

**Model #**  
**SIWH**

## Semi-Instantaneous Water Heater

**Unfired Steam-to-Hot Water**



TYPICAL SPECIFICATIONS	
Steam Pressure	5 to 300 psig
Hot Water Temperature	50 to 250 deg F
Standard System Flow Rate	5 to 500 GPM (0.3 to 30 LPS)
Standard Power	460/3/60 V (Other Voltages Available)
Dimensions	Based Upon Customer Requirements
<b>Working Pressure</b>	100 to 150 psig (6.8 to 10.2 barg)
<b>Working Temperature</b>	< 250 deg F (< 121 deg C)

*EnviroSep SIWH*, Semi-Instantaneous Water Heaters are specifically designed and manufactured for Hot Water Systems with intermittent loading. The system is designed to heat water, on-demand; and a small storage tank is utilized to buffer sudden surges, resulting in accuracy to +/- 3 deg F. An internal Circulation Pump is provided to obtain an even temperature profile throughout the tank volume. The *EnviroSep SIWH*, Semi-Instantaneous Water Heater may be manufactured to include a System Recirculation Pump, which is recommended for maintaining Hot Water Loop Temperature. Electrical controls may be provided with PLC programmable controllers or simple, relay logic.

### Standard Features:

- ASME, Stainless Steel Hot Water Buffer Tank, with U-stamp
- Self-contained, Pilot-operated or Pneumatic Modulating Steam Control Valves
- High Temperature Cut-off Switch, for Independent Source Steam Isolation
- Secondary High Temperature Purge System, with Blowdown Controls
- Internal Circulation Pump
- Inlet Steam Condensate Removal
- Float & Thermostatic Steam Trap
- Outlet Temperature Indication
- Safety Relief Valves
- Removable Tube Section



### Options:

- PLC System Controller w/ Touch Screen
- NEMA 7/9 Explosion-proof Rating
- Plate & Frame Heat Exchangers
- System Recirculation Pumps
- Stainless Steel Main Headers
- Auto System Flow Activation
- Steam-powered or Electric Condensate Pumps

