

# CASE STUDY

## Solving the Latex Shearing Problem

*Atochem N. A., Alabama*



**Chemical manufacturer, Atochem, has found the Discflo technology to be the best solution for pumping shear sensitive latex at its plant in Alabama. Here, Bruce Thomas of General Machinery Supply Company, Discflo's contractor for the project, reports the results of the first Disc pump trial conducted in 1990.**

"I am very happy to inform you that the jury is in on the above referenced (D-200 Latex) trial application, and the verdict fell very much in Discflo's favor. With a few minor bugs left to work out, the consensus is that, in less than a month of operation, the Discflo pump has increased productivity approximately 12%.

"Prior to using the Discflo, Atochem used a mixed bag of pumps consisting of everything from standard end-suction centrifugals to air operated double-diaphragm types, to move their highly shear sensitive latex product. In all cases, the latex would shear in the pump and discharge a high concentration of solids downstream.

"Eliminating the solids or shearing problem raised productivity. However, the 12% figure does not take into account the annual savings they will enjoy in reduced down time and prolonged filter life. Prior to this installation, they were changing disposable filter cartridges every four to five days.

"Thank-you again on behalf of both Atochem and General Machinery, for providing the solution to their problem. Your willingness to provide a pump for trial on this one, has guaranteed us both an additional 8 installations at this plant."

### The Challenge

Shearing of sensitive latex reduced productivity

Replacing filters every 4-5 days due to solids from shearing

Tried many pumps without success

### The Discflo Solution

Laminar flow in Disc pump reduced shear, eliminated solids

Productivity increased 12%

Savings in prolonged filter life

**DISCFLO**  
INTELLIGENT. SUSTAINABLE. SOLUTIONS

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