

CASE STUDY



De-Inking Plant Saves \$150,000/year

Kruger, Bromptonville, Quebec, Canada

Pumping the liquid ink sludge from its thickener plant was proving a difficult and costly business for this Quebec-based paper company. The existing air-operated diaphragm pumps were continually breaking down and the maintenance bill was astronomical.

Kruger started-up three Discflo pumps for the de-inking plant in 1993. Now, six years later, the pumps are still operating successfully. Reports Hydro Dynamics, Discflo's distributor in Quebec: "Everyone at Kruger involved with this installation is extremely impressed with Discflo."

The Discflo pumps replaced air operated diaphragm pumps. Kruger's senior engineer, Robin Langlois, reports that the installation of the Discflo pumps has resulted in a reduction in maintenance of \$50,000 per year per unit, \$150,000 in total. This reduction includes the cost of replacement diaphragms for each pump every few weeks, manpower and downtime.

Mr Langlois adds: "All the problems we had with the diaphragm pumps and with high maintenance costs disappeared when we installed the Discflo pumps. Their performance has been astonishing."

The decision to install Discflo pumps was based on the success of an earlier Disc pump installation at the plant in 1989. This application, the first for Discflo at a Canadian pulp and paper mill, was for handling a newsprint effluent containing fibers, pulp, sand, chips and other impurities. Three 403-3D Disc pumps replaced diaphragm pumps which required maintenance several times a month. The Disc pumps produced no breakdown of the polymer chain, no destruction of the fibers, and no plugging.

This case study is based on information from Tony Wolever, Hydro Dynamics.

The Challenge

High maintenance bills from air-diaphragm pumps

Frequent pump breakdown

De-inking sludge is very viscous

The Discflo Solution

Maintenance bill cut by \$150,000 a year with Discflo pumps

Minimal downtime in six years

No polymer chain breakdown, no fiber damage in stock application

DISCFLO
INTELLIGENT. SUSTAINABLE. SOLUTIONS

Call Discflo now to find out how our pumps can solve your problems.