



Summary



Industry:	Food - Bakery & Cereals
Application:	Jabsco Hy-Line Pump/Cereal Coating
Actual Saving:	£226,452
Payback Period:	less than 12 months



Jabsco Hy-Line Rotary Pumps Save £226,462

Reducing heat and water consumption

ISSUE

The use of rotary lobe pumps on site is to transport viscous liquids, such as syrups, to the cereal coating areas. Many of these rotary lobe pumps require mechanical seals that are flushed with hot water to prevent crystallisation and hardening of the product on seal faces. Should this happen, it can cause catastrophic damage and therefore unscheduled interruption to the production process.

The current model of pump was obsolete and only manufactured on a special basis with extended lead times. There are also many variations of the same type of pump held in stock increasing the stores inventory value. In addition to this we have successfully trialled the innovative use of automatic 'Simalube' food grade lubricators to the faces of the mechanical seals to eliminate the use of a conventional water flush system.

SOLUTION

The solution was to replace these units with Jabsco Hy-Line Rotary Lobe pumps. These are readily available on a much shorter lead time, with improved performance and designed for easier maintenance and repairs. In addition to this we have successfully trialled the innovative use of automatic 'Simalube' food grade lubricators to the faces of the mechanical seals to eliminate the use of a conventional water flush system.

These innovations solve an issue of obsolescence, while providing reduced stock holding, rationalisation and standardisation of spares, along with energy savings on water consumption, and heat. Pumps are now being systematically changed in the plant for the Jabsco Hy-Line model complete with the new mechanical seal support solution.

OTHER BENEFITS

- Food grade oil meniscus on mechanical seal, no water flush
- No hot clean water required to flush seal
- No flushed water to drain
- Reduced risk of slips trips and falls
- Eliminated food safety risk of standing water

FURTHER COMMENTS...

ERIKS are now assembling these units in-house and can offer complete customisation packages.

MORE INFORMATION

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