

OIL & GAS INDUSTRY

Quick STUDY

Hydra-Cell
Seal-less Pumps

www.Hydra-Cell.com

Location:	United States
Application:	Fuel feed to blending system
Media:	• Methane • Butane • Propane
Model No.:	D35XKKBGHEHA
Flow Rate:	Up to 37 gpm (140 l/min)
Pressure:	Up to 1450 psi (100 bar)
Hydra-Cell Advantages:	• Ability to handle non-lubricating liquids reliably • Controllability • Ability to pump liquids of very low viscosity efficiently



Developing Gas Turbine Fuel Flexibility

Hydra-Cell D35 pumps were chosen to pump methane, butane and propane in a unique world-class combustion test facility developed by the Turbine Research & Development division of a major manufacturer of transportation equipment. The project, named "fuel flex," was judged Final Runner Up out of 340 entries in the company's Energy Engineering Awards 2010.

The need for fuel flexibility in gas turbines necessitates a quality test facility which has to be versatile in order to accommodate the different requirements of its customers. Working with Wanner and other industry experts, they were able to develop a special delivery system to supply the gases which are used in the blending process.

The proven versatility of the Hydra-Cell pumps has been integral to the successful demonstration of the system's capabilities. It has already completed more than 25 tests.



Characteristics of Fluid Pumped:

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