



Sulfur Recovery Unit (SRU) - 350 TPD

Capacity: 350 TPD

Raw Materials: Acid Gas

Process Information: This sulfur recovery unit, designed for a 25-year service life, utilizes the Claus process to convert 95% of H₂S in acid gas to 99.9% pure elemental sulfur. Well preserved and ready for operation, with no introduction of hydrocarbons or chemicals.

Major Equipment

- Acid gas KO drum
- Acid gas pre-heater
- Combustion air blower
- Reaction furnace
- Waste heat boiler
- Sulfur reactor
- Sulfur condenser
- Sulfur re-heater
- Incinerator
- Sulfur pit
- Pastillation unit
- Chemical injection system

Brief Plant Description

350 TPD SRU designed to take acid gas from amine units as feedstock. The unit uses the Claus process to convert 95% of inlet H₂S to element sulfur product of 99.9% purity (dry basis). In the three-bed (3 reactors) SRU process, part of the acid gas is burnt in the main combustion chamber to produce SO₂. The gas stream from the combustion chamber is then passed through a series of condensers and reactors to produce liquid sulphur, which is then collected in the sulphur pit and degassed to remove H₂S before sending to pastillation unit. The sulphur pastilles from the pastillation unit are stored in silos before sending for export by trucking. The unit was built for a service life of 25 years. After pre-commissioning, it has never been operated. No hydrocarbons or chemicals entered into the unit. Currently the unit is being maintained in preservation mode in a dormant state and ready to start.

**For more
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