

# Master Specification: Model BWX

\_\_\_\_\_  
JOB NAME

\_\_\_\_\_  
ENGINEER

\_\_\_\_\_  
REPRESENTATIVE

\_\_\_\_\_  
CONTRACTOR

## GENERAL

Provide a quantity of \_\_\_\_\_ semi instantaneous indirect fired water heater(s), Model No. \_\_\_\_\_ as manufactured by HUBBELL Electric Heater Co., Stratford, CT. The pressure vessel shall be mounted on structural supports and be suitably insulated, jacketed and painted. The entire unit is to be packaged ready for service connections.

## PRESSURE VESSEL

The pressure vessel section shall be constructed from 90/10 copper-nickel material. ( **Optional Specification:** Type 304 or 316L stainless steel, Hot dipped galvanized steel). Vessel will be stamped for 150 PSI under Section VIII of the ASME Code. Manufacturer's data report and U-1 forms shall be furnished to the owner. No overhead clearance shall be required for servicing or removing the heating coil. Each heater shall be designed to heat \_\_\_\_\_ GPH(\_\_\_\_\_ GPM) of domestic water from \_\_\_\_\_ to \_\_\_\_\_ °F when supplied with \_\_\_\_\_ GPM of boiler water entering at \_\_\_\_\_ °F and exiting at \_\_\_\_\_ °F.

## HEATING SECTION

The heating coil shall be fabricated with single wall ( **Optional Specification:** Double wall) Copper tubes, ( **Optional Specification:** Stainless steel, 90/10 copper-nickel, admiralty) non-ferrous baffles and a copper-lined tubesheet. The heater shall have its temperature control bulb located for direct sensing of water.

## CONTROLS

The water heater controls shall be factory assembled and piped. A modulating control valve shall be a (**Specify:** 2-way or 3 way) type, (**Specify:** Pneumatic or Electric) power valve. Solenoid control valves will not be accepted.

### Each heater shall be factory packaged with the following components:

- All bronze integral circulating pump with copper piping and isolation valves
- Direct mounted boiler water and thermometer gauges
- High limit safety system
- ASME rated temperature and pressure relief valve
- Fiberglass insulation with painted metal jacket

## OPTIONS

In addition, the water heater shall be supplied with the following optional features:

- Option \_\_\_\_\_
- Option \_\_\_\_\_
- Option \_\_\_\_\_

## WARRANTY

The water heater manufacturer shall warranty all components against defects in Workmanship and material for a period of one (1) year from date of start-up and the pressure vessel for a full five (5) years Non Pro-Rated ( **Optional Specification:** full ten (10) years Non Pro-Rated) from date of start-up, provided that the unit is started within three (3) months of date of shipment and installed and operated within the scope of the heater's design and operating capability. Each water heater shall be shipped with a complete set of installation and operating instructions including a spare parts list and approved drawing.

ISO 9001:2008 ISO



Committed to continuous improvement...

Continuing research results in product improvement; therefore specifications are subject to change without notice. For the most updated information, consult the factory directly.

**Hubbell**™

