

RAPID-THERM[®]

Hot Water System



Industrial Steams RAPID-THERM system utilized a shell and tube steam to hot water heat exchanger to deliver hot water instantly to the hot water loop. The RT system seamlessly blends the high temperature water with the domestic/process water for consistent temperature so hot water is always immediately available. Allen Bradley Programmable Logic Controller insures precise control of the three way blending valve.

Features

- ASME rated Shell/Tube heat exchange
- Stainless steel external piping
- Three way blending valve
- Low pressure steam control
- Packaged system
- PLC based control system
- All non-proprietary components

Advantages

- Simple compact design
- Precise temperatures reduce system variability
- Customizable to any temperature or flow condition
- High set point capability for wash down applications
- Seamless integration with existing BAS
- Readily available replacement parts



Components

- Heat Exchanger
- 3-Way Ball Valve
- Steam Trap
- PLC



RAPID-THERMAL CAPACITIES					
	Water Side		Steam Side		100F Delta T MBH
	Inlet	GPM	Inlet	Condensate Out	
RT1	1"	16	2"	3/4"	820
RT1.5	1.5"	34	2.5"	1"	1750
RT2	2"	63	3"	1.25"	3240
RT3	3"	120	6"	2"	6174
RT4	4"	300	8"	2.5"	15435

Additional Steam Specialty Products:

- Accumulators
- High Pressure Condensate Systems
- ZERO FLASH Closed Loop Systems