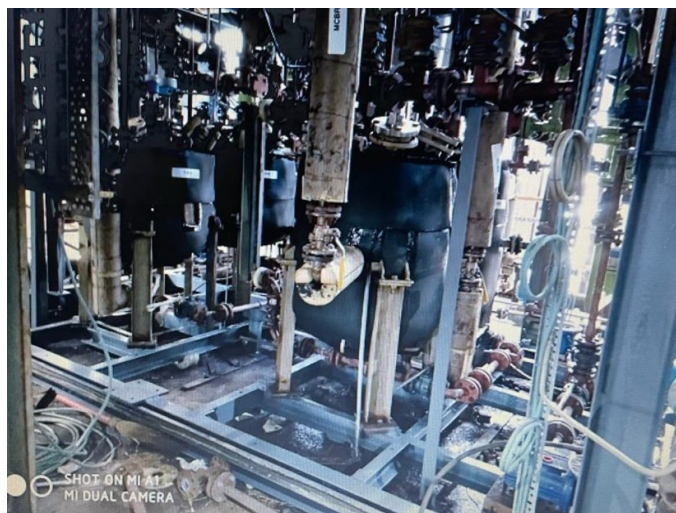


Application story



Accurate Dosing to Continuous Flow Chemistry Reactors (1)

Location	India (Installation: 2020)	Hydra-Cell model	P200MSJSSB40S & P200MTJTTB40S
Type of application	Accurate Dosing of Chlorinated Mass with Solvents to Continuous Flow Reactors	Flow rate	30 - 80 L/hr (8 - 21 GPH)
Liquid	Di Chloromethane Chlorinated Mass Ethanol	Pressure	10 bar (145 psi)
Application details	A market-leading speciality chemicals company manufactures intermediate Active Pharmaceutical Ingredient (API) which is highly hazardous and corrosive in nature. Previously they used Lewa pumps for a batch type reactor handling these liquids and maintaining the liquid at the desired temperature would require utility management and safety protocols. Now they have shifted the process to Continuous Flow Reactors. Hydra-Cell pumps are used in the pilot scale set-up which has been running successfully since January 2020 without any maintenance or safety issues. Now they are planning to scale-up the process to the commercial production using higher capacity of Hydra-Cell pumps.		
Advantages of Hydra-Cell pump on this application	• Ability to reliably pump corrosive liquids • Extremely low pulse flow • Minimal service and maintenance		

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