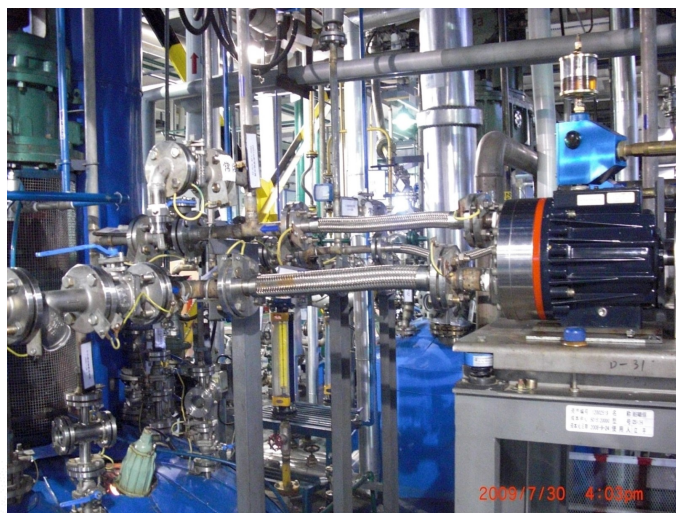


Application story



Paint Manufacture - Chemical Injection Systems

Location	China	Hydra-Cell model	G25EKSJHFECA
Type of application	Paint Manufacture - Chemical Injection Systems	Flow rate	0.05m ³ - 7.5 m ³ /hr
Liquid	Monomers Initiators	Pressure	Up to 55 bar
Application details	Hydra-Cell pumps were preferred over Fugti metering pumps when Asia's leading paint manufacturer installed a pressure injection system to deliver a variety of monomers and initiators into a reaction vessel. The liquids to be injected vary in viscosity from 0.4 mPa to 1000 mPa. Some contain solid particles. Required flows range from 0.048 to 7.5m³/hr, while each individual pump must itself have a wide flow range (e.g 0.044 to 0.36m³/hr). Accurate chemical proportions are critical to the reaction. With its virtually pulse-free flow, the Hydra-Cell pump needs no pulsation dampener on this application. Flow rate is flexibly controlled and instantly varied by varying motor speed, as compared with the conventional metering pump method in which flow is adjusted by changing pump stroke. Other advantages of the Hydra-Cell design include smaller footprint, easy handling of particles, lower power consumption and lower initial cost. The pump's precision metering performance exceeds the requirements of API 675.		
Advantages of Hydra-Cell pump on this application	Precision metering - exceeds API675. Smooth flow (no need for pulsation dampener), wide flow range and viscosity range. Wide pressure range. Can handle abrasive solids. Low power consumption. Lower initial costs and LCC.		

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