

**Model #
HTUC**

Closed Loop Heat Transfer Unit

With Steam Powered Condensate Pump

Shell and Tube



TYPICAL SPECIFICATIONS	
Steam Pressure	5 to 125 psig
Hot Water Temperature	120 to 300 deg F
Standard System Flow Rate	5 to 2000 GPM
Standard Power	110 V
Dimensions	Varies
Working Pressure	100 to 150 psig (6.8 to 10.2 barg)
Working Temperature	< 375 deg F (< 190 deg C)

The *EnviroSep HTUC*, Closed-Loop Heat Transfer Unit with integrally assembled steam-powered condensate pump is a complete manufactured system employing the latest technological innovations in closed-loop steam systems. The closed-loop steam system negates Flash Steam loss, thereby delivering efficient heat transfer and condensate removal, with significant savings over conventional Heat Transfer Units. At modulating loads, the Model HTUC operates in a vacuum, utilizing steam at optimal Latent Heat Values, thereby decreasing the mass (lbs.) of steam consumed. Each Unit is custom engineered and designed to meet specific system requirements.

Standard Features:

- ASME, Shell & Tube Heat Exchanger
- Self-contained, Pilot-operated or Pneumatic Modulating Steam Control Valve
- Steam Powered Condensate Pump/ Trap Assembly with Closed Receiver
- Removable Tube Section
- Enclosed Structural Steel Frame



Options:

- Inlet Steam Isolation Valves and Y-Strainer
- Stainless Steel Waterside
- ASME Receiver Tank
- Digital Temperature Output
- Inlet Steam Pressure Gauges
- Output to Building Management Systems
- NEMA 7/9 Explosion-proof Rating
- Inlet Steam Condensate Removal
- System Recirculation Pumps
- Specific Performance Criteria (Upon Request)
- 1/3"2/3 Control Valve Arrangement
- UL-Listed Control Panel with Digital Temperature Controller
- Waterside Thermometers
- Steam / Waterside Pressure relief Valves
- Thermostatic Air Vent

