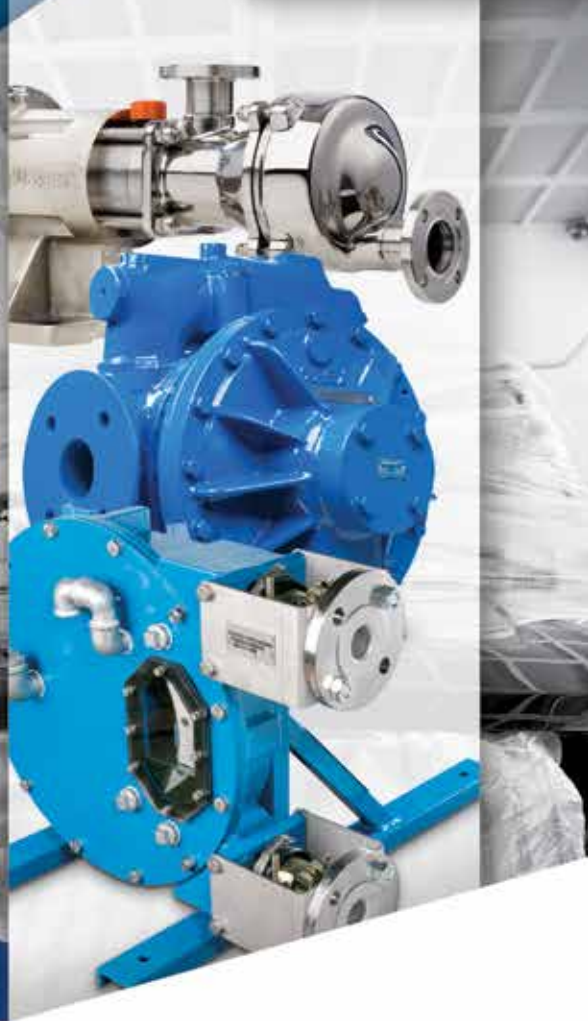




Paint & Coatings

Flow Solutions

PAINT & COATINGS
Product Brochure



Where Innovation Flows

www.mouvex.com

ECCENTRIC DISC PUMPS
ABAQUE PERISTALTIC HOSE PUMPS
ROTARY VANE PUMPS

Paint & Coatings Overview

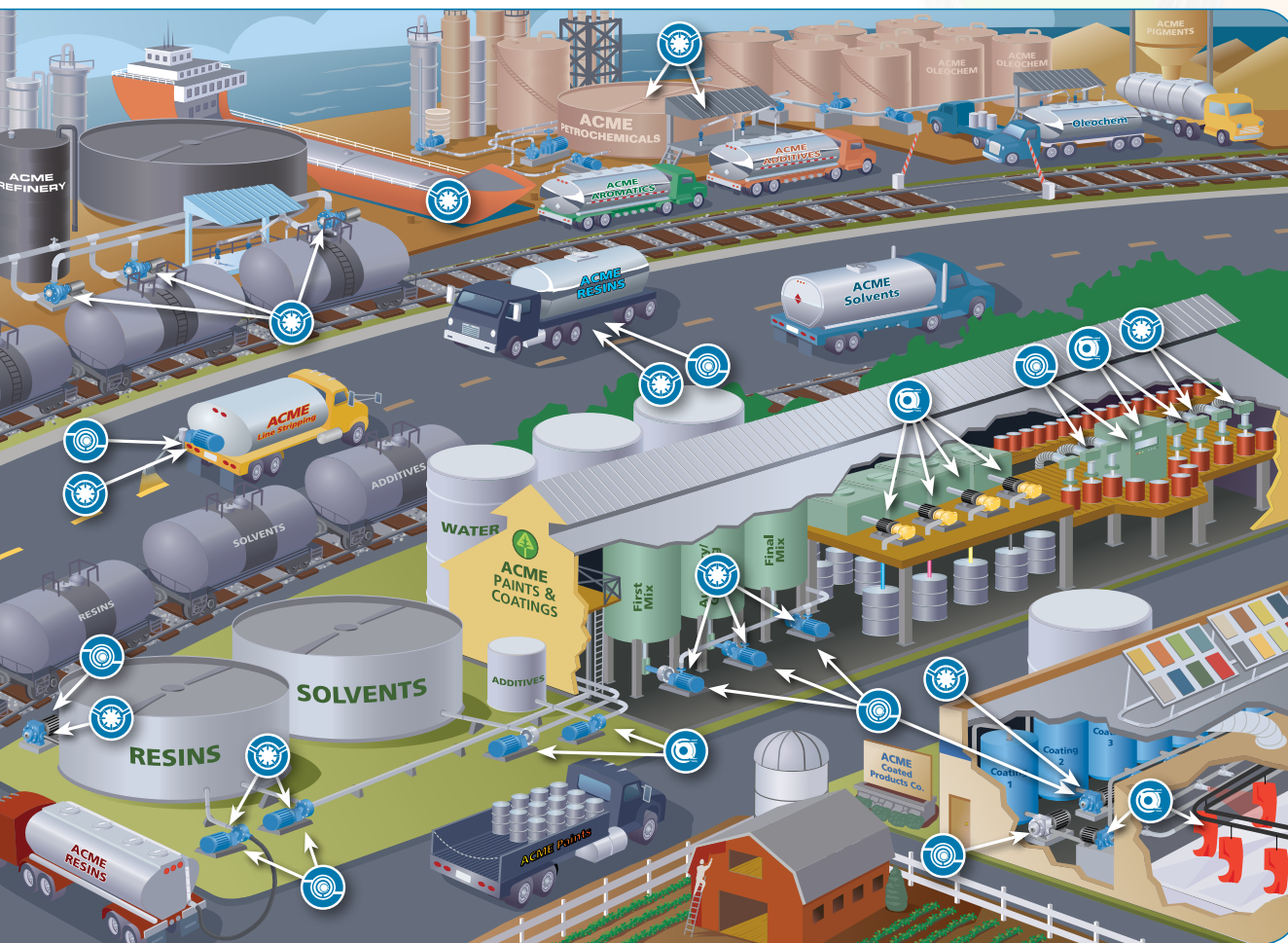
Paint & Coatings manufacturers face the following challenges in their day-to-day operations:

