Wine Market

PRODUCT BROCHURE

PSG a DOVER company

MOUVEX

Where Innovation Flows

Mouvex® Eccentric Disc Pump Technologies

The Solution for Your Winemaking Process

Mouvex® features a variety of leading pump technologies that include eccentric disc and rotary vane pumps to meet virtually any application challenge throughout the wine making process.

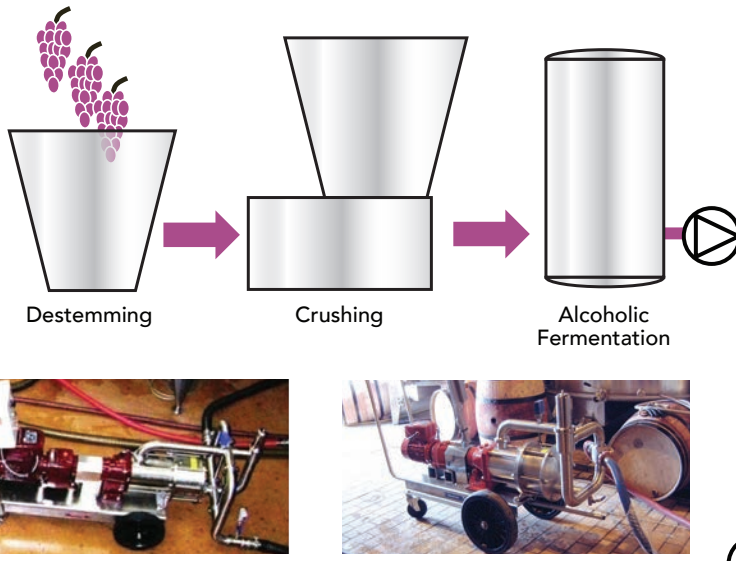
Wine Production Challenges:

Wine producers face the following challenges in their day-to-day operations:

- Preservation of final product quality
- Avoiding wine oxidation
- Cost control
- Minimizing product loss and recovering ingredients

Pumps used throughout each phase of the winemaking process must have the following attributes to meet those challenges:

- Gentle product handing
- Volumetric consistency
- Able to recover expensive products and ingredients
- Low slippage



Mouvex® Eccentric Disc Pumps

The Solution for the Challenges of Wine Production

- Innovative eccentric disc technology provides low shear and eliminates the need for a mechanical seal and bushings
- Consistent performance (flow, pressure and volumetric efficiency) thanks to low slippage
- Maximizes product recovery (ability to fully strip lines), eliminating waste and increasing profits
- Non-pulsating, smooth flow
- Self-priming to take ingredients from drums
- Easy to maintain: no seals, no metal/elastomer friction, only two pumping parts
- High volumetric efficiency allowing accurate formulation
- Unique seal-less design eliminates leakage

SLS Series

CIP-capable seal-less pump for various applications.
Up to 36 m^3/hr (158 gpm)

Micro C Series

Seal-less pump for low flow rates temperature and pressure.
Up to 800 l/hr (3.5 gpm)

H-FLO Series

CIP-capable seal-less pump for various applications.
Up to 65 m^3/h (286.2 gpm)

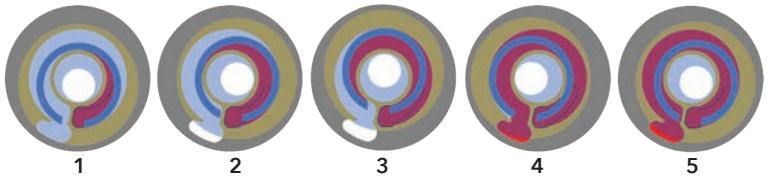
Available options include

- Specific connections (Macon)
- Mobile trolley (Cart mounted)
- Control panel
- Remote control
- Customized color
- Four-way valve for reversing flow
- By-pass valve

Mouvex Technology

Eccentric disc pumps consist of a cylinder and pumping element mounted on an eccentric shaft. As the eccentric shaft is rotated, the pumping element forms chambers within the cylinder, which increase in size at the intake port, drawing fluid into the pumping chamber. The fluid is transported to the discharge port where the pumping chamber size is decreased. This action squeezes the fluid out into the discharge piping.

Mouvex Principle



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