

Application story



Accurate Dosing to Continuous Flow Chemistry Reactors (2)

Location	Gujarat, India (Installation: Feb 2021)	Hydra-Cell model	MT08MTNJNTTGD05S
Type of application	Dosing of Slurries with Various Chemicals, Solvent & Acids to the Continuous Flow Reactors	Flow rate	4 ml/min to 500ml/min
Liquid	Chloroform Carbon Tetrachloride Ethylene Dichloride (EDC) Ortho Dichlorobenzene Para Dichlorobenzene	Pressure	15 bar
Application details	Jay Chemicals is a manufacturer of specialty chemicals for industries such as: Agrochemicals, Active Pharmaceutical Industries (API) and Diagnostic Chemicals. The company was using a Lewa pump previously, but now a Hydra-Cell pump has been installed to dose slurries with various chemicals to the continuous flow reactor with solid concentration ranging from (10- 30%) at a flow rate of 4ml/min to 500ml/min. Application process chemicals: (Chloroform, carbon tetrachloride, Ethylene Dichloride (EDC), Ortho Dichlorobenzene, Para dichlorobenzene), solvent and acids (Sulphuric Acid: Having strength 98%, 70-95% and below 70%. f. Nitric Acid: Strength 98%, 85-95% and below 70%). The Hydra-Cell pump is running trouble-free and without any maintenance.		
Advantages of Hydra-Cell pump on this application	• Ability to pump slurries with an extremely low pulse flow • Seal-less design for low maintenance • Small footprint		

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