

Typical Specifications (also available as text files on advancedsteam.com)

Building Heat

XE-BH XE Thermal Vertical Style Steam Water Exchanger for Building Heat.

XE Control for "extra energy extraction" from the steam and condensate. Capacity XX gpm, with EWT 85 LWT 105F, 100 psi steam in, 200F condensate out. Heat exchanger model BEM Vertical steel shell, copper or cupro-nickel tubes & 150 psig ASME stamp. High performance industrial grade control valve for primary condensate control. Electronic control panel with basic MODBus controls (or control can be by BAS contractor). Self standing steel framework. Pre-piped trap, strainer, and control valve on condensate side. Pre-piped thermometers and gages on water side.

Items delivered separately:

Double acting electric actuator on HP butterfly valve and control interface for secondary steam control.

Pressure gauge with pigtail & isolation valve for the steam side

Pressure relief valve on the water/glycol side

F&T steam trap as drip and air eliminator on steam inlet

Domestic Hot Water

Model: XE-DW Ultra High Efficiency Water Heating Skid with Vertical Flooded Heat Exchanger.

XE Control for "extra energy extraction" from the steam and condensate. Capacity: XX GPM of water, from 40F to 120F, 70 psig steam, 200F condensate out. Heat exchanger model BEM Vertical T-316 stainless steel shell, copper or cupro-nickel tubes & 150 psig ASME stamp. Inlet and outlet thermometers. Modulating Electric Valves: Siemens magnetic control valve for primary condensate control.

Electronic control panel with basic MODBus controls. Self standing steel framework. Pre-piped trap, strainer, and control valve on condensate side. Pre-piped thermometers and gages on water side.

Note: If a 3-way mixing or system anti-scald device limits building recirculation back to this unit, a pre-insulated, 150 psi ASME buffer tank and pump are required for unit recirculation.

The tank shall have the same "gallorage" as the unit capacity. (60gpm = 60 gallon tank)

Items delivered separately:

Double acting electric actuator on HP butterfly valve and control interface for secondary steam control.

Pressure gauge with pigtail & isolation valve for the steam side

P/T relief valve on the liquid side

F&T steam trap as drip and air eliminator on steam inlet

Double-wall Domestic Hot Water

Model: XE-DDW Ultra High Efficiency Water Heating Skid with Vertical Flooded Heat Exchanger.

XE Control for "extra energy extraction" from the steam and condensate. Capacity: XX GPM of water, from 40F to 120F, 70 psig steam, 200F condensate out. Heat exchanger model BEU-DW Vertical T-316 stainless steel shell, double-wall copper or cupro-nickel tubes & 150 psig ASME stamp. Inlet and outlet thermometers. Modulating Electric Valves: Siemens magnetic control valve for primary condensate control.

Electronic control panel with basic MODBus controls. Self standing steel framework. Pre-piped trap, strainer, and control valve on condensate side. Pre-piped thermometers and gages on water side.

Note: If a 3-way mixing or system anti-scald device limits building recirculation back to this unit, a pre-insulated, 150 psi ASME buffer tank and pump are required for unit recirculation.

The tank shall have the same "gallorage" as the unit capacity. (60gpm = 60 gallon tank)

Items delivered separately:

Double acting electric actuator on HP butterfly valve and control interface for secondary steam control.

Pressure gauge with pigtail & isolation valve for the steam side

P/T relief valve on the liquid side

F&T steam trap as drip and air eliminator on steam inlet

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Advanced Steam Technology Company LLC

PO Box 2899 – West Lafayette, IN 47996-2899

Phone 877-629-4843 Fax 765-464-8521 www.advancedsteam.com