

Application story



Chlorine Metering in Paper Mills (2)

Location	USA	Hydra-Cell model	M03XAPGCCTP
Type of application	Metering Biocide Chemical	Flow rate	Up to 11 l/min (3 gpm)
Liquid	Chlorine Biocide	Pressure	Up to 69 bar (1000 psi)
Application details	Metering pumps supplied with the chemical have not always performed well when exposed to the demanding environment and duty cycles experienced in the paper industry. Management at a mill in Oregon, USA, manufacturing 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. It delivers a flow which is virtually pulse free, while its, simple, rugged build has enabled it to perform in this location over a long period with no reliability issues.		
Advantages of Hydra-Cell pump on this application	Smooth flow, accurate metering. Rugged, compact build. Reliable operation.		

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