

# Beer Market

PRODUCT BROCHURE



Where Innovation Flows

SMOOTH.  
CLEAN.  
SAFE.

## Mouvex® Eccentric Disc Pump Technologies | The Sustainable Brewing Solution for Your Beer Process

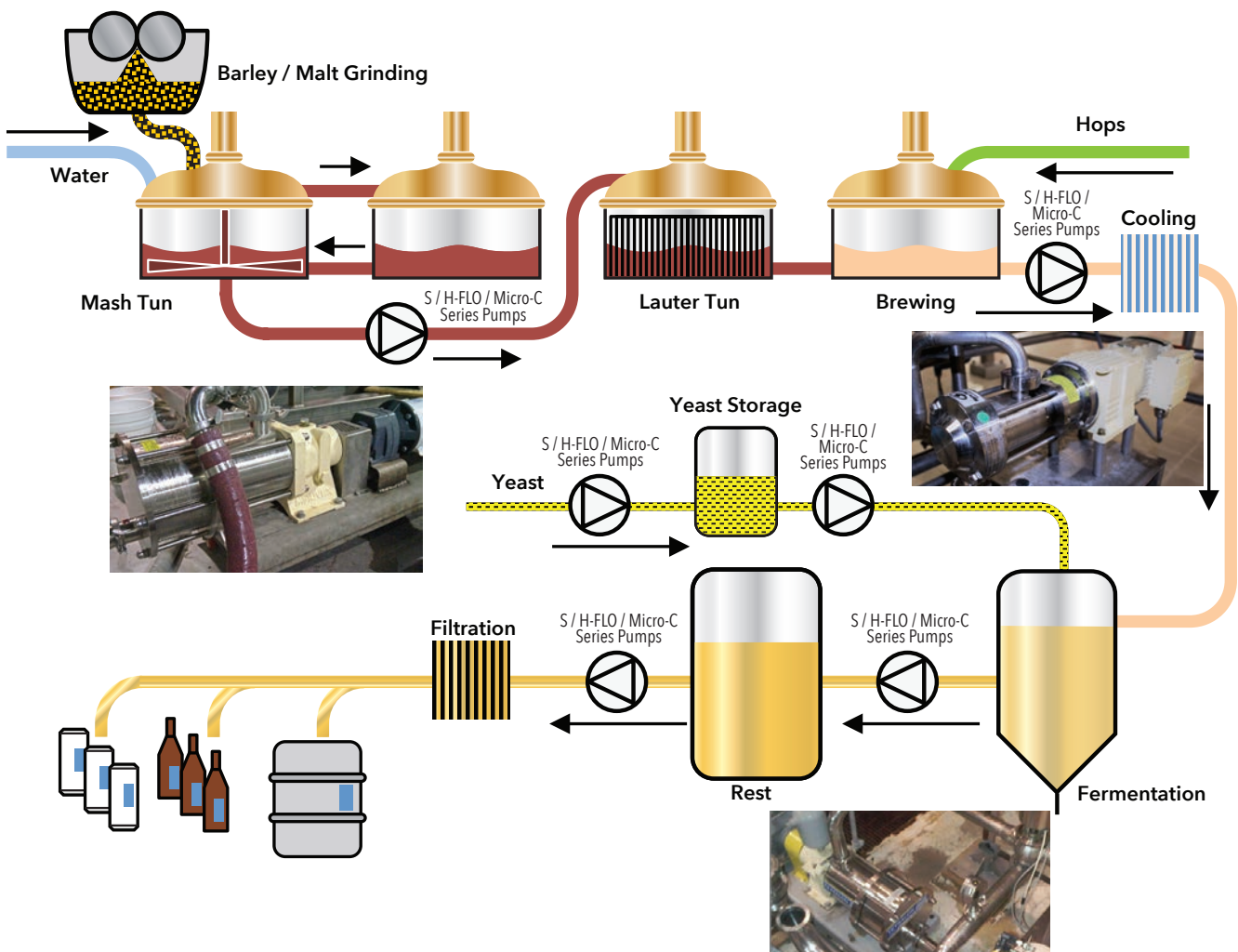
Mouvex® features a variety of leading pump technologies that include eccentric disc and rotary vane pumps to meet virtually any application challenge throughout the beer manufacturing process.

### Beer Manufacturing Challenges:

- Preservation of final product quality
- Maintain continuous and high product quality
- Handling shear sensitive ingredients such as yeast
- Cost control
- Minimizing product loss and recovering ingredients
- Ensure sustainable production process

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

- Gentle product handling
- Volumetric consistency
- Able to recover expensive products and ingredients
- Ability to perfectly clean pipelines and tubing
- Energy and water savings in order to preserve the environment





# Mouvex® Eccentric Disc Pumps |

## The Solution for the Challenges of Beer Production

- Low shear due to eccentric disc technology and no mechanical seals or bushings
- Consistent performance (flow, pressure and volumetric efficiency) thanks to self-adjustable mechanism
- Dry running, strong vacuum and air compression effect allowing for product recovery
- Non-pulsating, smooth flow, almost no slip
- 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 and in-line blending
- Clean-in-Place (CIP) capable for the ultimate in convenience, cleanliness, accurate formulation and in-line blending
- Unique seal-less design eliminates leakage



### S Series

The seal-less pump with quick dismantling for daily hand cleaning

| TEMPERATURE    | FLOW RATE                        | PRESSURE TRANSFER          |
|----------------|----------------------------------|----------------------------|
| 80° C (176° F) | 12 m <sup>3</sup> /hr (52.8 gpm) | From 6-10 bar (87-145 psi) |



### Micro C Series

The seal-less pump for small flow rates temperature and pressure

| TEMPERATURE     | FLOW RATE           | PRESSURE TRANSFER          |
|-----------------|---------------------|----------------------------|
| 100° C (212° F) | 800 l/hr (3.52 gpm) | From 3-15 bar (43-217 psi) |



### H-FLO & SLS Series

The CIP capable seal-less pump for various applications

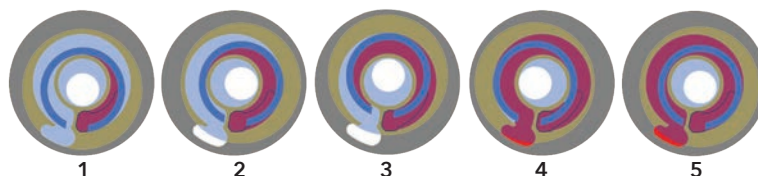
| TEMPERATURE      | FLOW RATE                        | PRESSURE TRANSFER |
|------------------|----------------------------------|-------------------|
| 100° C (212° F)* | 65 m <sup>3</sup> /h (286.2 gpm) | 10 bar (145 psi)  |

\*160° C with version HT

## 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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