

POWER GENERATION

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	High-pressure boiler feed
Media:	• Hot Water
Model No.:	D10XKCTHFEHH H25XKCTHFEHH D35XKCTHFEHH
Flow Rate:	5 - 26 gpm (20-100 l/min)
Pressure:	220 - 400 psi (15 - 28 bar)
Hydra-Cell Advantages:	• Seal-less design, eliminating cost of seal maintenance and a common cause of pump failure • Ability to run dry without damage • Proven long service reliability



Boiler Feed in On-demand Steam Generation

Hydra-Cell pumps are installed as original equipment by a market-leading manufacturer of “on-demand” steam generators to pump boiler feed water at high pressure and temperatures as high as 205°F (96°C).

This is a well-established application on which Hydra-Cell, with its seal-less pumping technology, has replaced piston/plunger type pumps. Water at 194°F (90°C) is 64 times more corrosive than water at 86°F (30°C) accelerating attack on the dynamic seals which are a necessary feature in many types of high pressure pumps.



Characteristics of Fluid Pumped:

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