



Process Heating Solutions Worldwide

Steam Injection Liquid Heating System

We're Heating Up... The Pulp & Paper Industry

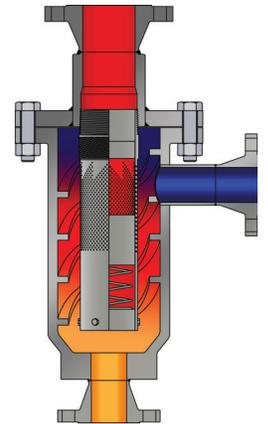


Continuous Starch Cooking

Cooking starch slurry on a continuous basis through a Pick Heater can cut starch preparation time in half, and cut steam consumption and fuel costs. The Pick Heater is inexpensive, simple to install and operates quietly. Most important, it maintains precise temperatures automatically without manual adjustment regardless of load. This accurate temperature control ensures a uniform product run after run.

Batch Starch Cooking

Using the Pick Steam Injection System offers important advantages over sparging nozzles for starch cooking. It eliminates water hammer which is damaging to the starch cooking tanks. It also provides more even and rapid heating of the starch ensuring a uniform product batch after batch.

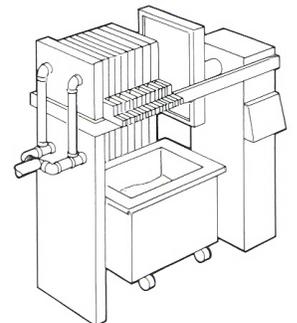


Heating Green, Black and White Liquors

Pick Heaters are ideal for use in heating the three liquors used in the alkaline pulping process. Pick Heaters can maintain precise liquor temperatures which are crucial to the efficiency of the process. In addition the simplicity of the system results in minimal maintenance.

Heating White Water/Headbox Stock

The Pick System provides the most economical method of heating white water and headbox stock. It maintains slurry outlet temperature regardless of varying inlet temperatures.

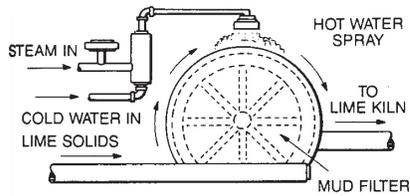


Learn more at www.pickheaters.com

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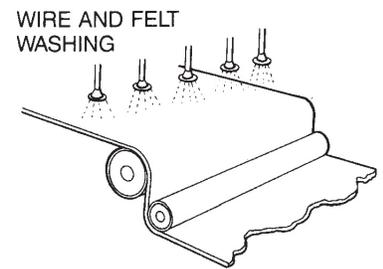
Mud Filter Washing



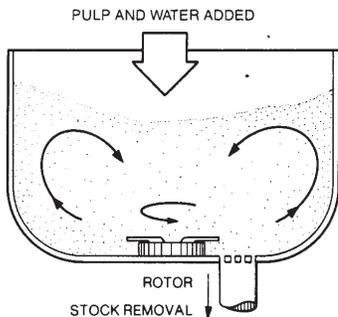
The Pick System can supply mud filter water at the optimum temperature for maximum filtering efficiency. This results in a higher concentration of solids to the lime kiln. The problem of water hammer that can occur with sparging or venturi heating systems is eliminated by the Pick Heater.

Wire and Felt Washing

The Pick Heater is ideal for wire and felt washing because of its ability to maintain accurate wash water temperature. Heating the wash water instantaneously as required eliminates the need for large inefficient storage water heaters. Wash water temperatures are maintained precisely. The proper hot water temperatures ensure clean and long lasting felts.



Hydra Pulping



The Pick System can supply large volumes of water at preset temperatures to the hydra pulper. Filling the hydra pulper with hot water greatly reduces the pulping cycle because there is no waiting for cold water in the pulper to be heated. Since the Pick System requires little maintenance, expensive down time is kept to a minimum.

Heating Boiler Feed Water

The Pick System maintains boiler feed water at a consistent temperature, with minimum maintenance and outstanding efficiency. Steam used to heat the feed water is returned directly to the boiler in the feed water, which eliminates the need for a steam trap and a condensate return.



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