



Industrial Steam Introduces RAPID-THERM: A High-Efficiency Hot Water Solution

The RAPID-THERM system is part of Industrial Steam's expanded range of steam and hot water solutions.

CHICAGO - Feb. 9, 2025 - [PRLog](#) -- Industrial Steam, a leader in industrial steam and hot water systems, is proud to announce the launch of its new RAPID-THERM system. The RAPID-THERM provides an innovative solution for delivering hot water instantly to the hot water loop by utilizing a shell-and-tube steam-to-hot-water heat exchanger, ensuring high performance and reliability for demanding industrial applications.

Designed for seamless integration with existing systems, the RAPID-THERM system blends high-temperature steam with domestic or process water for a consistent and precise output temperature. The integration of a cutting-edge Allen Bradley Programmable Logic Controller (PLC) ensures accurate control over the three-way blending valve, maintaining optimal hot water delivery under any conditions.

Key Features:

- ASME Rated Shell/Tube Heat Exchanger: For superior heat transfer and durability.
- Stainless Steel External Piping: Offering high resistance to corrosion for long-term reliability.
- Three-Way Blending Valve: Ensures precise temperature control.
- Low Pressure Steam Control: Maximizes efficiency and reduces operational costs.
- Packaged System: Simple, compact design for easy installation and maintenance.
- PLC-Based Control System: Reliable, user-friendly control for precise operation.
- Non-Proprietary Components: Ensures easy sourcing of replacement parts and minimal downtime.

Key Advantages:

- Simple, Compact Design: Easy to install and maintain, ideal for tight spaces.
- Precise Temperature Control: Reduces variability, improving system efficiency and performance.
- Customizable to Any Temperature or Flow Condition: Tailored solutions for diverse industrial needs.
- High Set Point Capability: Perfect for high-temperature washdown applications.
- Seamless Integration with Existing Building Automation Systems (BAS): Easily integrates into existing infrastructure.
- Readily Available Replacement Parts: Non-proprietary components simplify future maintenance and repairs.

Core Components:

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

The RAPID-THERM system is part of Industrial Steam's expanded range of steam and hot water solutions, which also includes specialized products such as Accumulators, High Pressure Condensate Systems, and ZERO FLASH Closed Loop Systems.

"With the RAPID-THERM, we're offering industries a high-efficiency, customizable, and easy-to-integrate solution for all their hot water needs, The RAPID-THERM system ensures precise control, reduces system variability, and enhances operational efficiency — all with the durability and reliability that Industrial Steam is known for."

For more information on the RAPID-THERM system and other industrial steam solutions, visit industrialsteam.com or call 712-243-5300

About Industrial Steam:

Industrial Steam is a leading manufacturer and provider of innovative steam and hot water systems for industrial applications. Known for high-quality solutions that enhance energy efficiency, reliability, and performance, Industrial Steam has been a trusted name in the industry.

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