

عنوان مقاله:

Vortex generators and heat transfer efficiency

محل انتشار:

هفتمین کنفرانس بین المللی شیمی و مهندسی شیمی (سال: 1399)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

review was conducted with regards to functions of vortex generator structures to increase the heat transfer efficiency. Vortex generator are among the important structure to impose intense turbulence in fluid stream used to improve the heat transfer between the flow and the surfaces. A review of the results of previous research found the vortex generators can enhance the heat transfer rate to 150%, and in certain cases the heat transfer rates about 2.5-3 times higher in compression with the plain one. Therefor, it is believed that the different vortex generator structure can posses great polantial to enhance heat transfer efficiency in various applications especially involved low and high .temperature conditions

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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