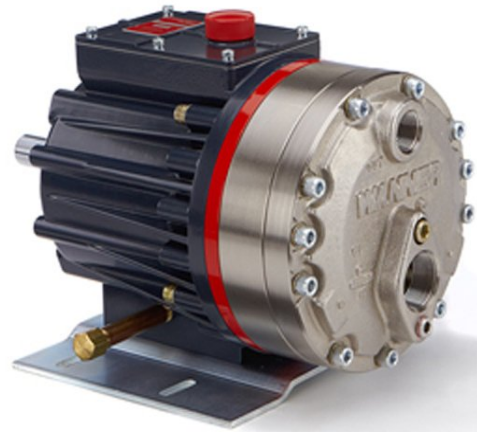


Application story



Cleaning Detergents Plant Tanks

Location	Austria	Hydra-Cell model	G25XDCJHFEHA
Type of application	Cleaning Detergents Plant Tanks	Flow rate	70 l/min (18 gpm)
Liquid	Hot Water Caustic Acids	Pressure	50 bar (725 psi)
Application details	For cleaning tanks between batches of different products, a detergent plant in Austria (part of a worldwide group manufacturing many leading 'household' brands) required a high pressure pump that was both reliable and versatile. It must be able to handle a variety of caustics and acid solutions while sustaining performance at a level that would ensure consistent cleaning. Cleaning chemical, also containing solid particles, is delivered to the tank at a pressure of 50 bar and flow rate of 70 l/min. This is followed by hot water flushing at the same flow and pressure. Liquid temperature is 60°C. Premature pump wear, which is always a potential problem for pumps reliant on mechanical seals would result in reduced flow/pressure performance. A seal-less pump was preferred. The chosen pump was the seal-less Hydra-Cell G25, with (in this case) cast iron body and PTFE diaphragms. Two G25 pumps, one on standby, were supplied.		
Advantages of Hydra-Cell pump on this application	Seal-less design. Ability to handle caustic and acid liquids containing particles.		

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