

Application story



Heater Treater - Burner Fuel Feed

Location	Oman	Hydra-Cell model	P200MSGSSB05S
Type of application	Diesel Oil for Burner Fuel Feed	Flow rate	120 - 240 l/hr (26 - 53 gph)
Liquid	Diesel Oil	Pressure	9 bar (130 psi)
Application details	4 x Hydra-Cell P200 pumps are operating in remote desert locations in the Saiwen and Farha oilfields in Oman. CC Energy Development S.A.L (CCED) are a privately owned upstream oil & gas exploration and production company, with over 25-years' experience of exploration, development and production. Facing ambient temperatures of up to 55°C, the pumps are part of a heat treatment system in which gases and light hydrocarbons are removed from oil by heating it as it emerges from the ground. Driving off these gaseous constituents enables the produced oil to be transported more efficiently. The diesel oil used as heating fuel is pumped to burner nozzles. It is a thin non-lubricating liquid whose low viscosity (further reduced by high ambient temperatures) created a potential seal wear problem for many types of pump. Choosing Hydra-Cell pumps, with their seal-less design, eliminated that risk. Another design feature, multiple diaphragms combined in a single pump head, gave the Hydra-Cell several advantages not offered by traditional metering pumps. Specially important on this application are smooth, virtually pulseless flow, low maintenance requirement and reliable operation. The installations are sited remotely. It is a long drive to service or repair a pump.		
Advantages of Hydra-Cell pump on this application	Seal-less design, incorporating multiple diaphragms in a single pump head. Smooth flow, Simple, compact build (cf.relative bulk of traditional metering pumps). Low maintenance = Proven reliability.		

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