

Master Specification: Model BW

JOB NAME

ENGINEER

REPRESENTATIVE

CONTRACTOR

GENERAL

Provide a quantity of _____ packaged type indirect fired storage 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, painted and provided with lifting lugs. The entire unit is to be packaged ready for service connections.

PRESSURE VESSEL

The pressure vessel shall be all welded construction and ASME Code Section VIII stamped for a working pressure of 125 psi (**Optional Specification:** _____ psi) and contain a minimum of _____ gallons of storage. The storage vessel shall be carbon steel and lined with seamless Hydrastone cement to a minimum thickness of $\frac{5}{8}$ " on 100% of all interior tank surfaces (**Optional Specifications:** Phenolic lined steel tank, Hot dipped galvanized steel tank, Type 304 or 316L stainless steel tank, 90/10 Copper-nickel tank). The pressure vessel is to be insulated with 3" thick energy conservation fiberglass blanket insulation and enclosed in a heavy gauge galvanized steel metal jacket finished in gray hammertone enamel. The vessel shall be protected by an ASME approved automatic reseating combination temperature and pressure relief valve set at the tank working pressure and 210°F.

HEATING SECTION

The heating coil shall be rated to heat _____ GPH from _____ °F to _____ °F when supplied with _____ GPM of boiler water (**Optional Specification:** HTHW) from _____ °F to _____ °F. The single wall (**Optional Specification:** double wall) heating coil shall be constructed from copper tubes (**Optional Specifications:** 90/10 Copper-nickel, admiralty, stainless steel) with all non-ferrous wetted parts and designed for a maximum allowable working pressure of 150 psi at 275°F (**Optional Specification:** 400 psi at 450°F) maximum temperature. The coil head shall be fabricated steel (**Optional Specification:** Stainless steel, copper alloy).

CONTROLS

The water heater shall (shall not) be factory assembled and piped with a boiler water control valve. The boiler water control valve shall be (**Specify:** Electric or Pneumatic) powered modulating 3-way diverting valve that will regulate the flow of boiler water to the heating coil and will divert unused boiler water back to the loop (**Optional Specification:** ON/OFF modulating 2-way valve will regulate the flow of boiler water to the heating coil without diverting back to the boiler, factory wired thermostat to provide ON/OFF control of a (supplied, not supplied) boiler water pump.

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

- Option** Domestic water dial temperature and pressure gauge shall be factory installed in the tank.
- Option** The water heater shall be equipped with a factory packaged intra-tank circulator to continuously circulate water within the tank to reduce stratification.
- Option** The heating coil shall be wrapped and baffled and piped with an integral pump package to force circulate water over the heating coil in order to reduce the coil size.
- Option** Single solenoid safety system to close the boiler water supply to the heating coil should the water temperature in the tank reach the hi-limit set point. Requires 5 Amp, 120 Volt service.
- Option** Double solenoid safety system dumps over heated water in the storage tank to drain in addition to closing the boiler water supply to the control valve. Requires 5 Amp, 120 Volt service.

WARRANTY

HUBBELL 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 tank 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



Hubbell™

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.

Made in the U.S.A.

