

Application story



Gas Drying (6)

Location	India	Hydra-Cell model	D04XARGHFEMG
Type of application	Natural Gas Drying	Flow rate	450 lph (99 US gal/h)
Liquid	Mono-Ethylene Glycol Tri-Ethylene Glycol (TEG)	Pressure	85 bar (1233 psi)
Application details	Cairn India Limited, one of the largest independent oil and gas exploration and production companies in India, is using a Hydra-Cell D04 pump in a process to dry natural gas from the Ravva field in Andhra Pradesh. Lean, water-free glycol is injected into an absorber where it is contacted with the wet natural gas stream at a pressure sufficient to overcome the inherent pressure of the natural gas stream. There it is contacted with the wet natural gas, removing water by physical absorption. A conventional single diaphragm, metering pump failed to provide the smooth flow required by the system. It was replaced by a seal-less Hydra-Cell D04 pump in 2010 and is still running well with minimal maintenance.		
Advantages of Hydra-Cell pump on this application	The easy controllability of the Hydra-Cell ensures that the glycol flow can be readily adjusted to meet the requirements of the gas stream.		

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