- Limiting emissions from ozone-forming volatile organic compounds (VOCs)
- Cost control
- Minimization of product loss
- Energy control and savings
- Optimization of equipment uptime

Pumps that are used throughout each phase of the water- and solvent-borne paint-making process must have the following attributes to meet those day-to-day challenges:

- Reliability
- Energy efficiency
- Sealing integrity
- Volumetric consistency

Mouvex® features a variety of leading pump technologies that include eccentric disc, rotary vane, and peristaltic to meet virtually any application challenge throughout the Paint & Coatings production process.



Paint & Coatings Supply Chain



Mouvex
Eccentric
Disc Pumps



Abaque
Peristaltic
Hose Pumps



Mouvex
Rotary Vane
Pumps

Why Mouvex® Pumps for Paint & Coatings Producers?

- Consistent performance (flow, pressure and volumetric efficiency) due to unique wear compensation system
- Product recovery (pipeline stripping)
- Non-pulsating, smooth flow
- Self-priming
- Easy to maintain
- High volumetric efficiency
- No bushings in contact with the liquid (no polymerization risk)
- Low shear
- No temperature intake
- Ability to run dry, even in hazardous areas
- Maintenance simplicity
- ATEX certified
- Clean-in-Place (CIP) capable
- Unique seal-less principle, no magnets involved

Micro C Series Eccentric Disc Pumps

SLC Series Eccentric Disc Pumps

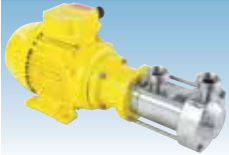
Abaque® Peristaltic Hose Pumps

CC20 Eccentric Disc Truck Pump

P Series Rotary Vane Pump

A Series Eccentric Disc Pump

SEAL-LESS TECHNOLOGY



Designed for continuous transfer and low-flow monitoring. Virtually unaffected by fluctuations in pressure and viscosity. Provides consistent dosing in inks, dyes, and polymers manufacturing.



Pulse-free, slip-free and low-shear flow even with varying viscosity and backpressure conditions. Wear compensation ensures consistent flow rates during operation. Can be used throughout water-borne paint-transfer process.



Moves everything from viscous, highly abrasive solutions to water without risk of damage to the pump. Ideal for byproduct and waste transfer or where the potential accidental transfer of solid particles or heavy abrasives may be possible, including product transfer to auxiliary tanks and grinding/dispersion tanks.



Cast iron construction with built-in relief valves protect the pump from overpressure situations. Developed as a vehicle-mounted solution for loading and unloading trucks and transports; can also be used as a ground-based pumping unit.



Safely transfers non-lubricating, abrasive and corrosive products commonly found in Paint & Coatings applications.



Runs in reverse, enabling the pumping back of various products. Can transfer viscous, non-lubricating volatile or delicate fluids.



Mouvex C Series pump in paint filtration and conditioning.

Mouvex pumps give Paint & Coatings manufacturers the peace of mind to focus on their process, not their reliability and safety.



Abaque Peristaltic Hose Pump transfers Zirconium beads.

Customer Applications Challenges

Customer A

Problem: A company manufacturing paints for buildings and do-it-yourself markets needed a pump to transfer different types of water-based paints for filtration and conditioning (200 liter drums and 1,000 liter containers). The lobe pump that was previously used was required to run 8 hours per day, 5 days per week, and had frequently leaking mechanical seals due to the abrasive liquid drying on the mechanical seal during stops.

Solution: The company replaced the failing lobe pump with a Mouvex C Series stainless steel eccentric disc pump. With the absence of a mechanical seal, all risk of leakage disappeared. The pump's constant and non-pulsating flow rate ensured optimal filtration of the various paints.

Customer B

Problem: A plant producing rolls of painted metal sheet for refrigerators, washing machines and cooker manufacturers needed a pump that could be used to apply paint in a continuous process. The gear pumps originally installed had fast mechanical seals leakages due to fast-drying paint.

Solution: The Mouvex C Series stainless steel eccentric disc pump, which replaced the gear pump, has required virtually no maintenance since installation. The cyclic volume stays constant whatever viscosity, pressure or pump wear.

Customer C

Problem: The automotive paint (OEM) manufacturer was transferring KTL paste from bead mill to auxiliary tank, running 16 hours per day, 7 days per week. In addition to transferring a very abrasive media, the pump needed to admit worn zirconium beads coming from the mill without any risk of damage or breakdown.

Solution: The manufacturer selected the Abaque peristaltic hose pump to meet its needs. Even during accidental passage of a large quantity of beads (maximum size of 1 mm) coming from the mill, the peristaltic hose pump did not have any problems, as it can pass up to 6 mm solid particles in suspension. Wear of the hose is independent of liquid abrasiveness, and replacement of the hose can be performed easily and quickly.



ZI la Plaine de Isles • 2 rue des Caillottes, F-89000 Auxerre, France
O: +33 (0) 3 86 49 86 30 F: +33 (0) 3 86 46 42 10
www.mouvex.com



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