

Case Study: Diced Tomato

Application

Transfer diced tomatoes to canning

Specifications

Flow: 80 GPM (18.2 m³/hr)
Pressure: 75 PSI (5.2 bar)

Challenge

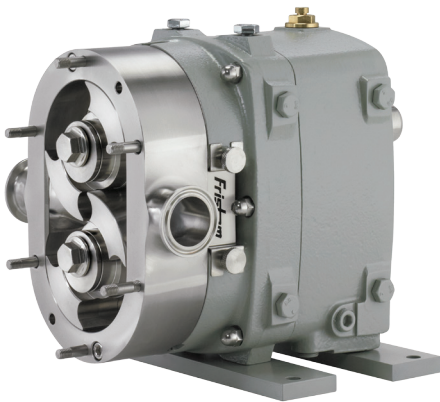
Reduce internal pumps wear and need for replacement

Issue

Abrasive product

Products with Similar Challenges

- Fruit fillings
- MDM
- Chocolate/lactose



FKL Capabilities

FKL Models: 11

Max. Discharge Pressure: 500 psi (35 bar)

Max. Flow Rate: 900 gpm (200 m³/hr)

Max. Viscosity: 1,000,000 cps



FKL Saves \$35K/Pump in Yearly Rebuilds

A large tomato processor, using another brand of positive displacement (PD) pumps, was having difficulty getting the pumps to last the entire 120-day processing season, without wearing out. Even with spare pumps at the ready, any downtime is lost time and money. The pump wear came from the abrasive seeds in the diced tomatoes.

Solution

The processor replaced their old PD pumps with a larger capacity Fristam FKL 580 (1.82 gpm) running at 150 RPM. The pump has lasted 6 seasons with minimal maintenance.

Why It Worked

By installing an FKL 580, the flow could be slowed. At a slower speed, the processor was able to gently pump the diced tomato.

The FKL also features tight clearances and high efficiency. Together, these factors allowed the FKL to last the entire season with no pump wear during processing. To read the complete story, visit: www.fristam.com/fkl-apps

Call Fristam to discuss your application today: 800-841-5001.



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