

Application story



Gas Drying (15)

Location	India (Installation: June 2020)	Hydra-Cell model	G25XMSGHFEHB
Type of application	Glycol (TEG) Injection	Flow rate	49.21 l/min (3 GPM)
Liquid	Tri-Ethylene Glycol (TEG)	Pressure	62.05 Bar (900 psi)
Application details	The purpose of this pump is to feed the TEG into the absorber and to recover the liquid content (water) from the natural gas. Prior to being fed into the pipeline, the natural gas needs to be dried. Triethylene Glycol (as used within anti-freeze solution) is pumped into an absorber as its dehydrating agent to pull out water from the stream of natural gas flowing over it. The customer was experiencing problems with the existing competitor technology pump (Goma Triplex Plunger Pump) with leakage due to seal failure within 2-3 months of installation; this issue on seal failure is exaggerated as the TEG is a non-lubricating liquid and with an operating temperature of 70°C.		
Advantages of Hydra-Cell pump on this application	With no dynamic seals or packing, Hydra-Cell is: • Capable of handling solids, suspended and abrasive particles • Reliably handles hot liquids		

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