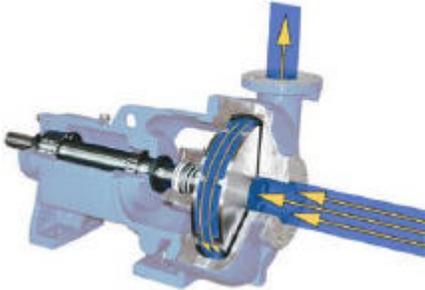


# CASE STUDY

## Egg White Pumping Without the Foam!

*National Egg Products, Social Circle, GA*



Discflo's unique laminar flow system is proving perfect for pumping egg whites. At National Egg Product's plant in Social Circle, GA, two Model SP302-10-2D Disc pumps have replaced positive displacement pumps in this delicate, moderately viscous and abrasive application.

The PD pumps used previously suffered from high levels of maintenance, typically needing a rebuild every three months and an entire wet end replacement once a year. Due to the close tolerances in the pump, the rotors were quickly worn out by the particles of egg shells remaining in the unfiltered egg whites.

But the biggest factor for National Egg in choosing the Discflo technology is the ability to pump egg whites without foaming. Egg whites are very sensitive to shear and thus to foaming. This excludes the use of centrifugal type pumps, the impellers of which whip the product into a foam. Although PD pumps do not cause as much foaming, they suffer from excessive abrasion, as National Egg's experience showed.

The Discflo Disc pump, on the other hand, overcomes both the abrasion and the foaming problem, thanks to its unique laminar, 'non-impingement' pumping mechanism. Tony Grove, plant supervisor at National Egg, commented that he has already seen less foaming in the storage tanks since the Discflo pump was installed: "The pump is performing great," he says, since start-up of the first pump in May 1998. The second pump was installed in late 1998 in the same unfiltered egg white application.

### The Challenge

High maintenance, repair bills for existing PD pumps

Egg whites sensitive to foaming

Sanitary application

### The Discflo Solution

Discflo smooth, rotating action prevents foaming

No close tolerances in Disc pump reduces abrasive wear

Discflo manufactures full line of sanitary pumps to 3-A specs.

**DISCFLO**  
INTELLIGENT. SUSTAINABLE. SOLUTIONS

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