

Application story



Mercaptan Dosing in Rubber Manufacture

Location	Russia	Hydra-Cell model	G03XKSGHFEHB
Type of application	Mercaptan Dosing in Rubber Manufacture	Flow rate	8 - 40 L/hr (2.1 - 10.6 US gal/hr)
Liquid	Mercaptan	Pressure	8 bar (116 psi)
Application details	Hydra-Cell® reduces odours in rubber manufacturing JSC "Krasnoyarsk Synthetic Rubber Plant" (KZSK) located in Krasnoyarsk, Russia, produces a wide range of high-quality nitrile rubbers that are in great demand, both domestically and for export. KZSK is a major enterprise, producing over 42,000 tonnes of synthetic rubber every year. The Company had been using pumps with dynamic seals for dosing Mercaptan, a coupling agent, in the manufacturing process. Liquid Mercaptan is aggressive and has a rotten and unacceptable odour that seeps to atmosphere through leaking seals. The customer wished to replace pumps with leaking dynamic seals and was introduced to Hydra-Cell seal-less technology by Wanner's distributor Pump Union. Two units have been supplied and the customer is pleased with their consistent, accurate flow performance as well as the seal-less design.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Its seal-less design, allowing for this liquid to be 100% contained. - Its compact design, allowing for a simple installation.		

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