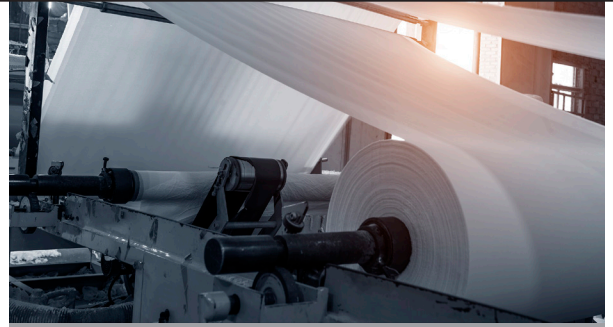


AVENTICS™ control valves increase liquor flows on paper company's digestors

RESULTS

- Designed a robust pneumatic control solution
- Provided engineering drawings and technical support
- Assembled components in environment-proof enclosures
- Eliminated valve failures due to harsh conditions
- Reduced associated maintenance costs



APPLICATION

Paper digester

CHALLENGE

A paper company experienced productivity issues at one of its large facilities. The pneumatic valves controlling the digestors' black and white liquor flows were consistently failing – disrupting production and adding maintenance expense. The company searched for reliable control valves that could withstand the facility's harsh environment and dirty compressed air.

SOLUTION

Emerson's technical team realized that a new control solution was needed to eliminate the paper company's control valve failures. The team designed a comprehensive pneumatic control solution that consisted of AVENTICS Ceram™ directional control valves that were panel-mounted in an enclosure. The Ceram valves were specifically manufactured to endure harsh environments, plus the enclosure added more protection. The system's transmitter and terminal strips were also installed in the cabinet for greater security. Emerson provided the paper company with the engineering drawings, assembled the enclosures, and installed them on the digestors.

The accessible, yet rugged solution virtually eliminated valve failures due to the harsh environment. It also reduced the associated maintenance costs.

Emerson Automation Solutions
1953 Mercer Road
Lexington, KY 40511
+ 1 859-254-8031
us.AVENTICS@Emerson.com

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