

Application story



Alkylation Dosing

Location	Russia	Hydra-Cell model	G04XDBTHFEHG & MT08MSNJNSSGD20C
Type of application	Alkylation Dosing	Flow rate	1.0 lph (0.5 US gal/min)
Liquid	Methylpropane, hydrocarbons mixture	Pressure	150 bar (2176 psi)
Application details	Hydra-Cell's G04 dosing pump and a Hydra-Cell MT8 metering and dosing pump is being used in an alkylation process for a major Russian petrochemical company specialising in the production of CIS-Isoprene synthetic rubbers. Alkylation is being used to combine light olefins with isobutane to produce alkylate, a highoctane gasoline component. The process occurs in the presence of a strong acting acid catalyst.		
Advantages of Hydra-Cell pump on this application	The Hydra-Cell solution was preferred to a piston, dosing pump, primarily as a result of the Hydra-Cell's ability to operate with high inlet pressures. The seal-less design will also ensure a leak-free operation and a safer, healthier environment.		

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