



Expert  
Solutions  
in Seal-less  
Hygienic Transfer

PET FOOD MARKET  
Eccentric Disc Pumps



Where Innovation Flows

ECCENTRIC DISC PUMPS



[mouvex.com](http://mouvex.com)

# Smooth. Clean. Safe.

## Mouvex Eccentric Disc Technology is the Solution for Your Dry Pet Food Production Process

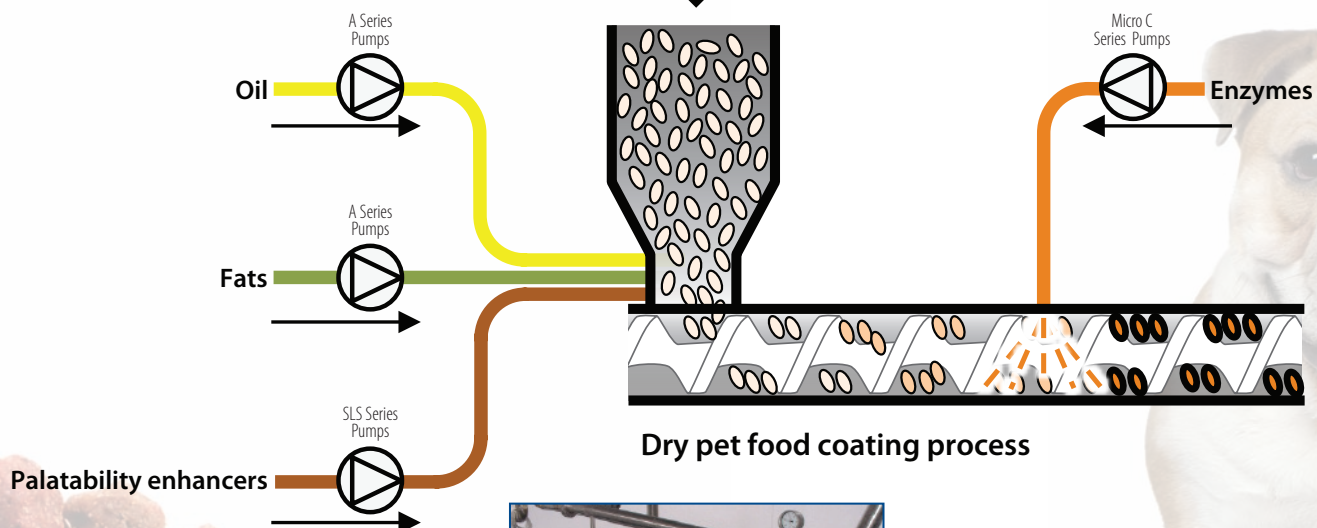
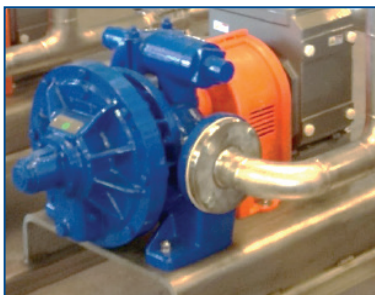
### Pet Food Manufacturing Challenges:

Dry pet food manufacturers face the following challenges in their day-to-day operations:

- Injecting precise quantities of products in the manufacturing process
- Minimizing loss of expensive products (enhancers)
- Cost control

Pumps used throughout each phase of all kinds of dry pet food product production processes must have the following attributes to meet those challenges:

- Volumetric consistency
- Able to recover expensive products and ingredients
- Gentle product handling
- Perfect cleanability



# Mouvex Eccentric Disc Pumps:

## The Solution for the Challenges of Dry Pet Food Production

- Consistent performance (flow, pressure and volumetric efficiency) thanks to low slippage.
- High volumetric efficiency allowing accurate formulation
- Product recovery (pipeline stripping), means profit recovery
- Non-pulsating, smooth flow
- Low shear due to eccentric disc technology and lack of mechanical seal and bushings
- Self-priming to take ingredients from drums
- Easy to maintain: no seals, no metal/elastomer friction, only two pumping parts
- Clean-in-Place (CIP) capable for the ultimate in convenience and cleanliness
- Unique seal-less design eliminates leakage



### Micro C Series

The seal-less pump for small flow rates. Up to 800 l/hr (3.5 gpm)



### A Series

The robust and reliable pump for oil transfer. Up to 55 m<sup>3</sup>/hr (242 gpm)



### SLS Series

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



### S Series

The seal-less pump with quick dismantling for daily hand cleaning. Up to 12 m<sup>3</sup>/hr (52 gpm)



## 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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