



The Perfect Temperature. Every Time.



EZ Heater[®]

**The best choice for
instant hot water
on demand**

Instant hot water whenever and wherever you need it.

The EZ Heater harnesses the power of steam to deliver instant hot water with precise temperature control, increased energy efficiency, and minimal maintenance requirements. With thousands of installations in service since its launch in 2005 – all backed by Hydro-Thermal's 100% performance guarantee – the EZ Heater helps you achieve the perfect hot water temperature, every time.



**EZ Heater
is the ideal
solution for:**



Hose Stations

The EZ Heater 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

The EZ Heater (with turndown capabilities) is flexible enough to provide instant hot water at your desired temperature during production or plant washdown.



Clean in Place (CIP)

Proper sanitization and cleaning are of utmost importance. The EZ Heater can optimally clean equipment in one pass, with 316L materials available.

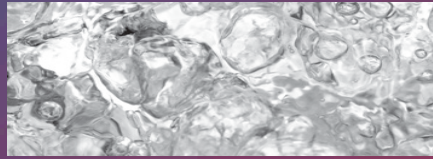


Tank Heating

The EZ Heater 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.



Instantly reach and maintain critical water temperatures within $\pm 1^\circ$ of setpoint



Always have hot water readily available even during peak usage such as cleaning and washdown



Reduce maintenance headaches by virtually eliminating scaling and fouling with a self-cleaning design

A Look Inside

The secret behind our heaters' inner workings is *internal modulation* and *choked flow*.

Internal Modulation

Our unique design ensures predictable and repeatable results. By precisely controlling the flow and amount of steam, we can control the pivotal moment where the steam and water first come in contact and mix. Only the cross-sectional area of the steam diffuser moves, providing process stability through a much wider variation of your process conditions.

Choked Flow

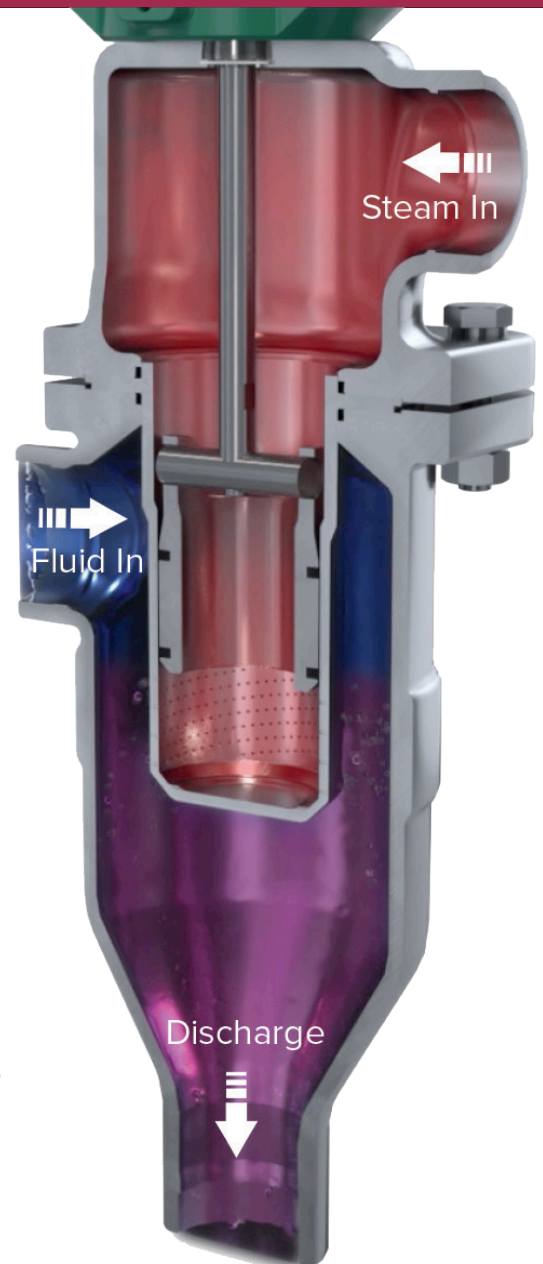
Choked flow is the phenomenon of accelerating a vapor to maximum velocity by creating a pressure differential through the diffuser. By establishing choked flow, the steam mass flow can be metered to precisely control the heating of the liquid, which results in exact precise temperature control with instantaneous steam mixing and condensation.

