

Customer case



Alfa Laval Performance Audit uncovers major savings

A Performance Audit from Alfa Laval ensures reliable and highly-efficient operation from your decanter over time, minimizing the total cost of ownership.

After a recent audit, one customer decided to upgrade their back drive based on Alfa Laval's recommendations for improving decanter performance. The new back drive produces less heat and noise than their previous ECB (Eddy Current Brake), as well as offering higher and more stable torque for increased cake dryness. The back drive uses a motor instead of a brake, which requires less maintenance and decreases energy consumption.

Alfa Laval's expert also found new ways for the customer to reduce polymer consumption. The total savings that the customer gained by optimizing decanter operation repaid the cost of the performance audit after just one year.

Results

- Investment in Alfa Laval Equipment Upgrade Decanter Back drive
- Cake dryness increased
- Polymer and energy savings
- Heat and noise reduction
- Payback time one year



Annual operational savings

Item	Savings	How
Cake dryness	\$35,000 £27,000	Higher and more stable torque
Energy consumption	\$1,000 £750	Motor instead of brake
Maintenance	\$2,000 £1,500	Less maintenance with motor
Polymer consumption	\$25,000 £20,000	Optimized polymer dosing
Total annual savings	\$63,000 £49,250	

Why Alfa Laval Performance Audit

Ensure production reliability

- Minimize frequency of failures
- Optimize uptime

Minimize costs

- Reduce energy consumption
- Avoid unnecessary routine maintenance expenses

Delay investments

- Increase machine lifetime
- Improve management of spare parts inventory

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