

Master Specification: Model PS

JOB NAME _____

ENGINEER _____

REPRESENTATIVE _____

CONTRACTOR _____

GENERAL

Provide a quantity of _____ point-of-use steam fired water heater(s) Model No. _____ as manufactured by Hubbell of Stratford, CT. The unit shall be vertically mounted and suitably insulated, jacketed and provided with the proper steam operating controls.

PRESSURE VESSEL

The tank shall be all welded steel commercial construction designed for 150 psi working pressure and contain _____ gallons of storage. The tank is to be lined with seamless Hydrastone cement to a minimum thickness of 1/2" on 100% of all interior tank surfaces and does not require any type of anodic protection. The tank shall be designed and fabricated with copper-silicon threaded fittings and non-ferrous inlet and outlet piping for maximum corrosion resistance. The cold water inlet shall be 1 1/2" Male NPT, the hot water outlet shall be 1 1/2" Male NPT, the recirculation line shall be 3/4" Female NPT, and the drain shall be a 3/4" hose connection. A separate 3/4" Female NPT outlet is provided for relief valve installation. The entire tank is to be insulated with a minimum of 2" thick polyurethane foam insulation. The complete heater shall be supplied with a high impact colorized composite jacket which cannot rust or corrode and does not require painting. The vessel shall be protected by an approved ASME rated automatic reseating combination temperature and pressure safety relief valve.

RECOVERY

The immersion copper fin tube single wall (**Optional Specification: Double wall**) heating coil shall be designed for a maximum allowable steam pressure of 125 psi.

The coil shall be rated to heat _____ GPH from _____ °F to _____ °F when supplied with _____ psi steam to the control valve.

STEAM CONTROLS

All steam operating controls shall be factory supplied and shipped loose for in the field installation.

(**Optional Specification: All steam controls shall be factory piped and assembled**)

The following items are supplied by the factory:

- (1) (1/2", 3/4", 1") Self Contained Temperature Control Valve (Steam Regulator)
- (1) (1/2", 3/4", 1") Steam Y Strainer
- (1) 1/2" Drip Trap, thermostatic type
- (1) 3/4" Main Trap, F&T type

In addition, the following optional equipment may be included:

- Option** Dial water temperature and pressure gauge shall be factory installed in the tank; 3" Dial, 30-240°F, 0-200 psi/0-115°C, 0-1400 kPa
- Option** Steam pressure reducing valve to reduce the steam pressure from _____ psi to _____ psi.
- Option** A single solenoid safety system shall be factory supplied to close the steam supply to the heating coil in an over-temperature condition. (120 volt, 5 amp required).
- Option** A double solenoid safety system shall be factory supplied to close the steam supply to the heating coil as well as open a solenoid valve to send over-heated water to drain. (120 volt, 5 amp required).
- Option** The unit shall be factory supplied with an immersion electric heating element rated at _____ KW when supplied with _____ Volts _____ Phase electrical power. The electric control panel shall include a thermostat, safety hi-temperature cut out device, and other required electrical components, and shall be factory assembled, wired and tested.

WARRANTY

The 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 period of three (3) years from date of start-up, provided that the unit(s) are started within three (3) months of date of shipment and installed and operated within the scope of the tank design and operating capability. Each heater shall be shipped with a complete set of installation and operating instructions including spare parts list and approved drawings.



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.

