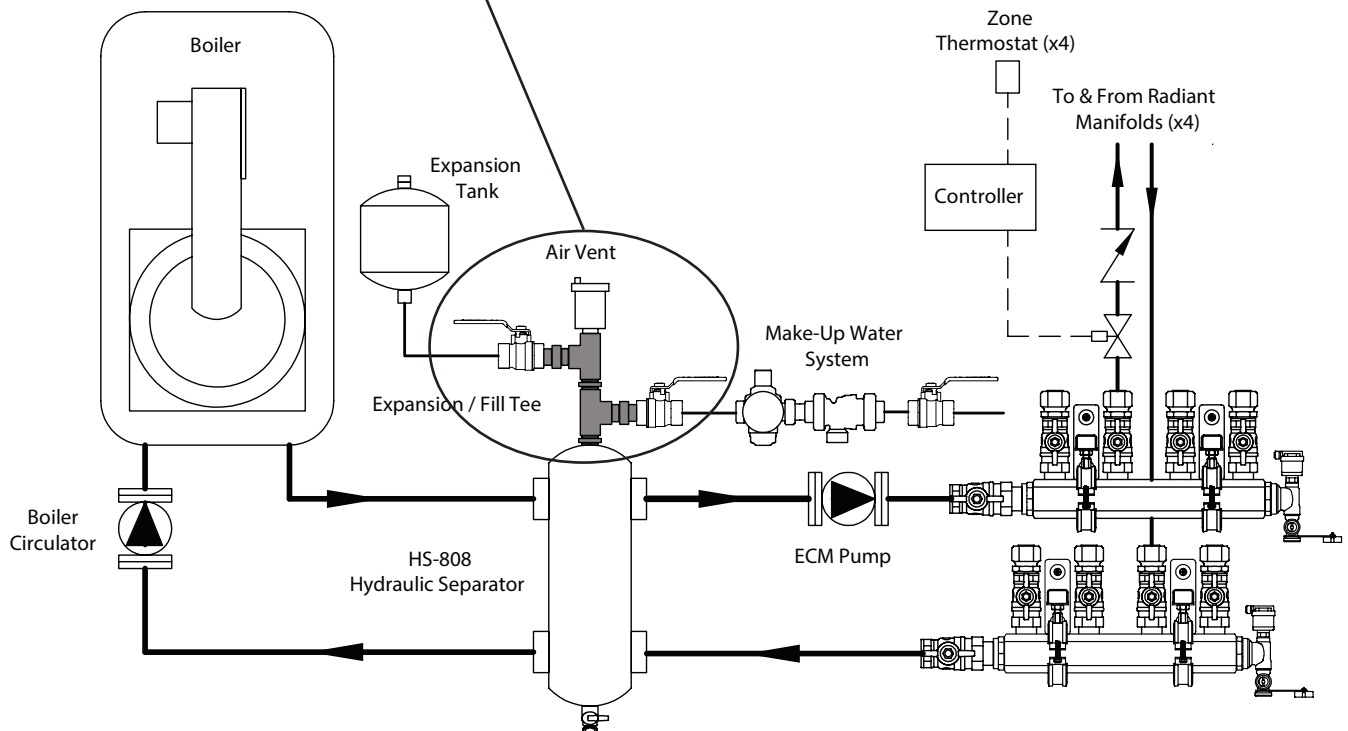


Pictured: Single Expansion / Fill Tee mounted on a T-88 Air & Debris Eliminator.



Pictured: Two Expansion / Fill Tees mounted on a T-88 Air & Debris Eliminator.

Example of two expansion / fill tees in a Hydronic System.



For more information about assembly and/or operation of any Legend Hydronics components, please refer to the Reference or Full Installation Guides at [www.legendhydronics.com](http://www.legendhydronics.com) or by calling 886-752-2055.