

Master Specification: Model V

JOB NAME

ENGINEER

REPRESENTATIVE

CONTRACTOR

General

Provide a quantity of _____ industrial grade electric water heater(s) Model No. _____ as manufactured by Hubbell Electric Heater Co. of Stratford, CT USA. The heavy duty pressure vessel shall be constructed from Type 304L stainless steel and bear the ASME Section VIII stamp and be rated for 150 psi WP. The tank shall be insulated with CFC/HCFC free closed cell foam insulation to reduce stand by heat loss. Heat loss shall not exceed 425 btu/hr. The heater shall have the capacity to heat _____ GPM from _____ to _____ °F and shall be rated at _____ KW when supplied with _____ Volts _____ Ph _____ Hz power.

The entire heater package shall be listed and approved in accordance with UL Sanitation (NSF5) and UL 1453. All operating controls shall be built-in and factory wired using high temperature 200°C Teflon coated wire. The heater shall include internal resettable circuit breakers in lieu of one-shot power fuses for over current protection when required. The copper sheathed immersion heating elements with straight thread brass screw plug and O-ring gasket ensure leak free long life service. All temperature, hi-limit, and low water operating functions shall be managed by a fully integrated solid-state electronic controller with digital LED display. The controller shall be fully adjustable from 32-194°F (0-90°C) and operate each heating circuit independently. The controller shall include the ability to be field configured to display °F or °C, include a 1-20° adjustable temperature differential, and display actual or set point temperature. In the event of operational errors (over temperature, low water, probe failure, leak detection) the display shall provide specific error indication to assist in trouble shooting. The heater shall include a leak detection sensor to provide the operator with visual indication if water is sensed inside the control cabinet. All controls shall operate on 208/240v control circuit. The positioning of the electrical components shall be such that to remove any component does not require the removal of another component. The heater shall be complete with all internal plumbing, including brass NPT connections for inlet, outlet and relief valve. The entire exterior of the heater including the base, jacket and front cover shall be brushed stainless steel.

The heater shall include the following accessories shipped loose for installation in the field: an ASME/CSA rated combination temperature and pressure relief valve, 6" adjustable NSF plastic legs and one indicating temperature and pressure gauge.

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

- Option _____
- Option _____
- Option _____
- Option _____

Warranty

Hubbell shall warranty all electrical components against defects in workmanship and material for a period of one (1) year from date of start-up and the pressure vessel for three (3) years from date of start-up, provided that the unit is started within three (3) months of date of factory shipment and installed and operated within the scope of the water heater's design and operating capability.



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.

