

## Felt Showers

## Pulp & Paper Industry Case History

### Features and Benefits:

- ◆ *Instantaneous Supply of Hot Water*
- ◆ *Automatic Operation*
- ◆ *Smooth, Quiet Performance*
- ◆ *Precise Temperature Control*

### Application:

Paper mill required source of precisely controlled hot water for machine felt showers. With thorough loosening and flushing of fiber and fillers from felts, water removal in press section is maximized. Dryer section efficiency improves resulting in improved machine run-ability. Shower water is controlled at 160°F, where detergents and dispersions are most effective.

### Process Conditions:

Water flow rate:	100 GPM
Temperature rise:	100°F
Set point:	160°F
Steam flow:	4,300 lb/hr

### Solution:

**Pick 6X50-3 Constant Flow Heater**, RTD included for controlling process temperature through mill controls.

