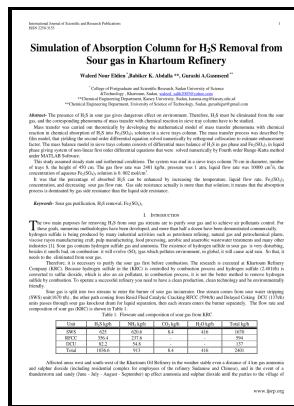


# Removing Acid Gas by Agitated Absorption.

## s.n - 6.2.1. Acid Gas Removal (AGR)



Description: -

-Removing Acid Gas by Agitated Absorption.

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5730Removing Acid Gas by Agitated Absorption.

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## Natural Gas Processing

Objectionable hydrogen sulphide is removed from such a gas or from naturally occurring hydrocarbon gases by washing with various alkaline solutions in which it is absorbed. Advantageously, it would be desirable to find a means to lower the viscosity of the higher molecular weight homologs.

## ACID GAS REMOVAL FROM GAS MIXTURES

However, an oil absorption plant can be modified to improve its propane recovery by adding a propane refrigeration cycle for cooling. Mixtures of hydrogen sulfide with other gases, such as carbon dioxide and methane, are found in a number of industries. Source: Semih Eser As shown in Figure 10.

## Amine gas treating

Syngas exiting the particulate removal and gas conditioning systems, typically near ambient temperature at 100°F, needs to be cleaned of the sulfur-bearing acid gases to meet either environmental emissions regulations, or to protect downstream catalysts for chemical processing applications. This insight allows for more stable operation, reduced energy expenditure and associated emissions, and greater facility throughput. Cleaned syngas is sent to downstream systems for further processing.

## Acid Gas Removal

The rich solvent is then sent to a regenerator still to remove the acid gases that are sent to the sulfur recovery unit. It will be understood that the low hydrogen sulfide content of the solvent at the top of the absorber is most critical with respect to obtaining purified natural gas containing 4 p. Except where otherwise noted, content on this site is licensed under a

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