

Application story



Magnesium Peroxide Dosing for Water Treatment Processes

Location	South Korea	Hydra-Cell model	G25EKSGCCECA x 4
Type of application	Magnesium Peroxide Dosing for Water Treatment Processes	Flow rate	40-70 l/min (10.5-18.5 gpm)
Liquid	Magnesium Peroxide Solution	Pressure	Up to 8 bar (116 psi)
Application details	Hydra-Cell G25 pumps have replaced progressive cavity screw pumps on a desulphurisation process, disinfecting and deodorising, at a water treatment facility in Korea. The screw pumps could not satisfactorily handle the abrasive MgO₂ solids content of the injected liquid - which resulted in external leaks. The G25 pumps have performed with no leakage, and power consumption has been reduced by 50%. The Hydra-Cell pumps are providing stable and consistent low-pulsation flow at the easily controllable rates necessary to control pH level.		
Advantages of Hydra-Cell pump on this application	Seal-less design. Minimal maintenance, less expensive spare parts compared with screw pumps. Simple flow control with inverter and variable speed motor. Ability to run dry without damage. Energy saving.		

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