THE EZ IMPACT*

A meat processing facility achieved a **40% reduction in cycle times and 20% decrease in energy costs** by installing an EZ Heater for their hose stations.*

A pet food manufacturer replaced a sparger with an EZ Skid – requiring **7% less energy** at the boiler for steam, leading to over **\$10,000/yr in energy cost savings**.*

*The EZ Heater is sized to your specifications – results may vary



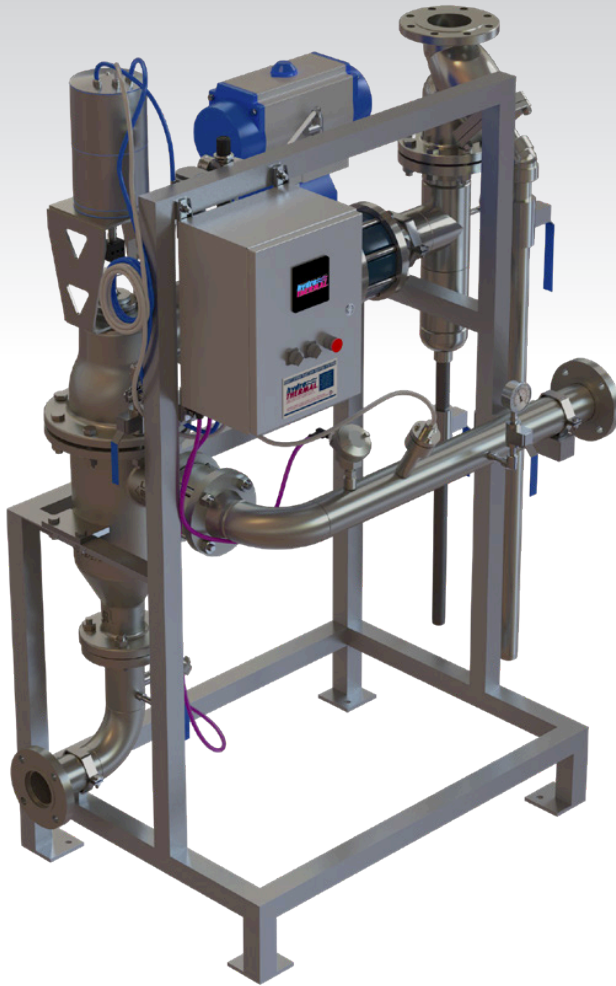
SPECIFICATIONS

Pressure and Temperature Rating	195 psig @ 400° F [13.4bar @ 204° C]
Material	Cast 316 stainless steel [A351-CF8M]
Internal Wetted Parts	316/316L Stainless Steel
Connections	H310, H320: NPT; H330, H340, H360: Flanged, ANSI Class 150#
Compliances	Designed to ASME Sec. VIII, Div.1, CE/ PED and CRN available upon request

Your Total Solutions Provider

Our dedicated team of sales, engineering, and service experts are available to design, install, and support your EZ Heater system throughout its lifetime. From design to commissioning and beyond, rest assured your EZ Heater will perform to its specified process conditions. We deliver:

- Design Services
- Pre-Install Inspection Services
- Commissioning and Start-up Services
- Performance and Operation Support



EZ Skid™ Systems

The EZ Skid™ is an integrated, compact, pre-engineered hot water set heating system that comes with all the needed components for your application. Simply connect to plant utilities (steam, water, air, and power) and you're up and running in no time.

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

Need more information about Hydro-Thermal products?

Visit www.hydro-thermal.com or call (800) 952-0121

