Gas-Liquid And Liquid-Liquid Separators

Description: This practical guide is designed to help engineers and operators develop a "feel" for selection, specification, operating parameters, and trouble-shooting separators; form an understanding of the uncertainties and assumptions inherent in operating the equipment. The goal is to help familiarize operators with the knowledge and tools required to understand design flaws and solve everyday operational problems for types of separators.

The book is divided into six parts: Part one and two covers fundamentals such as: physical properties, phase behaviour and calculations. Part three through five is dedicated to topics such as: separator construction, factors affecting separation, vessel operation, and separator operation considerations. Part six is devoted to the ASME codes governing wall thickness determination of vessel weight fabrication, inspection, alteration and repair of separators.

500 illustrations
Easy to understand calculations methods
Guide for protecting downstream equipment
Helps reduce the loss of expensive intermediate ends
Helps increase product purity

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Part 1: Production of Gases and Liquids
Chapter 1: Hydrocarbon reservoirs and reservoir fluid characteristics
Chapter 2: Physical properties
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Chapter 14: Two-phase sizing and Three-phase sizing
Part 3: Separator design using the ASME Code
Chapter 15: Separator construction
Chapter 16: Wall Thickness and Vessel weight
Chapter 17: Fabrication, Inspection, Alteration and Repair

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