

Negative Pressure Semi-Instantaneous Steam-To-Water Heater

The **EnviroSep** Negative Pressure Semi-Instantaneous Steam-To-Water Heater is a manufactured, ready-to-install system designed to address the requirements of commercial potable water heating systems. Designed for high thermal efficiencies under varying load patterns, this system utilizes a fully modulating variable Pilot-operated Temperature Control Valve capable of handling steam pressures ranging from 5 to 150+ psig. This system operates **below 0 psig***, delivering a reduction in energy consumption of 15-20%. Capable of handling a wide range of water flowrates and temperatures, while being Custom-tailored to your specific site needs, makes this system an ideal choice for either New or Retrofit installations.

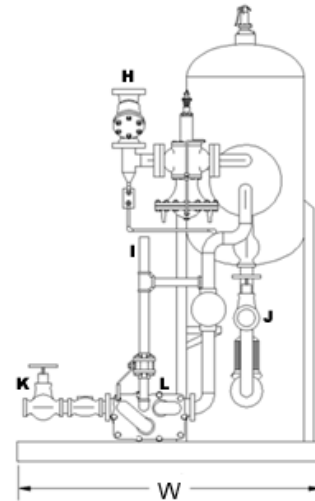
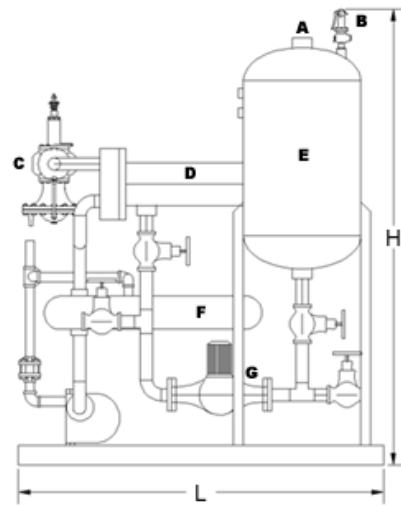
* Note: Under most service conditions which are typical to potable water service.

STANDARD CONSTRUCTION

- Fabricated Channel/Angle Iron frame
- Fabricated Steel Tank
- Bronze Gate Valves
- Copper U-Tube Heater Bundle
- Float & Thermostatic Steam Trap with Stainless Steel Internal Parts
- Hydrostatically Tested
- High Temperature Industrial Enamel Paint

PACKAGE OPTIONS

- Fabricated 316L SS Receiver Tank
- Bronze Ball Valves
- Digital Temperature Indicator w/ adjustable over-temp cutout
- Double Walled U-Tube Heater Bundle
- All Copper piping
- Constant, Self-tuning PID Loop
- Insulation w/ Aluminum jacket
- Fabricated Square Tubing frame



Legend:

Approximate Dimensions: 80"H x 65"L x 45"W

- A. Hot Water Outlet
- B. Pressure / Temperature Relief Valve
- C. Pilot-Operated Temp. Control Valve
- D. Heater Tube Bundle
- E. Receiver Tank
- F. Condensate Tank
- G. Recirculation Pump
- H. Steam Inlet
- I. Thermostatic Air Vent
- J. Make-up Water Inlet
- K. Condensate Outlet
- L. F & T Steam Trap

Regardless of system size, temperature, pressure, fluid medium, or available floor space, **EnviroSep** can service all specialized needs.

EnviroSep • Fluid & Heat Recovery Systems
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