

METERING

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	Metering biocide chemical
Media:	• Chlorine biocide
Model No.:	M03
Flow Rate:	Up to 3 gpm (11 l/min)
Pressure:	Up to 1000 psi (69 bar)
Hydra-Cell Advantages:	• Smooth flow • Accurate metering • Rugged, compact build • Reliable operation



Chlorine Metering of Biocide into Paper Mill Water Supply

Metering pumps supplied with a biocide chemical have not always performed well when exposed to the demanding environment and duty cycles experienced in the pulp and paper industry.

Management at a mill for a manufacturer of fine papers was not content with the pump supplied to meter chlorine biocide in the white water loop - an essential operation to prevent the formation of slime-forming bacteria in the pulp.

The mill looked for a ruggedly-built alternative to the original pump, whose thermoplastic housing and single-acting solenoid driven diaphragm (delivering a significant pulse) were judged inadequate.

The mill replaced its original pump with a Hydra-Cell M03. With a multiple-diaphragm design it delivers a flow which is virtually pulse free, and the simple, rugged construction has enabled it to perform in this location over a long period with no reliability issues.

Characteristics of Fluid Pumped:

☐ Contains Abrasives ☐ Corrosive ☐ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☒ Non-lubricating ☐ High-viscosity (>500 cPs)