

Application story



Fly Ash injection Valve Cleaning

Location	Poland	Hydra-Cell model	G35XKCTHFEYA x 6
Type of application	Fly Ash injection Valve Cleaning	Flow rate	5m ³ /hr (1320 US gal/hr)
Liquid	Water	Pressure	10 Bar (145 psi)
Application details	Hydra-Cell® Cleaning up Coal Power Generation A major coal fired power generation plant in Poland has installed Hydra-Cell pumps in a valve flushing operation to prevent fly ash build-up. Fly ash, also known as pulverised fuel ash, is a fine powder by-product of the combustion process in coal-fired power stations. It is both strongly alkaline and very abrasive. In this instance, the wet disposal method is employed which reduces the possibilities of atmospheric pollution. The ash is mixed with water and the dust free slurry is then transported to the disposal area. The injection valves used need constant flushing to prevent fly ash build-up. The flushing water contains ash particles that caused rapid seal wear on the Karcher piston pumps previously installed. The maintenance requirement was constant and expensive. They were replaced with six Hydra-Cell G35 pumps, which, because of their seal-less nature, handle the abrasive particles reliably.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - It's seal-less design handles this particle laden liquid reliably and with ease. - Extremely low levels of maintenance required.		

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