

Backwashing Starch Filters

Features and Benefits:

- ◆ *Instantaneous Supply of Hot Water*
- ◆ *Precise Temperature Control*
- ◆ *Smooth, Stable Operation*



Pulp & Paper Industry Case History

Application:

Customer required a hot water supply for backwashing of Ronningen-Petter tubular filters in the starch preparation area. A constant demand for 160°F water was necessary to satisfy the continuous washing cycles for a series of filter element. Cleanability of the filter system was vital for maintaining efficiency in the starch preparation area.

Process Conditions:

| | |
|-----------------------|-------------|
| Water flow rate | 250 GPM |
| Temperature rise | 120°F |
| Discharge temperature | 160°F |
| Steamflow required | 1,300 lb/hr |

Solution:

Pick Model 6X150-3 Constant Flow Heater
Alternative: Pick Variable Flow Heater to handle the wide range of water flow rates and intermittent demand of multiple filter banks.