

Series ETX-ASF Expansion Tank, Air Separator and Float Vent

Installation Instructions

Installation of "ETX" Expansion Tank in conjunction with the Watts "AS" Air Separator and "FV4" Float vent. This installation offers both a mounting tapping and automatic air removal from the system. (see Fig. No. 1)

After installing ETX Expansion Tank

1. Fill system - vent air from system.
2. Fire the burner to bring system up to design temperature.
3. After initial venting of air, additional air will vent as water is heated. Installation of the Watts "AS" Air Separator and "FV4" Float vent will provide automatic air venting.*
4. Check system pressure after water is heated. If pressure is too high, drain water from boiler and adjust feed water regulator to 12psig.

* Refer to Air Separator and Float vent Instruction Sheets for proper installation.

Service Hints:

1. If the system pressure is too high,
 - a. check gauge calibration.
 - b. check to see if ETX Tank has lost its air charge.

NOTE: To get an accurate reading when checking ETX Tank air pressure with any tire gauge either,

 1. disconnect the ETX Tank from the system or
 2. draw off system water until boiler pressure reads zero.
 - c. Check for faulty fill valve operation. First, close manual shutoff located before the fill-valve; then, draw system pressure down to 12psi (or other preset pressure) and observe system for pressure buildup several hours later.
 - d. Check for a defective tankless heater. Use same procedure as above after shutting off possible water source.
2. If pressure relief valve drips water,
 - a. first, check system pressure. If too high, follow step 1.a, b., c. and d. above.
 - b. If pressure relief valve continues to drip water, even at reduced pressure, flush relief valve by quickly raising lever several times. If drip continues, replace relief valve (see caution below).
 - c. If multiple ETX Tanks are installed in the system, check pressure of each for possible air leaks. Be sure plastic air valve caps are on tight.

CAUTION:

Relief valve will discharge hot water, therefore precautions must be taken to avoid scalding injury and water damage. A proper drain line, connected to the valve outlet and run to a safe place of disposal must be installed.



