

PRINTING INK



APPLICATION

<ul style="list-style-type: none"> • Liquid • Base • Q (m3/h) • Temperature (°C) • Viscosity (cPs) • P (bar) : 	<p>Offset Ink Solvent 0,3 20 maximum 20 000 maximum 4</p>	<ul style="list-style-type: none"> • Abrasive • Particles (mm) • ATEX • Fragile • Self- priming • Specific Gravity 	<p>Yes Up to 0,8 Z1T4 No Necessary 1</p>
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Factory manufactures inks and varnishes specially dedicated to bank note printing. Pump is feeding, with offset ink, a bead mill (feeding itself a tri-cylinder mill). The pump is working 16 hours per day, 7 days per week.

ISSUES

The pumps installed before did not give satisfaction. 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 an expensive maintenance (frequent replacements of stators, because of regular dry-running).

MOUVEX SOLUTION

C4i	Mouvex Eccentric disc
Technology	Stainless steel
Construction	Seal less
Tightness	PTFE coated FKM
Static seals	No
Jacket	Z1 T4
ATEX	
Speed	Low 60 rpm



Since the 4 C4i were installed in 2000, the operators have been delighted. 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.

Ink grinding quality is always constant.