

EzHeater[®]

Hot Water Made EZ

hydro 
THERMAL[®]

Central Hot Water System

Effective high-capacity heating
Adjustable control to meet plant demands



Hose Stations

Service Multiple stations with variable flow
Washdown and general cleaning



Tank Heating

Replace inefficient tank spargers
Rapid temperature rise
Stable trim heating



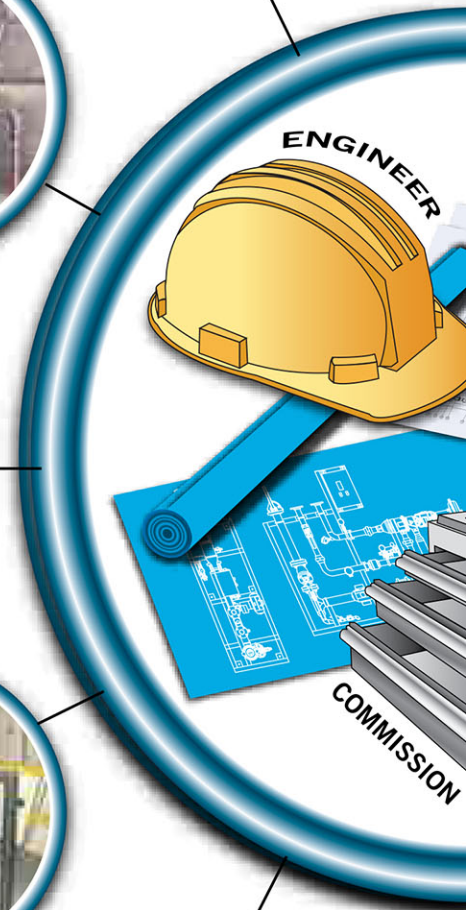
CIP (Clean-in-place)

Compact, small footprint
Reduced cycle time

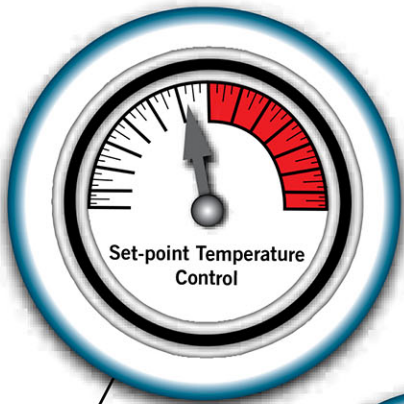


Point of Use

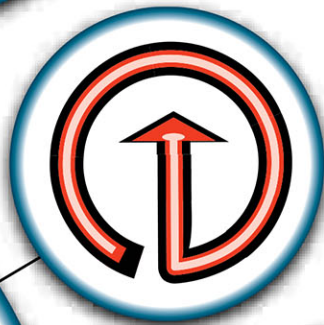
Provides in-line heating at one or more set-point temperatures
Jacketted Vessels



EXPECT • EVALUATE • ENGINEER • MAINTAIN



**On-demand Hot Water
at Precise Temperature**



No Energy Loss



**Worry-free
Operation**



Small Footprint



**Positive Return
on Investment**



Is it important to...

have water at the set-point temperature?

- » Patented internal parts allow high-accuracy temperature control

have enough hot water at peak usage times?

- » On-demand direct steam injection produces hot water when it is needed



EZ Heater Skid Systems
Plumb and go or assemble on-site

eliminate unscheduled maintenance?

- » Reduce costly downtime through simple annual preventative maintenance
- » Patented design eliminates clogging, scaling or fouling

save energy and money?

- » Direct steam injection uses all the sensible and latent energy of steam
- » Significant energy savings can be demonstrated

