

EZ Heater for Can Topping

From vegetables and fruit to every canned good in-between, cans or jars are automatically filled with product and then topped off with a brine or water solution at very specific temperatures. With health concerns, FDA recalls over E-coli and other bacterial contamination, meeting exact temperature requirements for sanitization and pasteurization is critical in the canning process.

Direct Steam Injection using the EZ Heater® optimizes all water heating processes and ensures exact temperatures. This 100% energy efficient method provides the most economical and hassle free choice for all hot water needs and saves more than 25% in energy savings over heat exchangers. The EZ Heater also ensures enough hot water even during high usage periods.

The EZ Heater takes the full steam pressure from a boiler and mixes it with standard city or well water at sonic velocity to make hot water and/or brine solution at the exact temperature required. The high velocity mixing using patented internal modulation ensures precise temperature control, quiet hammer free operation and self cleaning technology to eliminate hard water scaling and fouling.

Installation of the EZ Heater will provide the inherent advantages of its technology:

- » Instantaneous hot water on demand at exact temperature - never run out of hot water during high usage periods
- » Exceptional energy savings over heat exchangers
- » No condensate return system needed which also eliminates maintenance and down-time issues
- » Exceptional turn-down ratios to handle various flow rates from 2- 1,350 gpm
- » Patented self-cleaning design to eliminate maintenance issues from hard water scaling and fouling

Hydro-Thermal Solution

- » Exceptional energy savings compared to heat exchangers
- » Precise temperature control
- » Patented self-cleaning design to eliminate scaling and fouling
- » Standard vertical, horizontal and wall-mount skid systems
- » 316 stainless steel 150# construction for 2-1,350 gpm applications
- » Sanitary or industrial versions are available
- » Quiet, hammer-free operation

