

CONSTRUCTION

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	United Kingdom
Application:	Chemical injection
Media:	• Calcium peroxide
Model No.:	D10XKSGSFEYB
Flow Rate:	8 gpm (30 l/min)
Pressure:	100 - 580 psi (7 - 40 bar)
Hydra-Cell Advantages:	• Seal-less design • Resistance to chemicals • Durability under difficult conditions



Chemical Injection into Soil for Ph Balance

This environmental consultancy has been using a D10 Hydra-Cell coupled to a Honda engine for chemical injection into soil. The chemicals are for preparing contaminated sites for development by balancing the soil Ph.

The liquid contains particles of 0.08 to 0.12 (2 to 3mm) at concentrations of 30 - 40%. This particle size and concentration is very high for this pump and will clog after 1/2 hour. The pump is then flushed with clean water and put to work again.

Two years after installation no problems have been reported using the Hydra-Cell D10.

Characteristics of Fluid Pumped:

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