

Application story



Chemical Dosing and Transfer in Pharmaceutical Manufacturing (2)

Location	Hungary	Hydra-Cell model	G03XKSJHFEHA x 3 / G03XKPJCCTMA
Type of application	Chemical Dosing and Transfer in Pharmaceutical Manufacturing (2)	Flow rate	30 - 600 L/hr (8 - 160 US gal/hr)
Liquid	Ethyl Acetate Methanol Sodium Hydroxide Sulphuric Acid	Pressure	2 bar (29 psi)
Application details	Hydra-Cell® excels in pharmaceutical manufacturing Teva Pharmaceutical Industries is an Israeli, multinational pharmaceutical giant, specialising primarily in generic drugs and active pharmaceutical ingredients. The Company has over 38,000 employees worldwide and production facilities in Israel, North America, Europe and Latin America. The Company's production plant in Debrecen, Hungary was using a Prominent dosing pump but wished to remotely control it using a flow meter and Variable Frequency Drive (VFD). The application was to meter the addition of an ethyl acetate/methanol/water mix into a process line. A low pulse flow was essential for the application and the Hydra-Cell G03 pump provided by Verder Hungary exceeded the customer's expectations. The customer was so pleased with the results of the first installation that they bought a further three pumps, one for the same application, one to pump a sodium hydroxide solution and a further one, with a polypropylene liquid end to pump sulphuric acid.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - With multiple diaphragms in a single pump head, Hydra-Cell offers a virtually pulse-less flow, without the need for pulsation dampeners. - Its ability to handle different liquids in a single pump.		

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