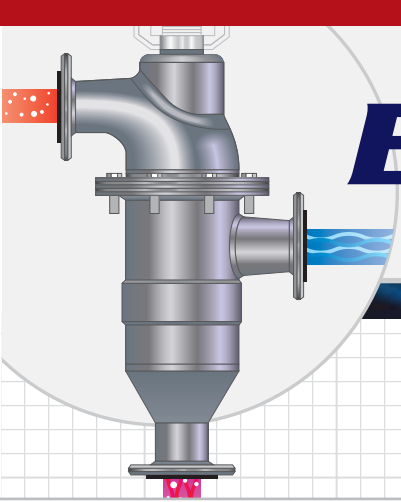


# ***Ez** Heater*



THE EZ  
DIFFERENCE

CREATING HOT WATER WORLDWIDE



# EZ Heater

## 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

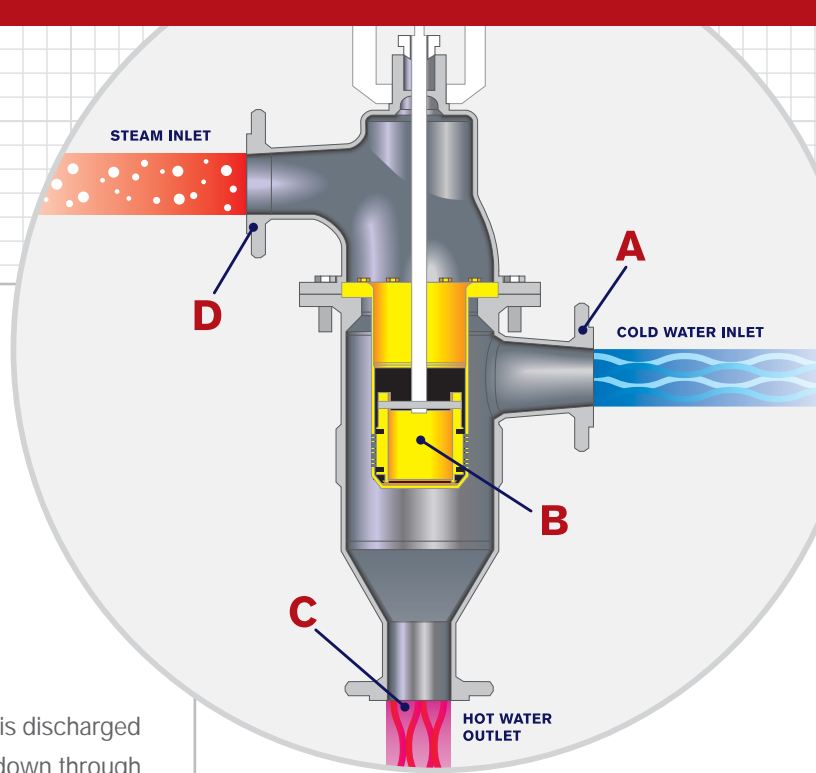
The EZ Heater provides 100% energy efficiency. It's self-cleaning design means no plugging or fouling complications to reduce efficiency. No condensate return system is required.

### 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



