



Summary



Industry:	Food and Drink
Application:	Energy Savings
Actual Saving:	£6,938
Payback Period:	6 weeks



Cap Hopper System Improvement

ERIKS save energy for dairy customer

ISSUE

A major dairy customer invited ERIKS to offer a solution to a problem on a cap hopper system. Due to issues with the system, a supplementary network of open pipes was being used to blow bottle caps around a channel into the main bottle capping machine.

There was no existing control on this system, it was blowing 24/7 even though production was only required for half of this. There were open pipes used for blowing which meant that not only was the system completely inefficient but it was also generating a significant amount of noise.

Finally the use of open pipes blowing at full system pressure presented a risk of pressure embolism and contravened health and safety regulations.

SOLUTION

ERIKS surveyed the system and connected a Festo in line flow meter to accurately measure the cost of the existing system before offering a complete turnkey solution involving supply and installation.

The new installation involves using a solenoid valve to ensure that the system is only functioning when needed and appropriate nozzles to provide a more efficient force for delivering caps when needed.

These modifications, installed by an ERIKS engineer, would also comply with health and safety requirements and our customer would benefit from significant noise reduction.

OTHER BENEFITS

- Energy savings
- Noise reduction
- Improved efficiency
- Health and safety upgrade

FURTHER COMMENTS...

Customer achieved savings of nearly £7K for a modest initial outlay with more or less immediate pay back.

MORE INFORMATION

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