

Application

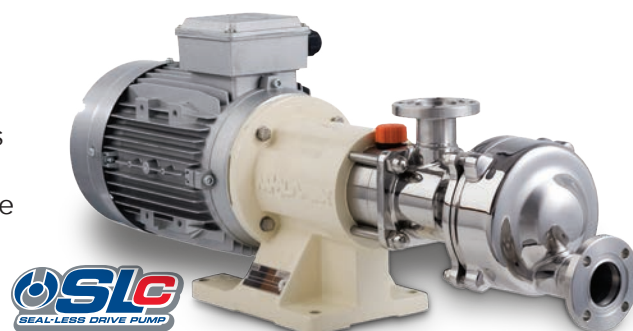
REF 101-2010
SLC Series – INDUSTRY

Factory manufactures inks and varnishes specially dedicated to printing, packaging and publications. Pump is feeding, with ink, a bead mill (feeding itself a tri-cylinder mill).

Liquid: Printing ink	Abrasive: Yes
Base: Solvent + Varnish	Particles (mm): Up to 0.8 mm
Q (m³/h): 0.3	ATEX: Yes
Temperature (°C): 20	Fragile: No
Viscosity (cPs): 20,000 maximum	Self priming: Mandatory
P (bar) : 4	Dry running : Yes
Density: 1	Emptying pipes: Yes

Issues

- The pumps installed before were not satisfactory. Gear pumps had difficulties to prime the very viscous ink (20,000 cPs not agitated) from the mobile inlet tank, especially at the beginning and at the end of the batch. Progressive cavity pumps needed expensive maintenance (frequent replacements of stators, because of frequent dry-running).



Mouvex® Solution SLC2 Eccentric Disc Pumps

Technology: Mouvex eccentric disc
Construction: Stainless steel
Mechanical seal: Seal-less
Static seals: PTFE coated FKM
Heating jacket: No
ATEX: Z1 T4
Speed: Low 60 rpm



A SLC2 pumping unit was installed at the end of December 2009, ATEX, with frequency variation for the transfer and dosing of a mixture of solvents. It transfers to varnish in a reactor to produce different resins. It delights their users. Even at a low speed, the high suction capability of the pump allows to perfectly prime and drain the mobile tank and the pipes. Pump can run dry without any problem. Pump feeds the mill with constant flow rate, not depending on ink viscosity or wear. Grinded ink quality is always constant.

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