

Installation - System Piping

The near boiler piping, that is the piping around the boiler, must be considered as part of the boiler for proper water level control, and to produce dry steam. Correct near boiler piping is crucial to the proper operation of the boiler and the heating system. Follow these recommendations carefully.

1. Place boiler in selected location, as near chimney as possible.
2. Install the pop safety valve, using the furnished 3/4" coupling, into the 3/4" pipe nipple on the top of the boiler. Make a discharge pipe, using 3/4" pipe (not furnished) to carry the water or steam to a nearby drain. Do not connect the discharge pipe directly to a drain but leave an air gap. The downstream end of the discharge pipe must be unthreaded. No shutoff of any description shall be placed between the pop safety valve and the boiler,
- or on discharge pipes between such safety valves and the atmosphere. Installation of the pop safety valve shall conform to the requirements of the ANSI/ASME Boiler and Pressure Vessel Code, Section IV. The manufacturer is not responsible for any water damage.
3. This boiler is equipped with two 2 1/2" supply connections and two 2 1/2" return connections, one each on both the left and right sides of the boiler. Unused connections must be plugged with the 2 1/2" plugs (furnished).
4. Recommended near boiler piping for gravity return systems is shown in Figure 5. This configuration uses one supply and one return tapping. This setup can be used on any size boiler in this series. The supply and return connections may be piped both into the same side (either left or right) or one into each side of the boiler.

FIG. 5 - RECOMMENDED NEAR BOILER PIPING USING ONE SUPPLY TAPPING

