

CROSS FLOW STEAM/OIL HEATER

Heat Exchanger

The Cross Flow Heater is a steam-to-oil heat exchanger designed to provide a dependable and economical means for preheating fuel oil.

Steam flows through the tubes of these heaters. Oil is pumped through the shell and over and under a series of baffles that direct the oil across the tube bundle. The resultant turbulence assures maximum utilization of heat transfer surfaces. Installation should be on the discharge side of the oil pump. Continuous circulation of the oil must be assured whenever steam is being admitted to the heater. A Model R Relief valve must be installed on the oil side of each heater to protect against oil pressure buildup due to thermal expansion.

Standard construction includes carbon steel shell, cast iron heads, steel tubes and steel tube sheets. The U-type bundle is easily removed by disengaging a single set of flange bolts. Heaters are designed for a maximum 150 PSIG working pressure on the steam side and a maximum 250 PSIG pressure on the oil side.

Suggested Specifications

Steam type oil heater shall be Model ____ Cross Flow steam/oil Heater, as furnished by Preferred Utilities Mfg. Corp., Danbury, CT. It shall be designed to raise ____ GPH of oil from ____ to ____ degrees F. when supplied with steam at ____ PSIG. Heater is to be constructed of a carbon steel shell and tubes with cast iron heads and shall be suitable for a 150 PSIG working pressure on the steam side and a 250 PSIG working pressure on the oil side.

Ordering Information

Consult factory.

