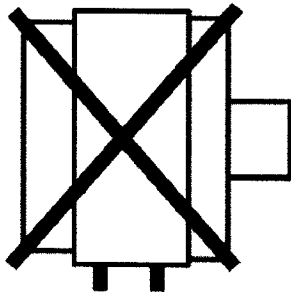


Unit Heater Installation Instructions

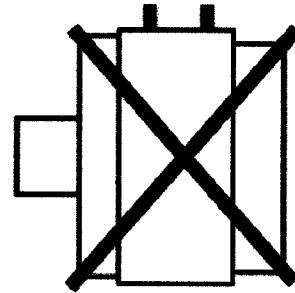
Before beginning unit heater installation it is recommended that you first determine the best and safest location for the unit to be installed. Things to consider are head room, best air coverage, electric and water line access and a strong support area to hang the unit from. Sound may also be a factor. Unit heater must be installed with at least 1 in. clearance from combustible surfaces. Before beginning the installation of this unit please refer to the installation illustration page of these instructions.

Water Lines

It is recommended that valves and unions be installed near the heat exchanger tubes. These tubes extend out the side of the unit heater. If there is other equipment installed on this boiler system such as water heaters, dryers or other related components that will be used year round, it is recommended that a bypass valve also be put in the boiler line which would enable you to bypass the unit heater during the time of year when heating is not required. This will eliminate a radiant heat condition which is caused when heat radiating off from the heat exchanger causes the room temperature to rise during a time of year when heat is not desired. This will also boost the performance of other components on the boiler system and will also increase overall boiler efficiency. Unit must be installed so that water inlet and outlet tubes are horizontal. Unit must not be installed with the tubes pointing straight up or straight down.



Do not install unit heater with heat exchanger tubes pointing straight up or straight down.



The heat exchanger tube in the upper most position should be connected to the return water line of the boiler system. Water lines should also include a air bleeder at or near the unit heater at the highest point of the water lines. This will allow for proper removal of air from the heat exchanger and ensure maximum unit heater performance. For the water and air specifications for this unit please refer to the dimensions and specifications page of these instructions.

Wiring Instructions

All wiring must be done by a licensed electrician. Power supply wires are 110 volts A.C. and are located on the fan motor. This unit must be properly grounded. It is recommended that a on/off switch be installed on or near this unit. All thermostat wiring and speed control wiring (if applicable) must be done in accordance to the specifications recommended by the components manufacturer.