Application story

WANNER™
HYDRA-CELL® PRO
SEAL-LESS PUMP TECHNOLOGIES

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 Pharamceutical 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 suceesfully since January 2020 without any maintanence 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

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com