



Process Heating Solutions Worldwide

General Industrial Case History



Pre-Heat Boiler Feed Water

Application

A power plant generates steam for a neighboring paper recycling mill. Condensate could not be returned from the mill. Therefore, the power plant required an instantaneous supply of hot water to keep up with varying demands on the boiler. Space was limited making the use of bulky storage tanks or shell-and-tube heat exchangers impractical. Considerations needed to be made for high-pressure superheated steam supply.

Process Conditions

Water Flow Rate:	400-700 GPM
Temperature Rise:	125°F
Maximum Outlet Temperature:	190°F
Steam Supply Pressure @ 450°F:	273 PSIG
Water Supply Pressure:	100 PSIG

Solution

Pick Model 6X350/17 Variable Flow Heaters:

Three heaters pre-assembled on heavy-duty angle iron frames.

Features and Benefits:

- Compact Design
- Instantaneous Supply of Hot Water
- Smooth Operation Under Varying Demands
- Energy Efficient
- Service After the Sale

Learn more at www.pickheaters.com

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