

eF Series® Installation Checklist

Important - Read the installation and operation manual before installing and operating this water heater.

Installation Date: _____

Model Number: _____

Serial Number: _____

Installer Contact Information: _____

Product Handling - Carefully uncrate the heater. Move in place with a hand truck (don't use the venting pipes for handles). A 2 inch (5 cm) high installation pad is recommended. **This water heater MUST be installed indoors out of the wind and weather.** This water heater must be installed in accordance with local codes. In the absence of local codes, the water heater must be installed in compliance with the National Fuel Gas Code (NFPA-54/ANSIZ223.1-latest edition). In Canada, comply with the Natural Gas and Propane Installation Code (CAN/CGA B149.1-00-latest edition).

Electrical Requirements - Make sure there is a dedicated 120 volts line voltage and line power is properly polarized. Proper ground is required to this water heater.

Venting Requirements - All venting must stay within the required lengths and diameters (see Installation and Operation Manual). Proper support of the venting pipe is a **MUST** (every 5 feet (1.5 m) vertical and 3 feet (.9 m) horizontal). Terminations must be located to prevent re-circulation. Medium to long sweep 90° elbows are recommended.

Gas Requirements - Supply proper gas piping size to this water heater ($\frac{3}{4}$ inch (1.9 cm) NPT or equivalent is required for models 300,000 btu/hr (87.8 kw) or less, 1 inch (2.5 cm) NPT or equivalent is required for 399,000 btu/hr (116.8 kw) model or above). Install a properly sized regulator to supply an adequate volume of gas. 7 inches (1741.9 Pa.) W.C. of gas is required when the water heater is operating. Gas pressure must stay below 14 inches (3483.8 Pa) W.C. when unit is not operating. Pressure drop between non-operating and operating pressures should be less than 3 inch (746.5 Pa) W.C.

Condensate Requirements - Condensate line must be properly sized and sloped to a suitable drain ($\frac{1}{4}$ inch per foot (.6 cm per .3 m)). A condensate trap must be constructed as close to the water heater as possible. Protect the condensate line from freezing conditions. If using more than one heater AND using a common condensate line, make sure that the condensate line is sized correctly.

Service / Mechanical Room - Provide adequate space for servicing the heater. Leave room to get to the bottom pressure switch as well as enough overhead room to remove the anode rods for servicing (18 inch (45.7 cm) minimum).

Record Intake Air and Exhaust Vent Lengths

Diameter: _____

Intake Air: _____

Linear feet: _____

Number of Elbows: 45°: _____ 90°: _____

Total: _____

Exhaust: _____

Linear feet: _____

Number of Elbows: 45°: _____ 90°: _____

Total: _____

Concentric Vent Kit: Yes / No (circle one)

**NOTE: 2 inch (5.1 cm), 3 inch (7.6 cm), 4 inch (10.2 cm), & 6 inch (15.2 cm) 90° Elbows
= 5 feet (1.5 m) of pipe
2 inch (5.1 cm), 3 inch (7.6 cm), 4 inch (10.2 cm), & 6 inch (15.2 cm) 45° Elbows
= 2.5 feet (.7 m) of pipe**

For more detailed information, read the installation and operation manual provided with this water heater.

Questions? Contact Bradford White Technical Service available 24/7 at (800) 334-3393.