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### Comparison of Flowsheets for THF/Water Separation Using Pressure-Swing Distillation

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**Highlights**

- Two flowsheets are compared for separating THF and water using pressure-swing distillation.
- One design proposed in 1985 used engineering heuristic optimization.
- The other recently proposed design used rigorous nonlinear programming optimization.
- The energy consumption of the 1985 design is 14% lower than that of the modern design.

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