



Glycol System

COMPASS MODEL NO: LTS AND ETHYLENE GLYCOL
REGENERATION SYSTEM

Application:	Natural gas field processing for dewpoint control of natural gas.
Objective:	Increase ability of existing hydrocarbon dewpoint control plant and prevent hydrate formation during refrigeration.
Design Challenges:	Allow for integration of new equipment into existing plant while minimizing process upset and utility of site equipment.
Compass Solution:	Liquid/liquid LTS design (allowed for use of existing LTS for gas/liquid separation) and hydrate suppression injection for new and existing equipment.

Major Equipment Specifications

Vessels:

- 48" OD liquid/liquid LTS
- 36" OD glycol flash vessel
- 36" OD glycol carbon filter
- Dual 6-5/8" glycol particle filter

Regenerator:

- 36" OD reboiler
- 32" OD accumulator with coil type lean/rich exchanger
- 16" OD still column
- 14" OD, 0.6 MM Btu/hr natural gas fired flame arrested fire-tube

Other Features:

(2) 100% 15 HP Reciprocating Glycol Charge Pumps, 2290 psig discharge pressure.

Control Panel:

Profire 2100 BMS

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