

Application story



Gas Drying (10)

Location	Romania (Installation: February 2012)	Hydra-Cell model	G35XKSGHFEHH (3 sites; 4 pumps at each site)
Type of application	Tri-Ethylene Glycol (TEG) for Gas Dehydration (3)	Flow rate	5-9 m³/hr (22-40 gpm)
Liquid	Tri-Ethylene Glycol (TEG)	Pressure	30 bar (435 psi)
Application details	When engineers at a gas plant in eastern Romania preferred seal-less Hydra-Cell pumps over conventionally-specified piston plunger pumps for handling TEG (tri-ethylene glycol) on a gas drying installation in 2012 it was not a difficult decision. The operating company, Romania's leading supplier of natural gas, was already a major user of Hydra-Cell pumps, and the old plunger pumps at this plant had needed maintenance every two months. Hydra-Cell pumps were first introduced to the gas supplier several years previously by the German gas engineering specialist EMS, main contractor for the construction in Romania of 12 new gas drying plants. On that project the pumps had provided the contractor with a new technical solution, enabling it to meet wide and varying operating requirements while using only three models (G03, G10, G25). The eastern Romanian plant was the latest of the operating company's facilities to be equipped with Hydra-Cell pumps for delivering TEG to absorber vessels at the critical final stage of gas dehydration. The chosen model this time is the G35. Six of these - two working individually, two sets in parallel - pump the TEG at flow rates of 5-9m³/hour and temperatures of 80-90°C. Installed in early 2012 they have continued to run quietly and without maintenance, reported the plant manager two years later.		
Advantages of Hydra-Cell pump on this application	Consistent and accurate flow. Compact design. Wide operating range. Long term reliability on continuous duty.		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com