

Wisconsin Paper Mill Profits from the Rosemount™ Compact Annubar™ Technology Through Quick Delivery and Easy Installation

RESULTS

- Provided a more accurate, stable, reliable, and repeatable flow measurement
- Quick delivery and installation kept the project on schedule
- Avoided costly pipe modifications during installation



APPLICATION

Measuring flow in a condensate line

APPLICATION CHARACTERISTICS

4-in. line

CUSTOMER

Major paper mill in the U. S.

CHALLENGE

A paper mill located in Wisconsin wanted to improve the performance of a measurement point on a condensate line during a brief process shutdown. They needed a measurement solution that would be installed easily with minimal installation costs. Additionally, a solution was needed quickly, so the mill could stay on schedule — a prolonged shutdown would affect profitability.

The mill was experiencing measurement reliability problems. They were using a different manufacturer's vortex and magnetic flow meters on this application and were looking for a new alternative. The mill wanted to pursue a Differential Pressure (DP) Flow measurement option that didn't require an expensive installation with additional pipe penetrations or time-consuming impulse piping. They needed a solution that was easy to install and could be delivered on short notice that wouldn't result in lost production.

The Rosemount Compact Annubar Flow Meter was quickly installed without any additional pipe modifications.



Rosemount Compact Annubar Flow Meter installed between two raised-face flanges

SOLUTION

A Rosemount Compact Annubar Flow Meter was ordered and delivered on time. The paper mill was able to install the Flow Meter between two standard raised face flanges on the process line with ease. The centering mechanism ensured proper alignment in the pipe and optimal accuracy. The integrated Flow Meter did not require impulse piping or extra welding, which ensured that the installation could be completed during this short process shutdown.

This technology proved to be a more accurate, stable, reliable, and repeatable flow measurement. The quick delivery of the Rosemount Compact Annubar Flow Meter prevented a costly production start-up delay. The Flow Meter was quickly and easily installed, and it eliminated the additional labor costs associated with piping modifications or assembling impulse piping.



No new piping modifications or welding was required in this quick installation

RESOURCES

Emerson™ Pulp & Paper

Emerson.com/Industries/Pulp-Paper

Rosemount Annubar Flow Meter Series

Emerson.com/Rosemount/Rosemount-3051SFA-Annubar-Flow-Meter






Rosemount 3051S Transmitter Series

Emerson.com/Rosemount/Rosemount-3051S-MultiVariable-Transmitter



Rosemount Compact Annubar Flow Meter




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