

Application story



Gas Drying (12)

Location	Nüttermoor, Germany (Installation: March 2010)	Hydra-Cell model	G35XKSGHFEHH x 6 pumps
Type of application	Tri-Ethylene Glycol (TEG) for Gas Dehydration (2)	Flow rate	43 l/m (11 gpm)
Liquid	Tri-Ethylene Glycol (TEG) (Between 90-100°C)	Pressure	60-70 bar (870-1015 psi)
Application details	German engineering contractor E.M.S first chose Hydra-Cell pumps (G10 & G03) instead of previously-favoured piston plunger pumps for the critical TEG pumping operations in gas drying plants built in Romania for Romgaz. The success of the pumps in that 24m Euros project encouraged E.M.S to install Hydra-Cell units on further gas projects in Romania and elsewhere - even in cases where initial specifications called for pumps from other manufacturers. A recent installation (picture) is at the Nuttermoor gas storage facility in Germany, where Hydra-Cell G35 pumps perform the TEG duty - delivering glycol at pressure to the top of absorber vessels to remove water vapour from the rising stream of gas.		
Advantages of Hydra-Cell pump on this application	Reliability. Accuracy. Flexible performance (wide operation range of each model). Compact build. Low life-cycle costs.		

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