

Ez Heater

HOT WATER MADE EZ

FOOD PROCESSING PLANT

JACKETED KETTLE HEATING AND COOKING

APPLICATION

A food processing plant was in need of consistent hot water temperatures at various flow rates on four jacketed vessels in their cooking processes. They needed:

- To replace a failing Pick heater due to hard water fouling
- To lower repair costs and downtime
- Instant hot water on demand at various flow rates
- Precise temperature control for consistent batches

DESIGN CONDITIONS

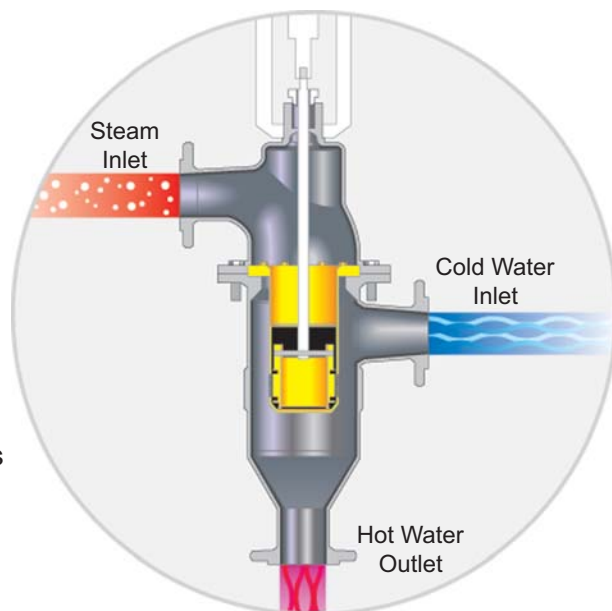
Water Flow Rate: 400 gpm
Water Inlet Temperature: 60-150°F
Water Outlet Temperature: 205°F
Target Mix Temperature: 200°F
Water Inlet Pressure: 50 psig

HYDRO-THERMAL SOLUTION

Hydro-Thermal's EZ Heater model H2040

An H2040 was installed at this facility to replace the Pick heater, which was being overhauled monthly due to failures and clogging issues. Installation of the unit has proven the inherent advantages of its design.

- ◆ 20% increase in uptime due to EZ Heater reliability
- ◆ Repair cost savings of thousands of dollars a year
- ◆ Enhanced steam and liquid turndown capabilities
- ◆ Instant hot water at required temperature and flow rates
- ◆ Patented self-cleaning design to prevent scaling and fouling



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