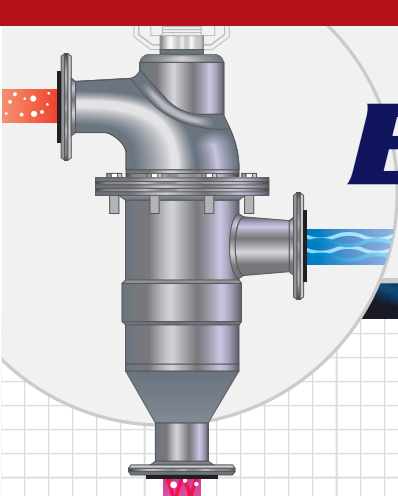


EzHeater



THE EZ
DIFFERENCE

CREATING HOT WATER WORLDWIDE



EzHeater

THE EZ DIFFERENCE

THE EZ CHOICE



WHY CHOOSE AN EZ HEATER?

Our technology has evolved over the past 70 years to create the perfect water heating solution: the EZ Heater. This small piece of equipment utilizes steam from your boiler to inject directly into your water stream allowing for instantaneous hot water. This method of heating is called direct steam injection, or DSI. Direct steam injection technology has been utilized since the early 1900's. This technology is currently being used to heat everything from baby food to wastewater. This 100% energy efficient method provides the most economical choice for your hot water needs. On demand water heating, at the precise temperature you require, whenever you need it. It's that EZ.

Traditionally, water heating has involved transferring all the heat energy through one or two metal walls. Water quality, fouling, plugging and rust all occur to reduce the efficiency of the heat transfer process. Also, the traditional process required a return system that attempted to capture the excess heat energy and return it to the start of the process to be reused. These systems are difficult to maintain and lead to a reduction in energy efficiency and production time. Wherever hot water is needed within your process, the EZ Heater is the perfect choice.

EZ TO SAVE



ENERGY

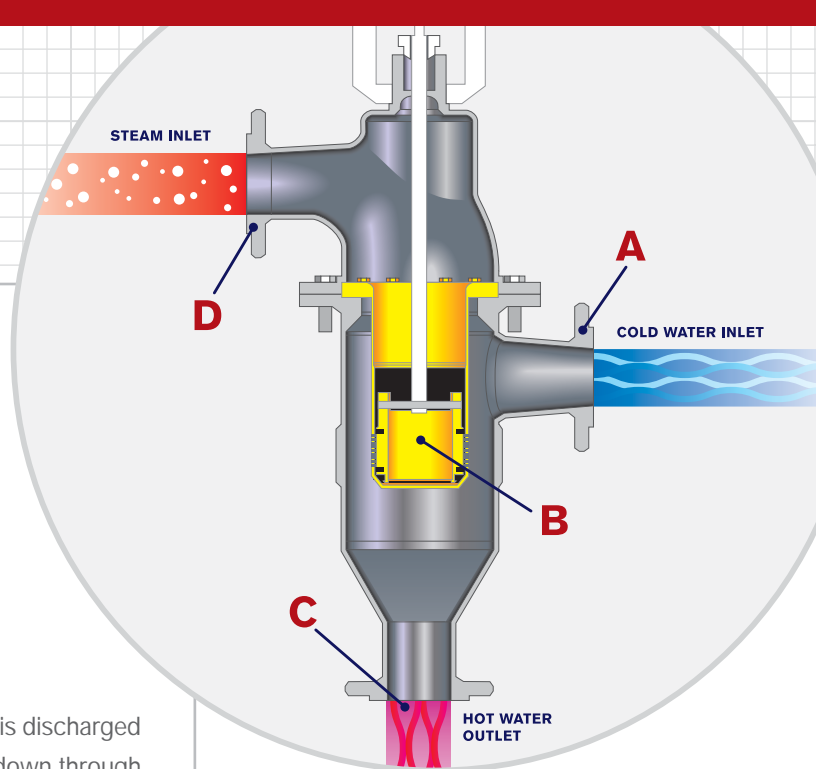
The EZ Heater provides 100% energy efficiency. It's self-cleaning design means no plugging or fouling complications to reduce efficiency. No condensate return system is required.