Model ETX-ASF

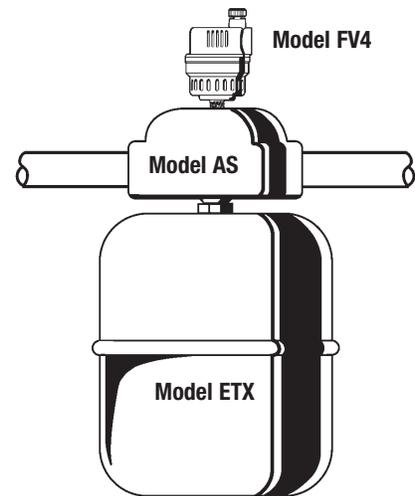
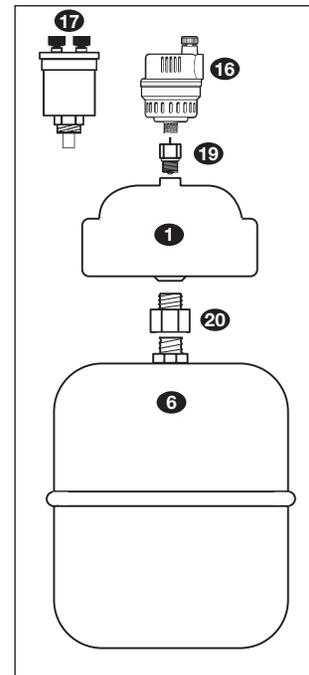
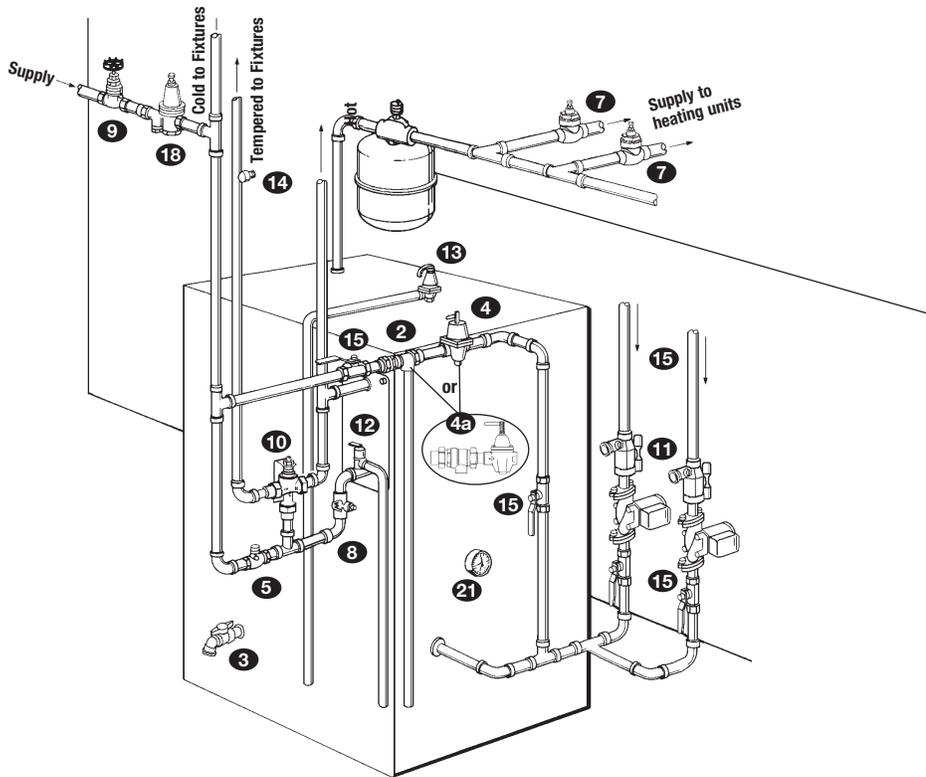


Fig. 1

Watts Specialty Items for Hydronic Heating Systems



Alternate: The WattsSeries DET Potable Expansion Tank can be used on the domestic hot water (tankless) supply coil of a hotwater heating boiler.

- 1 AS, AS-T, AS-B Air Separator
- 2 9D Backflow Preventer
- 3 BD, BD-QT, SW,SS Boiler Drain Valves
- 4 1156F-A, 1156F, SB1156F, B1156F, N256, 1450F, T145B Boiler Fill Valves
- 4a 911S Combination S1156F Fill Valve and 9D Backflow Preventer
- 5 CV/CVY Bronze Check Valve
- 6 ETX Expansion Tank
- 7 2000, 2000S Flow Checks
- 8 P3 Flow Control Valve
- *9 GVS, GV Gate or GLV Globe Valves
- 10 1170, 70A, N170-M2 Mixing Valves
- 11 RPV or PB56 Purge Valves
- 12 3L, 53L Pressure Relief Valves
- 13 374A, 174A, 740 Hot Water Boiler Safety Relief Valves
- 14 T&P Test Plug
- 15 B-6000 Ball Valve
- 16 FV-4M1 Float Vent Valve
- 17 DuoVent Automatic Float Vent Valve
- 18 U5B, 25AUB Water Pressure Reducing Valves
- 19 SCV 1/8" or 1/4" Service Check Valves
- 20 SCV 1/2" Service Check Valve
- 21 DPTG-3 Combination Temperature & Pressure Gauge

* Valves such as the 70A, N170-M2 and the ASSE 1017-listed 1170/L1170 are for point-of-supply applications as shown, ASSE 1016-Listed valves such as the Watts L111, MMV or USG should be used as point-of-delivery. **Note: Product information is subject to change without notice and supersedes all previous publications.**

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

Limited Warranty: Watts Regulator Co. (the "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.

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A Watts Water Technologies Company



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