

Application story



Potash for Carbon Black Production

Location	Russia	Hydra-Cell model	G03XMSGHFEMA
Type of application	Potash for Carbon Black Production	Flow rate	5 - 25 L/min (1.3 - 6.6 US gal/min)
Liquid	Potash	Pressure	40 bar (580 psi)
Application details	Hydra-Cell® Pumps Potash Solution NKTU is a large Russian producer of carbon black, a pigment and filler in plastics and an essential ingredient in the manufacture of rubber, imparting strength and durability. The company was using single plunger pumps in a potash solution dosing operation without great success. Seal wear was always a problem and the pulsating flow prevented the process being smooth and controlled. A Hydra-Cell G03, supplied by Pump Union, Hydra-Cell's distributor in Russia, solved the problems. It's virtually pulse-less, predictable flow surprised and delighted engineers as did the seal-less design that requires little maintenance. A further bonus is the reduced power requirement, when compared to the plunger pump. The Company plans to purchase a further six pumps in the near future.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Provides a virtually pulse-less and predictable flow that now ensures a consistent manufactured product. - With no dynamic seal, maintenance costs have been vastly reduced and production time increased.		

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