

chemical reactor analysis and pdf

A chemical reactor is an enclosed volume in which a chemical reaction takes place. In chemical engineering, it is generally understood to be a process vessel used to carry out a chemical reaction, which is one of the classic unit operations in chemical process analysis. The design of a chemical reactor deals with multiple aspects of chemical engineering.

Chemical reactor - Wikipedia

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Vessel complexity and limited graphite lifetime (4 years) in contact with the molten fuel salt, oriented ORNL towards the construction of a simpler single-fluid reactor design: the Molten-Salt Reactor Experiment (MSRE)

(MacPherson, 1985). This 8 MWth test reactor went critical in 1965 and operated with great success in a thermal neutron spectrum for 4.5 years until its shut down in December 1969.

The molten salt reactor (MSR) in generation IV: Overview

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