

GLUCOSE



APPLICATION

<ul style="list-style-type: none"> • Liquid • Base • Q (m3/h) • Temperature (°C) • Viscosité (cPs) • P (bar) : 	<p>Glucose</p> <p>0 to 68</p> <p>40</p> <p>250 maximum</p> <p>5</p>	<ul style="list-style-type: none"> • Abrasive • Particles (mm) • ATEX • Fragile • Self priming • Specific gravity 	<p>Yes</p> <p>No</p> <p>No</p> <p>1,5</p>
--	---	---	---

The plant produces drink syrup.

The pumps are used to transfer glucose from the stock tank to the production process, and to circulate it to prevent crystallization.

The flow rate varies electronically, according to needs, from 0 to 68m3/h.

The pumps are working 24h/24 7days/7.

ISSUES

Glucose is very abrasive. Progressive cavity pumps originally installed have very fast wear. Their maintenance is very expensive, with a lot of production stopping.

MOUVEX SOLUTION

<p>C36I</p> <p>Technology</p> <p>Construction</p> <p>Dynamic tightness</p> <p>Static Seal</p> <p>Jacket</p> <p>Speed</p>	<p>Mouvex Eccentric disc</p> <p>Stainless steel</p> <p>Seal Less</p> <p>FKM</p> <p>No</p> <p>(Thermal ribbon 40°C)</p> <p>Fast 500rpm</p>
--	--



The 2 pumps are installed in parallel. Flow rate varies electronically, according to the needs, from 0 to 68m3/h, each C36I pumping at 34m3/h.

The 2 C36I have been working perfectly since 2004 without maintenance. Return on investment : 4 years.