

Ammonia Process

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Background

Ammonia is widely known gas used for manufacturing of the Fertilizer known as Urea.

Description of Flow-Sheet

Flow sheet are develop with the help of selected literature.¹

Assumption

Here selected process there is absorption tower which work on chemisorption principle but in DWSIM there is no module for that, So for compensation of the reaction we add extra solvent.

References

- [1] William L. Luyben; “[Plantwide Control of a Coupled Reformer/Ammonia Process](#)”, Chemical Engineering Research and Design, Volume 134, June 2018, Pages 518-527