MONEY

Self-cleaning and long lasting durability means no costly yearly maintenance charges. Extra piping and materials to install those condensate return systems are no longer required.

TIME

Minimal maintenance time – there are only three replacement parts. Long-lasting and easy to depend upon. The worry-free solution for your hot water needs – EZ Heater.



EZ TO DEPEND UPON

HOW DOES THE EZ HEATER WORK

Water enters at the inlet (A), flows past the diffuser (B) and is discharged at the outlet (C). Steam enters at the inlet (D) and travels down through the diffuser (B) where it is injected into the water. Steam is injected into the water through the small holes within the diffuser (B). To control the amount of steam injected or heating required, an actuator moves the stem plug to expose the necessary amount of holes on the diffuser. Each hole exposed discharges steam at very high, often sonic velocity. The turbulent nature of this high velocity discharge enables steam to instantaneously penetrate, disperse and efficiently produce uniform heating. The temperature of the outlet water is measured downstream and the steam flow is modulated accordingly to achieve a target temperature.

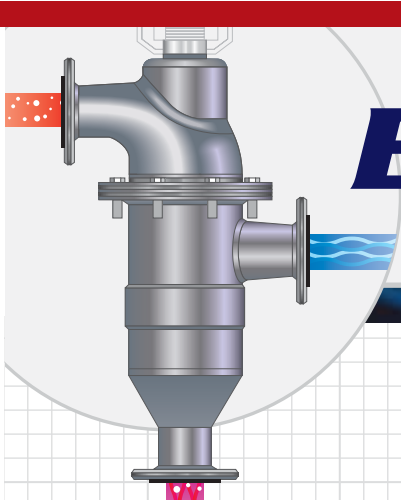
WHY HYDRO-THERMAL CORPORATION

We have been creating direct steam injection heaters for over 70 years. Our expertise in the industry is unmatched. The EZ Heater is the most efficient and easy to use water heating solution available on the market. Let the EZ Heater provide the EZ difference you have been looking for to provide your hot water needs.

- Industry leading delivery (Express delivery available).
- 360 degree installation flexibility and no floorspace required.
- No complicated controls or processes to learn.
- Only three replacement parts.

EZ TO TRUST





EzHeater

Carmel Process Solutions
484 E. Carmel Dr. #213
Carmel, Indiana 46032
Phone: 317-705-0217

THE EZ HEATER DIFFERENCE



Carmel Process Solutions
484 E. Carmel Dr. #213
Carmel, Indiana 46032
Phone: 317-705-0217



ENERGY EFFICIENT

100% of the available heating energy from the steam is absorbed by the water, dramatically reducing fuel costs.

SELF-CLEANING

Our patented self-cleaning design eliminates plugging and fouling headaches associated with other heat exchangers.

EXCEPTIONAL TEMPERATURE CONTROL

Precise temperature control – within 2°F – assures process consistency and conserves energy.

EASY TO INSTALL

360° rotating inlets allow for flexibility and ease of installation.

EASY TO OPERATE

Offered with either automatic or manual steam control, creating your customized solution.

NO FLOOR SPACE REQUIRED

Mount in-line or above your process to save valuable floor space – lightweight design.

WORRY-FREE OPERATION

Smooth and quiet operation – proven durability and maintenance free design.

ABOUT HYDRO-THERMAL CORPORATION:

With technology and engineered solutions dating back to the 1930's, Hydro-Thermal Corporation has been satisfying customers with their knowledge and expertise in direct steam injection heating solutions. Over the years, Hydro-Thermal Corporation has adapted their technology and expertise to serve customers in the pulp and paper, chemical, textile, pharmaceutical, food processing, biotech, grain milling, petrochemical and water treatment industries. Hydro-Thermal Corporation offers engineered solutions for the most difficult liquid heating applications. From start to finish, Hydro-Thermal Corporation is there to meet your needs.



400 PILOT COURT • WAUKESHA, WI 53188 USA • (262)548-8900 • FAX: (262)548-8908 • 800-952-0121
www.hydro-thermal.com • info@hydro-thermal.com

mktg-087 rev. A 5-05