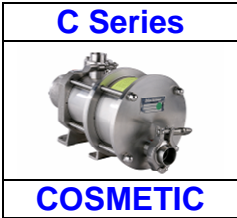


TOOTH PAST



APPLICATION

<ul style="list-style-type: none"> • Liquid • P (bar) : • Q (m3/h) • Temperature (°C) • Viscosity (cPs) • Viscosity (cSt) 	Tooth past 4 2 20 120 000 maximum 10 000 @ 100 s-1	<ul style="list-style-type: none"> • Abrasive • Particles (mm) • ATEX • Fragile • Self priming • Dry running 	Yes No No No Necessary Necessary
---	---	--	---

Plant is conditioning and packing cosmetics, sun oils, and tooth paste. Pump sets are installed on mobile bases and moved from tank to tank.

ISSUES

The same pump is used to pump several different products. Between every batch, the pump should be deeply cleaned with CIP. Cleaning must be perfect. As products viscosity is very high, for every batch the pump should prime and run dry during priming time. The mobile pump set should be very compact.

MOUVEX SOLUTION

C12I Technology Construction Mechanical seal Static seals Certificates Bellows burst detection Drive Speed	Mouvex Eccentric disc Stainless steel Seal-less L FDA FKM EHEDG Double bellows Belt driven Low 100 rpm
---	---



At the beginning of a batch, the pump runs dry and primes fast. Dry vacuum: - 0.35bar.

At the end, the pump empties pipes... compressor pressure 1.3 bar. No product losses.

The CIP is performed during 20mn at 30m3/h with water at 89°C.

The 2 sets C12I have run perfectly since 2006 without maintenance.

6 other identical sets have been delivered in 2007.