GAS DEHYDRATION

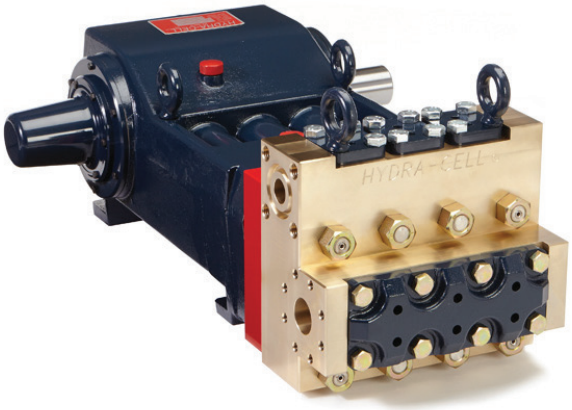
InfoBITS

Hydra-Cell® Provides Leak-free MEG Injection for Gas Drying

Water can collect in natural gas process systems and cause a number of problems: increase the pressure drop, which can result in slug flow; freeze or form solid hydrates that reduce gas flow or plug the line; enable acidic gases (e.g., Hydrogen Sulfide, Carbon Dioxide) to dissolve in the water and corrode components; allow condensate to form and cause compressors to fail or break.

Injecting Methanol and Glycol (MEG) into the natural gas process stream dehydrates the gas so water can be channeled out of the system. Reciprocating plunger pumps are often used, but their packing leaks glycols for pump lubrication. This means problems with lower efficiency and higher maintenance costs.

A gas producer decided against using plunger pumps and installed four Hydra-Cell T100 High Pressure pumps. With its seal-less design and no packing to leak, adjust, or replace, the Hydra-Cell pumps avoid glycol losses and keep maintenance costs low.



Pump Model: T100SRDTHFESAC - 4x
Flow: 13.9 gpm (52.6 l/min)
Pressure: 626 psi (43 bar)
Application: Injecting Methanol and Glycol (MEG) for gas dehydration.

Contact an Application Expert

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Hydra-Cell®
Seal-less Pumps

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