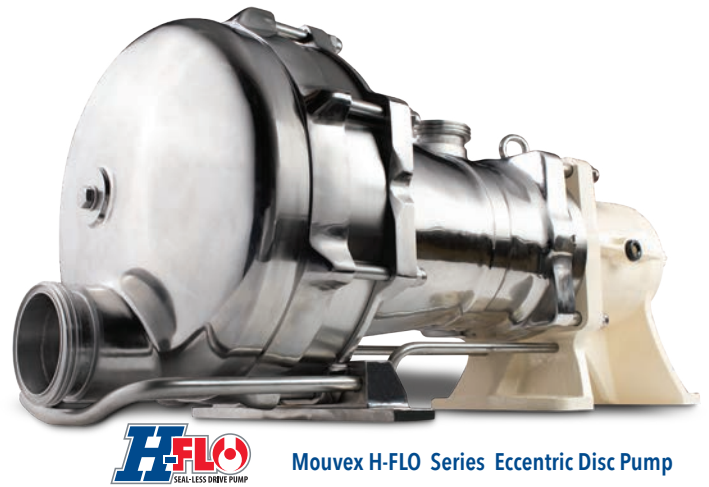


- Product recovery with eccentric disc pumps is seamless as no line interruptions will occur between normal production and the product-recovery phase
- For the majority of the product-recovery process, air mixing is not a concern as most of the product recovered by an eccentric disc pump comes in the form of a product plug with no air mixed in. A simple flow switch can be used to shut down the pump before the air purge reaches the product's destination.

Conclusion

Reducing the operating costs in a manufacturing facility will be a front-of-mind concern for plant managers for the foreseeable future. Initially, cutting energy costs was a popular way to attack the problem, but the overall value of that approach to the manufacturer's bottom line may have already been maximized. Operators of food and beverage, pharmaceutical and cosmetic manufacturing facilities that rely on hygienic systems would be wise to not only develop ways to optimize energy costs, but to also determine how much cost savings can be realized in targeted product recovery. As illustrated, per-pump product-recovery cost savings can be as much as 32 times greater than the yearly cost of the energy needed to run the pump. In a large production operation, that can result in millions of dollars of savings per year.

The fulcrum in optimizing product recovery is the pump that is used to transfer raw materials or finished products through the suction and discharge lines. While lobe and ECP pumps have been popular choices for this task in the past, they feature a number of operational inefficiencies that mean optimized product recovery will never be realized. The solution is Mouvex Eccentric Disc Pump technology, which, by nature of its method of operation, offers the line-clearing and –stripping capabilities that other pump technologies can't accomplish. To help show how much product-recovery savings can be realized by switching to eccentric disc pumps, Mouvex has developed



Mouvex H-FLO Series Eccentric Disc Pump

a worksheet that calculates product-recovery savings when specific operating characteristics are presented.

To obtain a product-recovery worksheet call +1 909-512-1224 (Americas) and +33 0 386 49 8630 (EMEA and Asia).

About the Author:

Paul Cardon is Business Development Manager PSG Auxerre - FRANCE. He can be reached at (+33 6 88 70 22 90) or paul.cardon@psgdover.com. Mouvex is a product brand of PSG®, a Dover company, Oakbrook Terrace, IL, USA. PSG is comprised of leading pump brands, including Abaque™, All-Flo, Almatec®, Blackmer®, Ebsray®, em-tec, EnviroGear®, Griswold®, Hydro Systems, Mouvex®, Neptune™, Quattroflow™, RedScrew™ and Wilden®. You can find more information on PSG at psgdover.com. Headquartered in Auxerre, France, Mouvex® is a leading manufacturer of positive displacement pumps and compressors for the transfer of liquids in hygienic-manufacturing applications worldwide. For more information on Mouvex, please visit mouvex.com.

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