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OPERATION OF A BINARY DISTILLATION COLUMN (Practical Simulator Training)

COURSE CONTENT

- Basics of distillation & operating parameters Construction of heat exchange areas and refractory materials: tube bundle arrangement, insulation, type of materials used and operating limits.
- Fractionation capability and analysis of operating parameters using the virtual column Study the operating parameters of the distillation column.
- Implementation of a T, P, F, L control
- Practice on dynamic simulator
- Start-up – shutdown procedures

OBJECTIVE

- Grasp the basic properties of hydrocarbon mixtures and the effects of pressure on temperature profiles and composition.
- Learn how to operate a binary column with two compounds in the feed.
- Understand column control loops and objectives.
- Learn how to achieve proper separation to keep products on spec.
- Learn how to achieve normal column operation with common regulatory control strategies.
- Be familiar with all parameters and profiles for the analysis of distillation columns.

TARGET GROUP

- Field operators preparing for console operations.
- Console operators.

DURATION

3 days