

Increased Efficiency for Dairy!

Fristam's Double Screw Pump, Halves Process Times, Reduces Energy Consumption & Maintenance Costs.

Application:

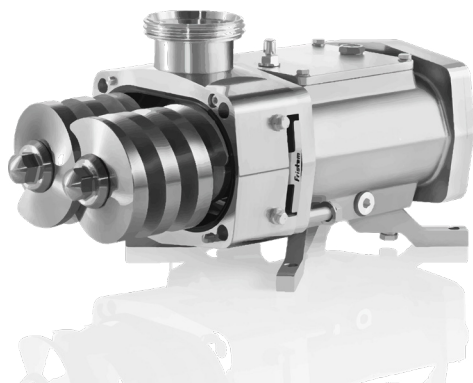
Bi-directional pumping of milk and cream, from delivery trucks to production lines. Then self cleaning with CIP.

Challenge:

A progressive cavity pumps rubber stator was shearing rubber into the product. This resulted in performance losses that increased downtime, delaying production.

Goal:

Install a reliable pump which effortlessly pumps bi-directionally and doesn't delay production.



Customer brief:

A dairy producer supplying milk for Grana Padano cheese faced major challenges with a progressive cavity pump used to transfer milk between delivery trucks, processing systems and packaging.

Frequent stator wear caused performance losses, hygiene issues, and increased downtime, impacting product quality and production efficiency. Operators had to constantly monitor the failing pump, leading to reduced focus and growing production line unpredictability.

The Solution:

Fristam supplied an FDS 3L -2 with an elongated screw design and 7.5kW motor, on a sale or return trial period. A lateral discharge configuration meant the pump could seamlessly fit into the existing layout, without installation modifications. The pump exceeded expectations pumping a variety of different duties loading & unloading milk, cream and CIP.

Immediate Results:

The FDS improved process times by up to 50% in certain areas, even when operators ran the pump at much lower speeds. This reduced both the energy consumption and noise, as well as improving the milk and creams stability.

Long Lasting Benefits:

Unlike progressive cavity pumps, the Fristam FDS has a contact-free stainless steel screw design, eliminating wear-related degradation. Freeing up the maintenance budget, and engineers to focus on other areas of production.



Discover the benefits of FDS technology by booking a 30 day Free Trial through your local Fristam Pumps representative!

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Fristam
Hygienic Pumping Experts