

METERING

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

Location:	Hungary
Application:	Metering 2-part adhesive during LED manufacturing
Media:	• Adhesive • Quartz sand
Model No.:	D03XMBTHFEMA + C62 valve
Flow Rate:	2.34 gph (8.87 lph)
Pressure:	115 - 130 psi (8-9 bar)
Hydra-Cell Advantages:	• Outstanding solids handling • Good controllability • Accuracy • Pulse-free metering • Easy cleaning



Metering Abrasive Glue in LED Production

A manufacturer of LED lights in Hungary previously used gear pumps to meter a special two-component glue into each lamp during production. The glue is viscous and abrasive, with a 20%-30% solids content of quartz sand.

The gear pumps required frequent repair. They were replaced for a one-month trial by two Hydra-Cell D03 pumps. The customer was very satisfied with the results and subsequently purchased two additional sets of pumps and valves for other production units.

Characteristics of Fluid Pumped:

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