Mindluster Platform

About the course Flash Distillation in Chemical

Flash Distillation course, In this course we will learn about Flash Distillation, a separation technique based on pressure and vapor-liquid equilibrium, used in various industries.

Engineering Category's Courses

Course Lesson(29)

Lesson 1 : **Flash Distillation in Chemical Process Engineering Trailer**

Lesson 2 : **Welcome to the Flash Distillation Course Lec 001**

Lesson 3 : **Content Index of Flash Distillation Course Lec 002**

Lesson 4 : **Why is Flash Distillation important in Chemical Process Engineering Lec 004**

Lesson 5 : **Recommended Mass Transfer Reference Books and e Books Used Lec 005**

Lesson 6 : **Quick Review of Mass Transfer for Separation Processes Flash Distillation Lec 010**

Lesson 7 : **Partial Pressure vs Vapor Pressure Review of Mass Transfer for Flash Distillation Lec 016**

Lesson 8 : **Vapor Liquid Equilibrium for Binary Systems Flash Distillation Course Lec 019**

Lesson 9 : **K Values An Overview for Distillation Lec 025**

Lesson 10 : **Task Calculate K Values given a TXY Diagram Lec 026**

Lesson 11 : **Temperature vs Composition Diagrams TXY Diagram Lec 035**

Lesson 12 : **Step by Step Analysis of Distillation in a T XY Diagram Lec 036**

Lesson 13 : **Tyical Cases in Vapor Liquid Equilibrium for Distillation Processes Lec 041**

Lesson 14 : **Solving an Ideal solution Ideal Gas Case Lec 042**

Lesson 15 : **Quick Case Conclusion Ideal Gases and Solutions vs Real Gases and Solutions Lec 052**

Lesson 16 : **Miniumum Boiling Point Azeotropes Distillation Lec 056**

Lesson 17 : **Getting Equilibrium Data for Vapor Liquid Mixtures from Aspen Plus Lec 062**

Lesson 18 : **Task Graphing Txy Data with Binary Analysis Tools using Aspen Plus Lec 063**

Lesson 19 : **Flash Process Technology An Introduction to Flash Distillation Lec 067**

Lesson 20 : **The Mesh aka Demister for Flash Drums and Knockout Drums Lec 076**

Lesson 21 : **Introduction to the Concept of Operation Line in Separation Processes Technology Lec 086**

Lesson 22 : **Operation Line of a Flash Drum FOL Lec 088**

Lesson 23 : **Exercise 2 Partially Flashing an Alkane Mixture Lec 095**

Lesson 24 : **Flash Drum Sizing Exercise Flash Distillation Course Lec 104**

Lesson 25 : **Flash Distillation Animation of a Cascade for an Acetone Chloroform Mixture Lec 111**

Lesson 26 : **Flash Cascade Simulation Case Study 2 with Recycled Streams Lec 113**

Lesson 27 : **Exercise 01 Rachford Rice Equation using K Values from DePirester Chart Lec 133**

Lesson 28 :
Aspen Plus Simulation Multicomponent Flashing Verifying Rachford Rice Equation Method Lec 136

Lesson 29 : **Flash Distillation Course Wrap Up Lec 137**

Related courses

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