

PAINT & COATINGS

Quick

STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	Coating ceiling tiles
Media:	• Paint
Model No.:	D10XKSTDDECH
Flow Rate:	4 gpm (15 l/min)
Pressure:	493 psi (34 bar)
Hydra-Cell Advantages:	• Kel-Cell technology protects diaphragms against damage if suction line strainers clog • Seal-less design provides reliability and long pump life • Construction material options available to match liquid characteristics • Less pulsation • Lower energy requirement and cost • Operation is quieter than air-driven pumps



Spray Coating Ceiling Tiles

An American plant manufacturing ceiling tiles was having problems on the final coating stage of the production process. Air-operated hydraulic paint-spraying pumps, feeding paint to spray nozzles above the conveyor, were repeatedly breaking down. Pump life ranged from five days to just a few hours.

A one-month trial of a Hydra-Cell D10 with Kel-Cell technology under production conditions quickly demonstrated to the customer the savings in maintenance/repair costs and energy. The pump ran reliably without problems. Output was up and no production was lost through downtime.

The customer ordered another six D10 pumps with tungsten valves and seats. Further applications for Hydra-Cell units were found in the same plant. Cost savings here, and then in the company's other plants where the technology has been adopted, have been substantial.

Characteristics of Fluid Pumped:

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