

Application story


WANNER[™]
HYDRA-CELL[®] PRO
SEAL-LESS PUMP TECHNOLOGIES



Sodium Silicate in the Paper Pulping Process

Location	USA	Hydra-Cell model	G03XKBTHFECA
Type of application	Sodium Silicate in the Paper Pulping Process	Flow rate	Up to 11.3 l/min (3 gpm)
Liquid	Sodium Silicate	Pressure	Up to 103 bar (1000 psi)
Application details	Sodium silicate serves several purposes in a pulping process. It is used to help break down wood-containing pulps and with the removal of ink from recycled paper. It also acts as a brightener. In a system built for a pulp mill in the US, a specialist pump supplier incorporated two Hydra-Cell G03 pumps, with valves, motors and controls in a compact skid. The pumps were chosen for their ability to handle an abrasive slurry and for ease of service. Low entry and maintenance costs were also important.		
Advantages of Hydra-Cell pump on this application	Seal-less design, enabling reliable handling of abrasive slurries. Compact build. Low Life-Cycle Costs.		

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