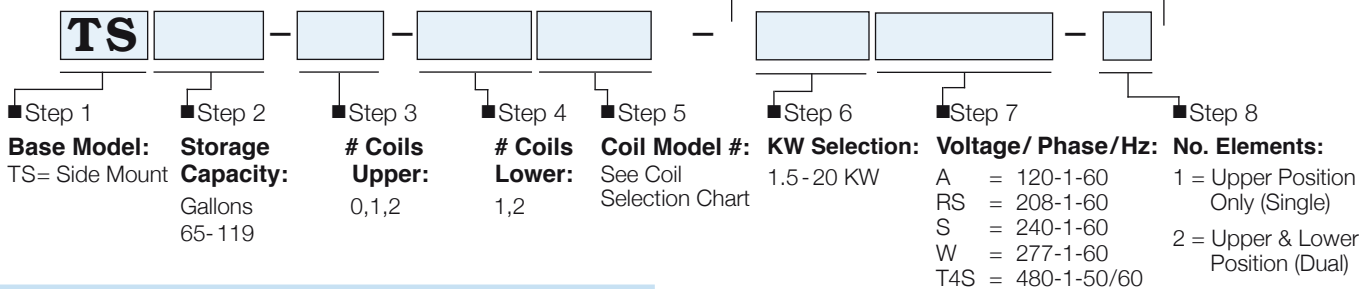


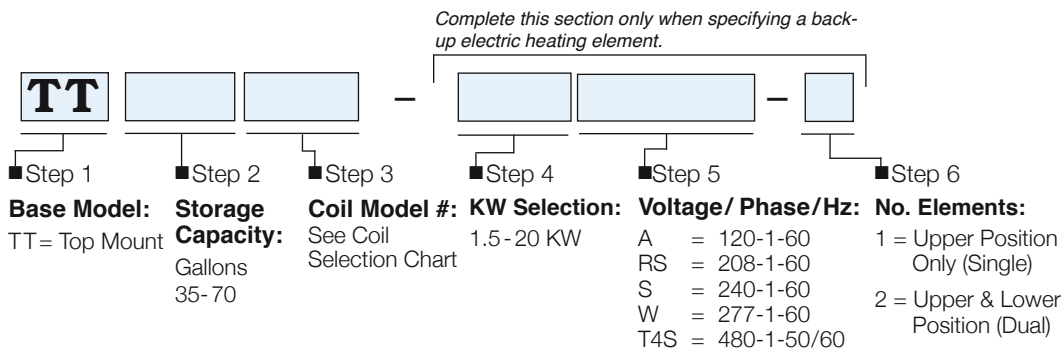
Model TS Number Designation

SIDE MOUNT



Model TT Number Designation

TOP MOUNT



Master Specification: TransFlow Model

JOB NAME _____

ENGINEER _____

REPRESENTATIVE _____

CONTRACTOR _____

GENERAL Provide a quantity of _____ Transflow water heater(s) Model No. _____ as manufactured by HUBBELL Electric Heater Co., Stratford, CT. The entire unit is to be complete with all operating controls and requires only plumbing and electrical service connections. The tank shall be all welded steel commercial construction designed for 150 psi working pressure and contain _____ gallons of storage. The tank shall be lined with seamless Hydrastone cement to a minimum thickness of 3/4" on 100% of all interior tank surfaces and does not require any type of anodic protection. The tank shall be designed and fabricated with non-ferrous copper-silicon threaded tappings and non-ferrous inlet and outlet piping for maximum corrosion resistance. Steel tank tappings will not be acceptable. The entire tank is to be insulated with a minimum of 2" thick polyurethane foam insulation and exceed the latest ASHRAE standard for stand-by heat loss. The complete heater shall be supplied with a high impact colorized composite protective jacket which cannot rust or corrode and does not require painting. The cold water inlet shall be 3/4" Female NPT (**Optional Specification:** 1 1/2" Male NPT) and include a non-corrosive strata-flow diffuser which prevents incoming cold water from mixing too rapidly with hot water in the tank. A 3/4" hose connection drain is supplied. The hot water outlet shall be 3/4" Male NPT (**Optional Specification:** 1 1/2" Male NPT). A separate Female NPT tapping is to be provided for relief valve installation. An ASME rated automatic reseating combination temperature and pressure safety relief valve set at 150 psi and 210°F shall be factory supplied.

HEATING COIL The tank shall be fitted with a heating coil which transfers heat from the boiler water to the domestic water. Boiler water shall be in the tubes and domestic water in the tank. The heating coil shall be of single wall (**Optional Specification:** double wall) copper fine tube construction for maximum heat transfer efficiency and coil longevity. The coil shall be fully removable from the tank to allow for periodic inspection and maintenance without the need to move or lift the storage tank from its installed position.

BACK-UP ELECTRIC The water heater will be supplied with a back-up heater. The back-up heater shall be a single electric immersion heating element (**Optional Specification:** 119 gallon models only: a dual upper and lower element) rated at _____ KW each and designed to operate at _____ volts _____ phase _____ Hz with all necessary operating controls factory mounted, wired and tested. The heating element(s) shall be copper or incoloy sheath electric immersion type sized to obtain the rated recovery. Water temperature shall be controlled through an adjustable 110-170°F snap action surface thermostat. An over-temperature manual reset Hi-Limit shall be factory installed to disconnect all conductors to the heating element in the event of an overtemperature condition in the pressure vessel.

THERMOSTAT The tank shall be fitted with an immersion 110-160°F adjustable electronic temperature controller to control the flow of boiler water through the heating coil. The temperature controller requires a constant 24 volt power supply to operate. The switching relay is a S.P.S.T. 120 volt 10 Amp Max relay which opens or closes the control circuit to the circulation pump or zone valve (by others) in order to regulate the flow of boiler water through the coil and thereby maintain the desired water temperature in the tank.

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 including the heating coil for five (5) years from date of start-up, (residential applications seven (7) years) 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 spare parts list and approved drawings.



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