

Application story



Industrial Waste Water Treatment

Location	Hungary	Hydra-Cell model	G10XKCTHFEYA
Type of application	Industrial Waste Water Treatment	Flow rate	1500 - 2000 L/hr (396 - 528 US gal/hr)
Liquid	Water Polymer	Pressure	2 - 10 Bar (29 - 145 psi)
Application details	Hydra-Cell® in mobile wastewater processing Körte Zrt, is a key player in industrial environmental protection, particularly industrial wastewater treatment in Hungary and has the experience gained from designing and building over 100 major industrial wastewater treatment plants The Company planned two mobile water treatment facilities utilising shipping containers, each incorporating a filter press and a polyelectrolyte dosing system to initiate flocculation. After considering peristaltic and AOD pumps, the company settled on a Hydra-Cell G10 pump for the filter press feed and a progressing cavity pump for the polymer dosing application. The end user was delighted with the system and requested three further systems, only this time with Hydra-Cell pumps in the polymer dosing application as well as the filter press feed; making a total of six new pumps. The customer was delighted by Hydra-Cell's ability to run dry without damage and impressed by the virtually pulseless flow characteristics.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - It's seal-less design and the ability to run dry, indefinitely. - Ability to pump both low and higher viscosity liquids with a single pump.		

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