

POWER GENERATION

Quick STUDY

Hydra-Cell[®]
Seal-less Pumps

www.Hydra-Cell.com

Location:	Belgium
Application:	Pressure injection into closed water circuit
Media:	• Water • Citric acid • Oxalic acid • Ascorbic acid • Potassium permanganate
Model No.:	H25XKSGHFECB
Flow Rate:	18 - 140 ft ³ /hr. (0.5-4 m ³ /hr.)
Pressure:	175 - 190 psi (12 - 13 bar)
Hydra-Cell Advantages:	• Reliable performance with corrosive, non-lubricating liquids • Ease of control • Volumetric accuracy



Disinfection of Nuclear Pipework

A Belgium contracting company specializing in nuclear construction and services installed a Hydra-Cell H25 as an injection pump for the disinfection of closed water systems operating at 145 psi (10 bar).

Powered by a 5.5kW (7.4 hp) motor running at 980 rpm with VFD speed control, the pump delivers disinfecting liquid solution into the target system at a pressure of 174 - 189 psi (12 - 13 bar) to overcome the 145 psi (10 bar) internal pressure of the water system. Liquid temperature of the disinfectant is 86°F (30°C) at the pump inlet, rising to 194°F (90°C) further into the process.

Satisfied with pump performance, the customer was reported to be considering the Hydra-Cell for further applications.

Characteristics of Fluid Pumped:

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