Challenge
A U.S. paper mill in the Southeast wanted to increase the air temperature in its pocket ventilating (PV) system based on recommendations included in a dryer audit conducted by Kadant Johnson. The coil manufacturer did not want responsibility for the steam and condensate system and the mill did not have personnel available to handle the systems portion of the project.

Solution
Kadant Johnson provided engineering services to design the steam and condensate system and supply the required equipment for the PV coil project.

Results
The steam and condensate piping design and associated equipment including isolation and control valves, steam traps, and Liqui-Mover® PumpTrap systems were successfully installed and the PV coil system has been producing the heated air as designed. The system is operating as a “closed” system, meaning flash steam loss is eliminated and hotter condensate is returned to the boiler.

Highlights
- Kadant Johnson steam and condensate piping design services can contribute to improving machine energy efficiency.
- “Closed” systems help to return hotter condensate to the boiler.