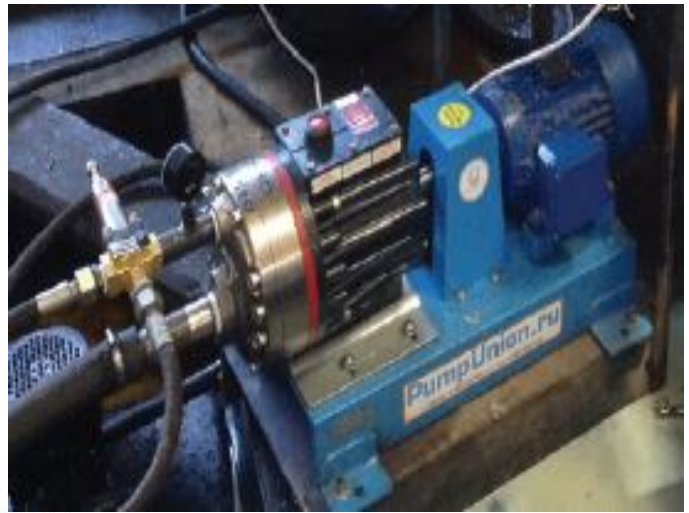


Application story



High Pressure Coolant for Nuclear & Large Component Machining

Location	Russia	Hydra-Cell model	G10XKCTHFECA
Type of application	High Pressure Coolant for Nuclear & Large Component Machining	Flow rate	10 - 30 L/min (2.6 - 7.9 US gal/min)
Liquid	Machine Tool Coolant	Pressure	20 - 40 Bar (290 - 580 psi)
Application details	Hydra-Cell® encourages high pressure coolant delivery Polesye Ltd is a Russian engineering company, based in Volgodonsk and heavily involved in the nuclear power, traditional energy as well as oil and gas and metallurgy. Mainly serving the Russian market the company has also carried out installations in China and Japan. The company approached Wanner's distributor Pump Union at an exhibition and showed interest in Hydra-Cell pump technology for high pressure cooling of stainless steel milling and grinding operations. A Hydra-Cell G10 pump was supplied for testing with great success. The customer has a limited requirement for high pressure coolant delivery so needed a pump that could be mobile and moved from machine to machine as required. The compact size of the Hydra-Cell was therefore a benefit but the greatest advantage of all was the pump's ability to handle the abrasive fines without the damage they caused to previous low pressure gear and screw pumps.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Ability to handle this particle laden liquid, with ease and without the need for additional fine filtration. - Compact size and simple installation.		

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