

Application story



Refinery Grade Propylene (Propene) Transfer

Location	La Porte, Texas, USA (Installation: 2020)	Hydra-Cell model	Q155EDSGN NESAS
Type of application	Refinery Grade Propylene (Propene) Transfer	Flow rate	567.8 l/min (150 gpm)
Liquid	Propene Propylene Methyl Ethylene	Pressure	66.6 bar (966 psi)
Application details	The end user is one of the largest energy infrastructure companies in North America. The company specialises in owning and controlling oil and gas pipelines and terminals; it owns an interest in or operates approximately 85,000 miles of pipelines and 152 terminals. The Hydra-Cell pumps are used in the transfer application to load the product into ships or rail cars. • Fluid temp: -2 to 38 Deg. C (28-100 Deg. F) • NPSHa: 21.6m (71 ft) • Suction pressure: 12 bar (172 psig) • Pump NPSHr = 4m (13 feet) • Pump speed: Between 430-440 rpm • SG: .502 • Ambient temp: pump must be 4.4 deg.C (40 deg.F) + at start up • Entrained gas: No • Maximum solids: 800 micron or less • Viscosity: .072 Cps • Duty: Intermittent		
Advantages of Hydra-Cell pump on this application	Seal-less design ensures: • 100% containment of pumped liquid (no packing to leak) in a compact and reliable design		

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