

Application story



Dosing Celite into Slurry Pump Line

Location	Belgium	Hydra-Cell model	G10EDSJCEHA
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	<p>A batch production process at this petrochemical company required a reliable pump to dose a 5% solution of celite into a slurry line.</p> <p>The pump envisaged, and originally specified, was a traditional metering pump to API 675 specification, with stroke adjustment and double diaphragm detection system.</p> <p>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.</p> <p>Output is varied accurately and consistently by speed control, with no need for stroke adjustment, and oil level monitoring replaces diaphragm detection.</p> <p>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.</p>		
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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