

Semi-Instantaneous Steam-To-Water Heater

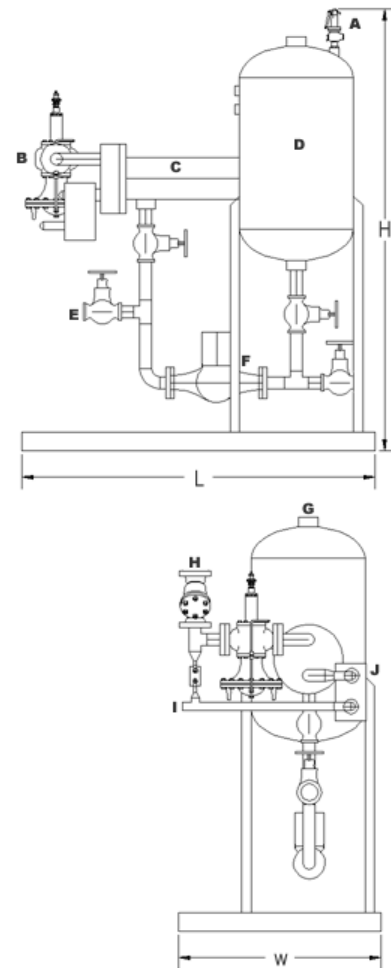
The **EnviroSep** Semi-Instantaneous Steam-To-Water Heater is a manufactured, ready-to-install system designed to address the requirements of commercial potable water heating systems. Designed for high thermal efficiencies under varying load patterns, this system utilizes a fully modulating variable Pilot-operated Temperature Control Valve capable of handling steam pressures ranging from 5 to 150+ psig. 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.

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
- Insulation w/ Aluminum jacket
- Fabricated Square Tubing frame



Legend:

Approximate Dimensions: 70"H x 60"L x 40"W

- A. Pressure / Temperature Relief Valve
- B. Pilot-Operated Temp. Control Valve
- C. Heater Tube Bundle
- D. Receiver Tank
- E. Make-up Water Inlet
- F. Recirculation Pump
- G. Hot Water Outlet
- H. Steam Inlet
- I. Condensate Outlet
- J. 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
A Division of TMT, Inc.

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EnviroSep Fluid & Heat Recovery Systems
Semi-Instataneous, Steam-Fired, Hot Water Heater

Selection & Sizing

Model No. NSI/SI-20			Model No. NSI/SI-45			Model No. NSI/SI-80		
Flow (GPM)	Temperature In(F)	Temperature Out(F)	Flow (GPM)	Temperature In(F)	Temperature Out(F)	Flow (GPM)	Temperature In(F)	Temperature Out(F)
20	40	140	45	40	140	80	40	140
22	50	140	50	50	140	89	50	140
25	60	140	56	60	140	100	60	140
28	70	140	64	70	140	114	70	140
22	40	130	50	40	130	88	40	130
25	50	130	56	50	130	100	50	130
28	60	130	64	60	130	114	60	130
33	70	130	75	70	130	133	70	130
25	40	120	56	40	120	100	40	120
28	50	120	64	50	120	114	50	120
33	60	120	75	60	120	133	60	120
40	70	120	90	70	120	160	70	120

Notes: The above Selection & Sizing Table is used to approximate the capacity of each unit based on conditions of a minimum of 30 psig steam to the control valve. Actual performance may vary based site conditions or abnormal steam or water system occurrences.