

Application story


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



Abrasive Retention Aids in Papermaking

Location	Finland	Hydra-Cell model	G03XKBTHFECA
Type of application	Spraying Retention Aid - Paper Industry	Flow rate	10 l/min (2.6 gpm)
Liquid	Polyacrylamide	Pressure	2 bar (29 psi)
Application details	Retention aids are increasingly used in papermaking to increase the effective size of fine particles and improve the web. A paper mill in Finland was using screw pumps to apply the retention aid, but the abrasive character of the liquid caused the pumps to wear and their seals to leak. The mill's solution was to install Hydra-Cell G03 pump in place of the screw pumps. The G03s have now been in service for three years without any problems.		
Advantages of Hydra-Cell pump on this application	Ability to handle abrasive liquids reliably due to the seal-less design.		

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