

Application story



Boiler Feed in Flavourings Plant

Location	Malaysia	Hydra-Cell model	G35XKBTFFEHH
Type of application	Boiler Feed for Flavourings Plant	Flow rate	95 - 138 l/min (25 - 36 gpm)
Liquid	Hot Water	Pressure	65 - 73 bar (940 - 1060 psi)
Application details	Hydra-Cell® Pumps Hot Boiler Feed Water Danisco is a global developer and manufacturer of food and beverage ingredients and dietary supplements, and is now part of the DuPont Empire. In its manufacturing plant in Penang Malaysia the Company has installed Hydra-Cell G35 pumps for a boiler feed application. Plunger pumps had previously been used for this application but were not up to the arduous duty of pumping water at 130°C to feed the boiler. Mechanical seals needed replacing monthly and occasional dry running saw them wear out even faster. The high cost of repair and associated high power consumption was unacceptable. A Hydra-Cell G35 pump with oil coolers solved the problem. The pump and motor set proved to be 40% cheaper than the plunger pump set-up and the Hydra-Cell's high energy efficiency led to an estimated annual power saving of over 5000 USD. The Hydra-Cell's compact design and small footprint made siting and installing the pump easier and spare parts (when and if they are needed) will be far more economical.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - Its compact size, ensuring a simple installation. - Its seal-less design, giving vastly reduced maintenance costs.		

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