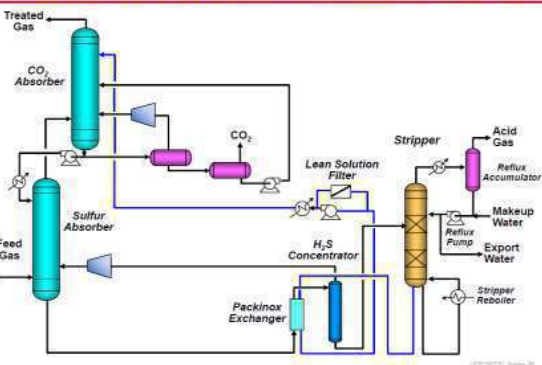


SELEXOL CO2 REMOVAL PLANT AVAILABLE CONSISTING OF TWO SEPARATE LINES

EACH LINE CAN PROCESS ABOUT 536 MMSCFD OF SYNGAS TO REMOVE CO2 FROM 22.37 MOLE% DOWN TO ~0.5 MOLE% AND 3130 PPM H2S DOWN TO <5 PPMV.
NORMAL OPERATING CAPACITY ~509 MMSCFD PER LINE.



Selexol Flow Schemes
Sulfur Removal & CO₂ Capture—Conventional



SELEXOL PROCESS RELIABILITY

The Selexol process is a proven commercial process that uses a physical solvent to remove acid gases from synthetic or natural gas streams. The process uses Dow Chemical's Selexol solvent made of a mixture of dimethyl ethers of polyethylene glycol. The solvent is chemically inert and not subject to degradation.

SELEXOL DESIGN FEATURES

The Selexol process was introduced over 35 years ago and more than 60 Selexol units have been put into commercial service to date. The most recent applications focus on treating of synthetic gas from gasification complexes for power and hydrogen production. Three units have been in operation in this service since 2000 and have operated with high on stream efficiencies and better than design product qualities.



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