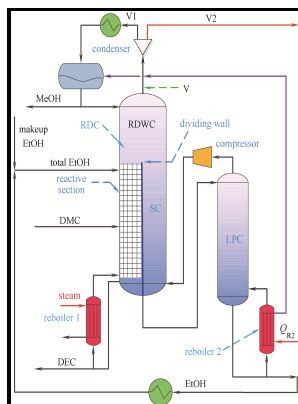


Studies on heat pump assisted distillation.

University of Salford - Distillation technology



Description: -

-Studies on heat pump assisted distillation.

-Studies on heat pump assisted distillation.

Notes: MSc thesis, Chemical Engineering.

This edition was published in 1984



Filesize: 69.74 MB

Tags: #THE #ECONOMICS #OF #HEAT #PUMP #ASSISTED #DISTILLATION #SYSTEMS. #3. #A...

Recently developed heat pump assisted distillation configurations: A comparative study

The best scheme was selected based on economic evaluation utility cost and TAC reduction. Fischer-Tropsch synthesis in a bottom split reactive dividing wall column. Using the established norms for the control of mechanical vapor compression heat pumps, a control scheme is proposed for the heat pump assisted distillation column for the ethanol—water system.

Recently developed heat pump assisted distillation configurations: A comparative study

Chemical Industry and Engineering Progress, 36, 1-7.

Distillation technology

The comparison between the two schemes was systematically studied for binary mixture of non-azeotropic benzene-toluene system. Separation Science and Technology 2017, 52 8 , 1387-1396.

[PDF] Mastering Heat Pumps Selection for Energy Efficient Distillation

Existing studies have shown that azeotropic distillation technology can produce higher purity target products than conventional distillation for the separation and purification of azeotropic or near-boiling compounds. Especially, great breakthroughs have been made in the research and development of petrochemical technology, which promotes the sustainable development of petrochemical industry. The research progress in separation is reflected in product separation and product purification, and the research progress in energy saving is reflected in heat pump distillation and dividing wall column distillation respectively.

Related Books

- [15 American artists](#)
- [Cases summarily disposed of on motion in the United States Supreme court.](#)
- [Family litigation manual--New York](#)
- [Why the universe is the way it is](#)
- [Sicilian chronicles - one familys story](#)