

Master Specification: Model JTX/JHX Tankless Booster

JOB NAME _____

CONSULTANT / SPECIFIER _____

REPRESENTATIVE _____

DEALER / SERVICE AGENT _____

GENERAL

Provide a quantity of _____ instantaneous high efficiency electric tankless booster heater(s) Model No. _____ as manufactured by HUBBELL Electric Heater Co., Stratford, CT. The entire unit is packaged ready for plumbing and electrical service connections and shall bear the cULus listing mark certifying the entire unit to UL499, UL EPH Sanitation listed to ANSI/NSF Standard 5 and CSA C22.2 No. 64-M91 (single phase units) and CSA C22.2 No. 88 (three phase units).

HEATING CHAMBER

The heating chamber shall be all sil-brazed copper and bronze construction. A plastic heating chamber shall not be acceptable. The heating chamber of the booster heater shall be rated for a maximum allowable working pressure of 150 psi. The heating chamber and all electrical controls shall be completely enclosed in a heavy gauge Type 304 stainless steel case.

HEATING CAPACITY

The tankless booster heater shall be rated at _____ KW which will heat _____ GPH of water at _____ °F rise (_____ ° to _____ °F). Heaters that restrict hot water flow in any way shall not be acceptable.

ELECTRICAL

The tankless booster heater shall be designed to operate at _____ volts, _____ phase, 50/60Hz balanced power and shall draw equal amperage across all phases at all times. For 3 phase heaters, power shall be a 3 wire (3 live, 1 ground) or a 4 wire (3 live, 1 neutral, 1 ground) system that does not require a neutral leg. The heater will draw _____ amps only when operating at full power. The immersion heating elements shall be high quality incoloy sheathed and sized to obtain the rated capacity. Heating elements with copper sheathing or open nichrome wire type shall not be considered equivalent and shall not be acceptable. Each element is to be operated using zero cross over solid state controls. The heating elements shall be fully modulated from 0-100% to provide precise temperature control through the full range of flows. A Hi-Limit thermostat with automatic reset shall be factory installed to disconnect each heating element in the event of an over-temperature condition. An electronic digital display temperature controller shall be user adjustable in 1° increments in either °F or °C and shall display flow rate, outlet temperature, inlet temperature and provide error indication. A turbine-type flow meter shall be factory installed to provide precise temperature control for water flows as low as 0.2 GPM up to a maximum flow of 8 GPM (40 GPM for JHX). Heaters that utilize on/off flow switch technology or restrict flow shall not be acceptable.

WARRANTY

Hubbell shall warranty all electrical components against defects in workmanship and material including labor for a period of one (1) year from date of start-up, and the heating chamber (no labor) for a full five (5) years 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 heater shall be shipped with a complete set of installation and operating instructions including spare parts list. All fabrication and assembly shall be performed in the U.S.A.

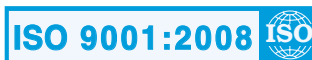
OPTIONS

In addition, the tankless booster heater shall be supplied with the following options:

Option _____

Option _____

Option _____



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.

