



**Process Heating Solutions Worldwide**

## Food Processing Industry Case History



### Bakery Pan Cleaning

#### Application

A bakery looked to speed up their pan cleaning tank operation. They wanted to fill a 100-gallon tank of water, used for pan cleaning, at 190°F using city water at 50°F.

#### Process Conditions

Water Flow Rate: 10 GPM  
Steam Pressure: 80 PSIG  
Liquid Pressure: 60 PSIG  
Expected heat steam load is based on  
 $10\text{GPM} \times 140^\circ\text{F rise} \times 0.43 = 602 \text{ lb/hr}$

#### Solution

**Pick Model 6X7-3 Constant Flow Heater** with a nominal 700 lb/hr steam capacity and standard non-indicating pneumatic temperature controller.

#### *Similar applications for this market include:*

- Constant Flow Heater with boost pump for pan cleaning. Boosts pressure to pan cleaning line from normal 60 PSIG to 1,500 PSIG. The use of higher water temperature along with higher water pressure should effectively and quickly clean their pans.
- Jacketed heating of sugar glazes in a kettle with a hot water set. The hot water set can also provide hot water to a spray ball cleaning that same kettle in the evening.

#### Features and Benefits:

- **Compact Size**
- **On Demand Hot Water at a Uniform Temperature**
- **Exceptional Cost Savings**

**Learn more at [www.pickheaters.com](http://www.pickheaters.com)**

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