

CORROSIVE CHEMICALS

Info BITS



Hydra-Cell® Shows Versatility Pumping Aggressive Chemicals

A manufacturer of drilling fluids for the oil industry uses chemistry to increase the efficiency of the acids, reagents, boring additives, varnishes, enamels, and emulsifiers that it produces. The company was using single-diaphragm pumps, gear pumps, and plunger pumps to handle such a variety of corrosive liquids.

The diaphragm pumps caused severe pulsations when dosing, while leaking seals on the plunger and gear pumps were a problem. Four Hydra-Cell D10/G10 pumps with corrosion-resistant polypropylene heads were subsequently installed for dosing additives, feeding acids, and pumping reagents.

With hydraulically balanced, multiple diaphragms, Hydra-Cell provides virtually pulse-free flow. The seal-less design means that there are no mechanical or dynamic seals to leak, wear, or replace. The Hydra-Cell pumps have proved versatile, reliable, easy to maintain, and energy efficient, providing significant cost-savings.



Pump Model: G10XKPJHFEHA

Flow: 1.3 to 7.9 gpm (5 to 30 l/min)

Pressure: up to 580 psi (40 bar)

Application: Dosing, feeding, and pumping aggressive chemicals in the production of oil drilling fluids.

**Minimizes
Pulsations!**

Hydra-Cell®
Seal-less Pumps

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