

**Model #  
STWH**

**Storage Tank Water Heater**

**Unfired Steam-to-Hot Water**



TYPICAL SPECIFICATIONS	
Steam Pressure	5 to 150 psig
Hot Water Temperature	50 to 200 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
Working Pressure	100 to 150 psig (6.8 to 10.2 barg)
Working Temperature	< 250 deg F (< 121 deg C)



*EnviroSep STWH*, Storage Tank Water Heaters are specifically designed and manufactured for Hot Water Systems with periodic loading. Steam is utilized to heat the tank contents during a moderate period of time, conserving energy consumption. Therefore, ample Hot Water is available for consumption for the duration of usage.

*EnviroSep STWH*, Storage Tank Water Heaters may be manufactured with an external heat exchanger or internal tube bundle. The external Heat Exchanger design permits maintenance without draining the Storage Tank. Electrical controls may be provided with PLC programmable controllers or simple, relay logic.

**Standard Features:**

- ASME, Stainless Steel Hot Water Storage 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, *Stainless Steel Vertical Multistaged*
- 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
- Post-filtration
- Multi-staged Centrifugal Pumps
- Specific Performance Criteria (Upon Request)