

CLEANING & WASHING

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	Automatic mold cleaning
Media:	• Recycled water • Borax • Silica • Alumina zirconium
Model No.:	H25XKCGHFEYA
Flow Rate:	20 gpm (75 l/min)
Pressure:	1000 psi (69 bar)
Hydra-Cell Advantages:	• Ability to pump abrasive recycled hot water at high pressure • Reliability



Abrasive Cleaning of Molds with Alumina Zirconium

An American manufacturer of solid stick deodorant products wanted to automate a mold-cleaning process and had been looking for a pump with two essential features. It had to handle extremely abrasive recycled water, and it had to work at high pressure. None of the pumps already considered could realistically offer this combination. So the molds that formed the “pucks” (basic solid sticks) were being cleaned by hand - unreliable and clearly ineffective, because more than 60% of the pucks produced had to be rejected.

The problem was solved by a visit from the Hydra-Cell distributor, who introduced the Hydra-Cell range, supplied an H25 pump and helped the plant develop an efficient automatic mold-cleaning system. Result - virtual elimination of waste in a critical stage of the manufacturing process.

Characteristics of Fluid Pumped:

☒ Contains Abrasives ☐ Corrosive ☐ Solids in Suspension ☐ High-temp. (>158°F/70°C) ☐ Non-lubricating ☐ High-viscosity (>500 cPs)