

Optimize Your Utility / Hot Water Capabilities

Hot water is a vital component to many food production facilities. When used for temperature-critical applications such as cleaning/washdown (140°F / 60°C) and sanitation (180°F / 82°C), if precise temperatures are not met, then facilities may face fines or even shutdown from the USDA.

As a utility, water is often the least of your concerns - your objective is to keep your plant running without interruptions. While it may be easy to adopt an “if it ain’t broke, don’t fix it” mindset - many opportunities exist to improve plant safety, operational efficiencies, and cost savings by optimizing your hot water capabilities.

Hydro-Thermal’s optimized hot water heating applications include:



Hose Stations

Replace multiple stations and mixing T’s with just one central EZ Skid. The EZ Skid eliminates the need for steam piping to each individual hose drop, while providing accurate and safe temperature control from a single location with steam-safety features integrated directly into the system.



Central Hot Water

Varying processing changes makes it difficult to continuously produce hot water at the correctly-regulated temperature. The EZ Skid (with turndown capabilities) is flexible enough to provide instant hot water at your desired temperature during production / plant washdown.



Clean in Place (CIP)

Proper sanitization and cleaning is of utmost importance, but is not guaranteed if using unreliable heating technology, most of which have issues reaching temperature. The EZ Skid can optimally clean equipment in one pass, and 316L materials are available.



Tank Heating

Easily and efficiently heats tanks on in-feed or in recirc mode (trim heat). The EZ Skid can heat the fluid going into the tank, re-circulate the tank to maintain a specific temperature, or leave the tank cold and heat the liquid exiting the tank, producing hot water on demand.

What does your plant need from a hot water solution?

Reaching & Maintaining Critical Temperatures

Always reach your designated set-point temperature

The EZ Skid's internally-modulated steam means responsive and precise temperature control (within $\pm 1^\circ\text{F}$), instantaneous temperature attainment, and rapid heat transfer. This saves energy by heating fluids to exact temperature, allowing set points to be reduced, which decreases energy demand and can result in improved product quality.



Always Have Hot Water Readily Available

Never worry about running out of hot water again

During high demand periods, such as third-shift cleaning and washdown of a facility, it is common to run out of hot water. During production, lack of hot water may result in a line speed "slow-down" to allow the hot water capacity to equal the demand on the system. The EZ Skid (with turndown capabilities) is flexible enough to provide hot water instantly at your desired temperature during production or plant washdown.

Reduce Maintenance Headaches

Cleaning & Maintenance problems can be a thing of the past

Cleaning & maintenance can be challenging if hard water causes scaling and fouling. The cleaning chemicals used for regular cleaning, along with the staff hours needed for thorough cleaning, can be a large sum of money, time, and resources. Our EZ Skid solves this problem through its unique diffuser design, allowing it to inject precise amounts of steam at sonic velocity via choked flow, causing a self-cleaning action. When properly sized for the process conditions and application, our energy-efficient steam heater virtually eliminates scaling and fouling, making it the most reliable process heater on the market.



EZ Skid

The EZ Skid™ is an integrated, compact, pre-engineered heating system that comes with all needed components for application. Connections to plant utilities (steam, water, air, and power) are needed upon receipt.

- › Available in **5 standard sizes** with ratings up to **1,350 GPM (306 m³/hr)**
- › Highly **compact** to meet space constraints
- › **Pre-designed** and partially stocked for **short lead time**

400 Pilot Court | Waukesha, WI 53188
(262) 548-8900 | (800) 952-0121

www.hydro-thermal.com
info@hydro-thermal.com

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Need more information?

Go to www.hydro-thermal.com or
contact us at info@hydro-thermal.com