

Capacity: 60 MM SCFD

Raw Materials: Natural Gas Feed

End Products: Sweetened Gas Feed

Equipment List

- Amine Contractor
- Amine Solvent Stripper
- Rich Amine Flash Tank
- Reflux Accumulator
- Solvent Drain Sump
- Feed Gas/Oil Coalescing Filter
- Rich Solvent Filter
- Solvent Carbon Bed
- Solvent After Filter
- Charcoal Filter
- Lean Solvent Pumps
- Reflux Pumps
- Solvent Drain Pump
- Water Wash Pump
- Lean Solvent Coolers
- Solvent Stripper Reflux Accumulator
- Lean/Rich Solvent Exchangers
- Solvent Stripper Reboilers
- Solvent Storage Tank

60 MM SCFD Amine System for Sale



BRIEF PLANT DESCRIPTION

Phoenix Equipment has for sale this 60 MM SCFD Amine System. The amine system provides gas sweetening to the incoming inlet hydrocarbon gas with the removal of CO₂ & H₂S in varying degrees depending on the selection of solvent utilized in the process. The existing selection of amine solvent was optimized for deep CO₂ & H₂S removal using Dow Chemical's Ucarsol AP-804 amine solvent. The design of the system was to treat 60MM SCFD of incoming gas and removing essentially all H₂S and CO₂ to the wet gas header specifications. The original basis of design for the system changed over the years to 85% CO₂ and 2-5% H₂S. Due to the high quantity of both contaminants in the inlet wet gas, a high circulation rate was required to keep the rich loading in the 30-40% region and is what drove the sizing of the system to such a large system.

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