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The Effect of Geometric Parameters on Multi-stream Parallel Flow Plate-Fin Heat Exchangers' Effectiveness and Pressure Loss

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To design the heat exchanger, whose effectiveness and pressure loss meet the process requirements, by using the minimum volume, the effects of geometric parameters on multi-stream parallel flow plate-fin heat exchangers' effectiveness and pressure loss should be studied. Using both numerical and experimental methods, this paper studies these effects. The results obtained in this paper are valuable for the optimum design of multi-stream plate-fin heat exchanger.

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