

## "Zero Flash" Hot Water Heating System

### Industry's most efficient heat exchanger system

- > Saves Energy
- > Save Installation Cost
- > Save on Retrofits
- > Enhances Steam Quality



✓ Accepts Up to 150 psig Steam

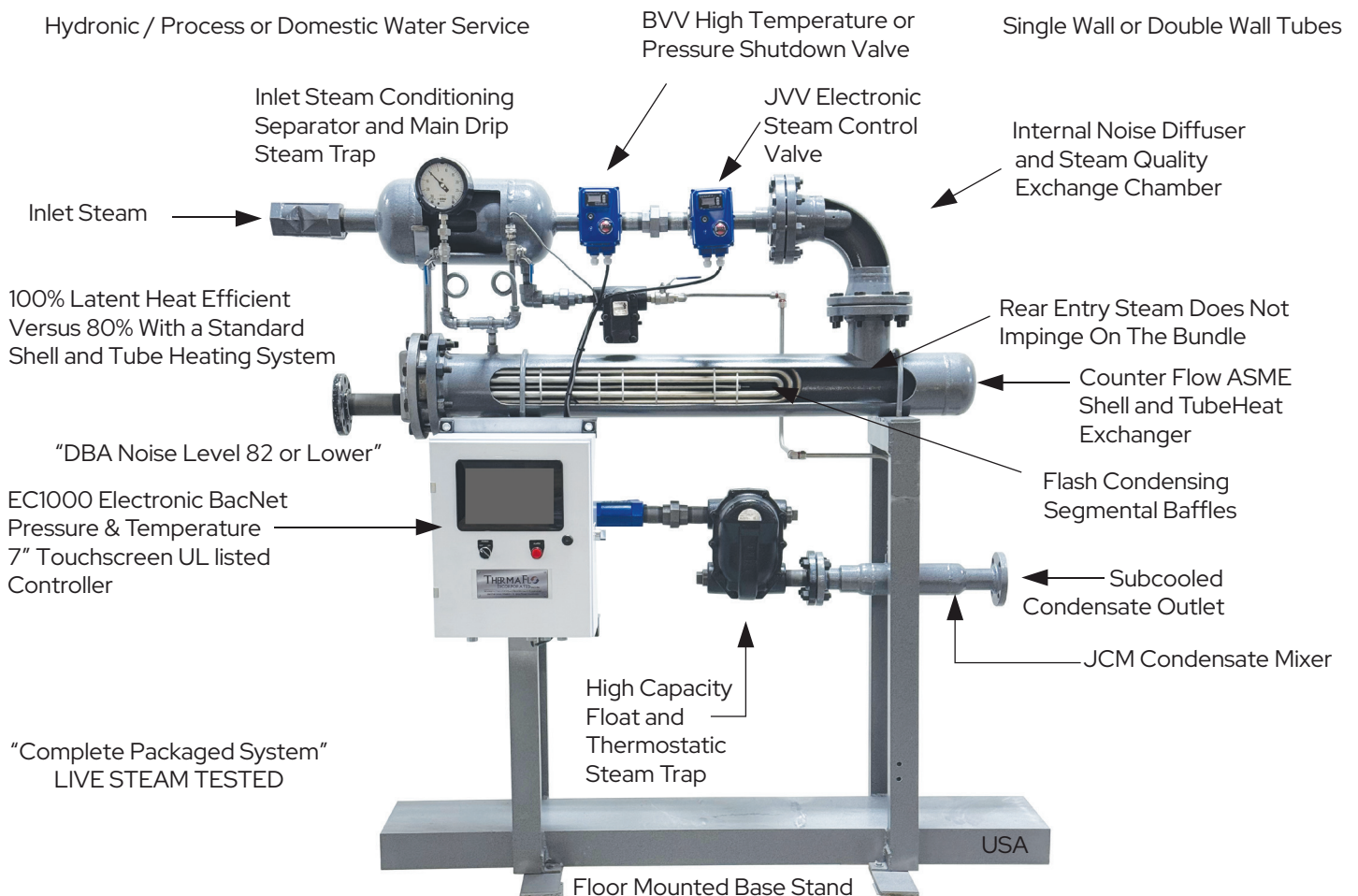
Zero Flash System eliminates large steam pressure reducing valve stations and saves up to 40% over conventional heat exchanger installations. The JVV Segmented V steam control valve controls both temperature and steam pressure in the shell without pneumatics and has 300:1 flow turn down. The unique Zero Flash control system controls discharge temperature and steam in the shell to a low pressure simultaneously and functions as the steam pressure control valve station. All TH-500ZX units can be fitted with ASME safety valves.

✓ Saves Energy Eliminating Flash Steam to Atmosphere and Subcooling Condensate

The TH-500ZX fully condenses the latent heat BTUs and utilizes sensible heat BTUs while discharging condensate below 200°F eliminating all flash steam. No flash tanks are required and condensate can be discharged directly to an electric or pressure powered condensate return pump system. The internal steam conditioning station guarantees a steam quality into the exchanger of 99% with 20% efficiency saving over all standard heat exchangers.

✓ Fully Electronic Integrated and Hydronic System Compatible

The EC-1000 Electronic Controller interfaces with BACNET, or Modbus, and many other BMS protocols so that temperature can be reset, remote start stop, and feedback points are available to the user. In addition this system can be used with all VFD drive hydronic pumping systems for a complete integrated system. Flows to 1200 GPM.



# THERMA FLO

[www.ThermafloEngineering.com](http://www.ThermafloEngineering.com)

Steam Fired Water Heating Systems / Plate Pak Boiler Water Heating Systems / Clean Steam Generators / Condensate Pumps

TH750 Vertical Steam Heater



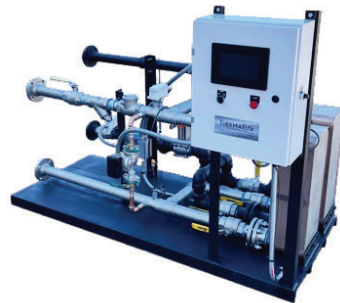
Vacuflo Steam Fired Heater



TH750 EC800II steam heater



TH750 Plate pak water heater



TH750 Vertical Storage Heater



Clean Steam Generator



Steam Traps & Steam Specialties

