

عنوان مقاله:

Heat duty of distillation columns for Ethane-Ethylene separation

محل انتشار:

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خلاصه مقاله:

In this article the simulation of ethane – ethylene separation in an olefin plant by heat integrated distillation columns is presented. The results are compared with that of distillation columns in series, parallel sequence and single column arrangements in terms of economical efficiency. The most important constraint is where two columns are not structurally similar due to different operational pressure of 2000 kPa in the first one and 1100 kPa in the second one. As a result it is wise to use heat integrated system for columns with low pressure difference with the utility price increase.

کلمات کلیدی:

Column sequencing , Heat integrated distillation column, ethane-ethylene separation

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