

11. Tracing Drains

Area: Fossil fueled power plants

Application: To provide a heating source around plant pipes and equipment.

Objective: Maintain the temperature of process products such as oil, sulfur, wax, asphalt or chemicals in pipes, pumps and valves to aid transportation of the product to prevent solidifying or congealing plus general use on water lines and associated such as safety showers.

Condensate Load: Low and constant varying in quantity during seasons. Winter produces greater condensate loads between 5 and 50 pounds per hour.

Steam Pressure: Most common range from 50 psi to 150 psi.

Drain to Trap: Condensate flow is normally by gravity.

Trap Discharge: To atmospheric drains or closed returns (note: most return systems are pressurized).

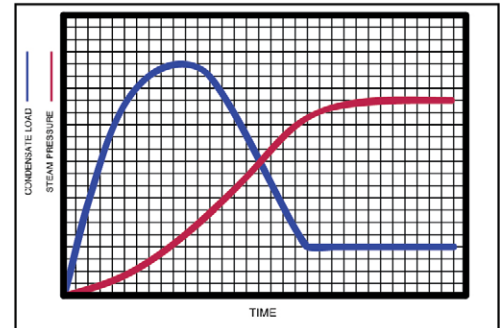
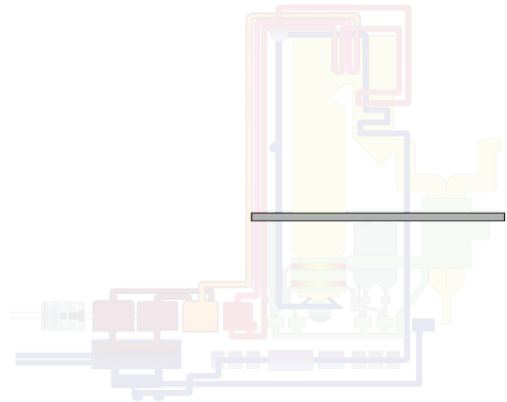
Ambient Conditions: From arctic to equatorial conditions. The greatest danger is from freezing. Always ensure short pipe between trap and ground if atmospheric drain.

Recommended Trap: TS-250 / Q-250 / UST-300

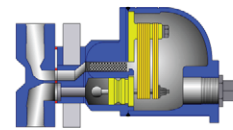
Characteristics: Fail open, self draining vertical or horizontal robust, able to handle cyclic temperature change, good air handling, unaffected by superheat.

A105 CS

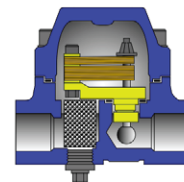
CF8M SS



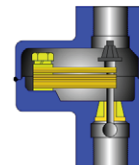
Estimated Running Load for Saturated Tracer Application



UST Series



TS Series



Q Series