

Application story



Ceramic Shower Tray Casting

Location	Hungary	Hydra-Cell model	G25XKCGHFECA
Type of application	Ceramic Shower Tray Casting	Flow rate	6 - 7 l/min (1.6 - 1.8 gpm)
Liquid	Resin Clay Sand	Pressure	5 bar (70 psi)
Application details	In developing new ceramic casting plant for the production of shower trays, one of the challenges facing a Hungarian bathroom equipment manufacturer was finding a pump to meet the special requirements of the application. The liquid to be pumped is a viscous resin with 85% clay containing sand particles. It is highly abrasive, and therefore damaging to many types of pump. A further requirement is that liquid flow, at a relatively low rate, should be well-defined and constant and without pulsation. The pump originally tested was a standard dosing pump with single mechanically actuated diaphragm. This pump failed to handle the liquid, and was also unable to deliver the required pulse-free flow. It was rejected and replaced with a Hydra-Cell G25, operating at very low speed. Fitted initially with stainless steel valve seats, the Hydra-Cell pump was able to handle the abrasive liquid satisfactorily and also delivered a smooth flow in accordance with customer specification.		
Advantages of Hydra-Cell pump on this application	Seal-less design with multiple diaphragms in a single head. Ability to handle abrasives. Smooth, even flow of viscous liquid.		

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