



Process Heating Solutions Worldwide

## Food Processing Industry Case History



### Pickle Pasteurizer

#### Application

Manufacturer of tunnel conveyor pasteurizer required several efficient and responsive instantaneous heaters for their 9-zone conveyor to pasteurize pickles.

Water is recirculated through each zone in the pasteurizer and sprayed on the jars of pickles. However, each zone must be operated at a different temperature so as not to shock the glass jar. Therefore, each zone required a separate heater to maintain the circulation water temperature. Accurate water temperature was paramount.

#### Process Conditions

**Model 6X25-1 heater** for the beginning zone operated at 33 GPM at a 69°F temperature rise.

**Model 6X50-1 heaters** each at 180 GPM for the middle zones.

33°F temperature rise per zone

70-100 PSIG steam pressure

17-21 PSIG water pressure

**Model 6X10-1 heaters** on the last zones operated at 30 GPM at a 40°F temperature rise.

#### Solution

All Pick Heaters provide instantaneous injection of steam into the circulating water zones, and respond instantly to changes when the conveyor is slowed or stopped due to production changes. Pick steam injection heaters use all available BTU's in the steam so energy efficiency is maximized.

#### Features and Benefits:

- Low Maintenance
- Instantaneous Supply of Hot Water
- Compact Design

Learn more at

[www.pickheaters.com](http://www.pickheaters.com)

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