

CLEANING & WASHING

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

Location:	Netherlands
Application:	Clean-in-place
Media:	• Sodium hydroxide
Model No.:	D10
Flow Rate:	130 - 300 gph (490 - 1160 lph)
Pressure:	175 psi (12 bar) - X-cam & I-cam)
Hydra-Cell Advantages:	• Seal-less construction • Reliability



Clean-in-place for Food Processing Equipment

For clean-in-place pumping systems where the cleaning liquid would be sodium hydroxide solution at 68°F (20°C) a large process equipment OEM chose Hydra-Cell D10 pumps with polypropylene heads. The pumps are mounted on skids.

To withstand aggressive chemicals used on-site for external cleaning, the standard front plate of each pump was replaced with a plate in 316L Stainless Steel. Special Stainless Steel bolts were also fitted.

On this application, Hydra-Cell pumps were designed-in from the outset - an important advantage being their seal-less design and reliability in leak-free handling of a chemical solution that could be harmful to skin.

Characteristics of Fluid Pumped:

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