

Application story



Gas Drying (13)

Location	New Mexico - USA (Installation: 2011)	Hydra-Cell model	G35XKBGFHEHH
Type of application	Gas Drying	Flow rate	130 l/pm (29 gpm)
Liquid	Tri-Ethylene Glycol (TEG) (at 80°C)	Pressure	80 bar (1160 psi)
Application details	Hot TEG at 80°C is sprayed through a gas stream to strip out water vapour from the gas before entering distribution compressors. The TEG is reconditioned and recirculated. This can mean that the lean TEG picks up small particles and any trace amounts of H₂S or CO₂ to form weak acidic solutions. The recycled hot TEG can be a difficult liquid to pump reliably. Williams Pipeline has used Hydra-Cell pumps for many years with many installations in different applications with minimal servicing costs. Therefore Hydra-Cell seal-free, packing free design was a natural choice for the recirculated hot TEG. No other pump technologies were considered.		
Advantages of Hydra-Cell pump on this application	Seal-free and packing-free design provides: • Minimal servicing for minimal maintenance costs • Reliably handles hot, abrasive, non-lubricating and corrosive liquids		

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