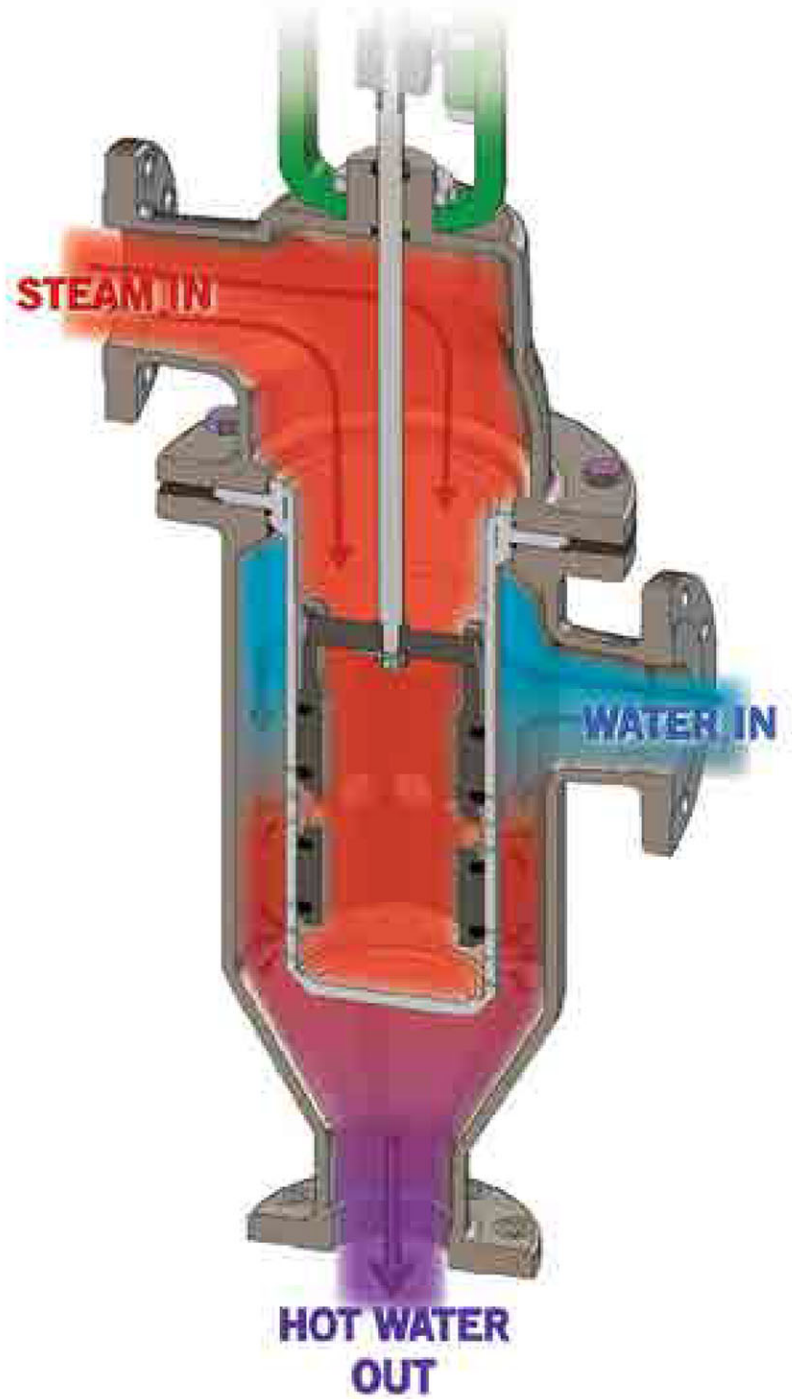
This is why we are the best at what we do:

Internal Modulation

This unique patented design assures precise steam control and produces predictable results based on the position of the stem plug. A variable-area steam nozzle meters steam flow at the point where steam and liquid first contact and mix. This technique eliminates the need for an external steam control valve.

Choked Flow

Choked flow is the phenomenon of accelerating a vapor to maximum velocity by creating a pressure differential through an engineered nozzle. Establishing choked flow precisely controls the heating of the liquid by metering the steam flow.



EZ Heater Cut-away View

SPECIFICATIONS

- » **Pressure and Temperature Rating:** 195 psig @ 400°F
- » **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

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Total Solutions Provider

- » Standard and skidded systems come with everything needed to plug, plumb and install
- » Our talented staff of engineers includes Certified Steam System Specialists who handle system review processes and recommend the heater best suited for the application
- » Control engineers ensure systems integration and our assembly and welders...

SMART Services

Choose the level of service you need to make your SMART ENERGY investment work for you.

We guarantee the EZ Heater will work for the process conditions it is designed to meet. We can be engaged in the project from design to commission and beyond.

- » Design Services
- » Pre-install inspection services
- » Commission oversight (start-up) services
- » Performance and operation support
 - » maintenance
 - » heater rebuilds
 - » spare parts and kits
 - » local manufacturer's representative network for faster response

We will be your SMART ENERGY investment™.

100% Performance Warranty

If, at any time and for any reason, a Hydroheater should fail to perform as designed,* and Hydro-Thermal is given adequate opportunity to provide a remedy, Hydro-Thermal will, after receipt of the unsatisfactory unit, reimburse 100 percent of the original purchase price.

*Proper replacement of wear parts required



hydro
THERMAL®

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your
SMART
ENERGY
Investment

