

# Series ET Expansion Tanks

- For closed hot water heating systems
- Models ET-15 through ET-60 have a 1/2" male NPT connection for use with air separator Model AS.
- Model ET-90 has a 3/4" male NPT connection

ET-15



## Installation Instructions

Watts ET Series may be installed in a tee or any other suitable tapping in the heating system and can be installed in a vertical or horizontal position. **CAUTION:** The tank must be properly supported in horizontal applications. Max. temperature 210°F (99°C), Max. working pressure 60 psi

## Typical Installation

1. Installed in conjunction with the Watts "AS" Air Separator and "FV4" Floatvent. This installation offers both a mounting tapping and automatic air removal from the system. (see Fig. No. 1)
2. Installed in the convenient 1/2" bottom connection of the Watts No. 1156A Feed Water Regulator. (see Fig. No. 2).

## After Installing ET 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" Floatvent 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 12psi.

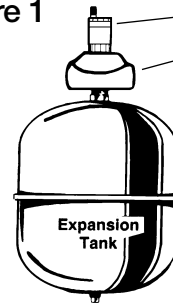
\*Refer to Air Separator and Floatvent Instruction Sheets for proper installation.

## Service Hints

1. If the system pressure is too high:
    - a.) Check gauge calibration
    - b.) Check to see if ET Tank has lost its air charge.
- NOTE:** To get an accurate reading when checking ET Tank air pressure with any tire gauge either.
2. Disconnect the ET Tank from the system or,
  3. Draw off system water until boiler pressure reads zero.
    - a.) Check for faulty fill valve operation. First, close manual shutoff located before the fill-valve; then, draw system pressure down to 12psi (or other pre-set pressure) and observe system for pressure buildup several hours later.
    - b.) Check for service water entering system from any other source such as a defective tankless heater. Use same procedure as above after shutting off possible water source.
  4. If pressure relief valve drips water:
    - a.) First, check system pressure. If too high, follow steps 1. a and b and steps 3. a and b above.
    - b.) If pressure relief valve continues to drip water, even at reduce pressure, flush relief valve by quickly raising lever several times. If drip continues, replace relief valve. (see caution below)
    - c.) If multiple ET 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.

Figure 1

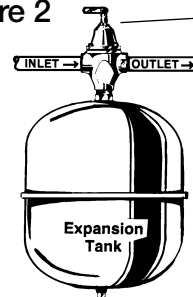


FV-4 Floatvent

AS Air Separator

Model ET-15, ET-30, ET-60 installed in conjunction with Watts Series "AS" Air Separator and "FV-4" Float Vent or combination package "ET-ASF-1" or "ET-ASF-1 1/4".

Figure 2



1156F A-Boiler Fill Valve

Model ET-15, ET-30, ET-60 installed in the convenient 1/2" tapping of the Watts Model "1156 F-A" Boiler Fill Valve.

### 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](http://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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