



APPLICATION STORIES

APPLICATION: PAPER INDUSTRY

A leading paper manufacturer located in Japan uses Air-Operated Double Diaphragm (AODD) pumps to inject process chemicals into a mixing tank.

PROBLEM:

The low viscosity of the liquid, less than 10 centipoises, makes the chemical in this particular application very susceptible to the reciprocating action of the pumps. This makes it extremely difficult to maintain any type of accuracy when introducing the chemical into the batch. As a result, the quality and consistency of the final product suffers.

SOLUTION:

The installation of a BLACOH inlet stabilizer at the pump's inlet and a BLACOH pulsation dampener at the pump's discharge create an even flow into the pump and a pulse-free pump discharge which creates a smooth, consistent, laminar flow of the process chemicals. This allows the system instrumentation to function correctly, increasing accuracy and producing a quality product.

RESULT:

Since the BLACOH SENTRY Inlet Stabilizers and Pulsation Dampeners have been installed, the surge in the system has been eliminated. The system produces a smooth, even discharge which allows the system to function properly saving the company thousands of dollars in production-associated costs.

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