

Application story



Dosing Celite into Slurry Pump Line

Location	Belgium	Hydra-Cell model	G10EDSJCCEHA
Type of application	Dosing Celite into Slurry Pump Line	Flow rate	1000 l/hr (265 gph)
Liquid	Celite	Pressure	10 bar (145 psi)
Application details	A batch production process at this petrochemical company required a reliable pump to dose a 5% solution of celite into a slurry line. The pump envisaged, and originally specified, was a traditional metering pump to API 675 specification, with stroke adjustment and double diaphragm detection system. In practice, the Hydra-Cell G10 pump was preferred as a valid alternative, matching the traditional unit in reliability and flow/pressure capability, but also having major advantages. Output is varied accurately and consistently by speed control, with no need for stroke adjustment, and oil level monitoring replaces diaphragm detection. Simpler construction means the pump is much more compact and about half the cost of the traditional alternative. Also the high speed, low-volume-per-stroke delivery of the Hydra-Cell pump reduces pulsation to a significantly lower level.		
Advantages of Hydra-Cell pump on this application	Compact size. 50% saving on purchase cost. Energy and maintenance cost savings. Low pulsation.		

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