



Product Code . JL-ET-6647

Cascade Continuous Stirred Tank Reactor JLab

Description

Cascade Continuous Stirred Tank Reactor

- This set-up is used to study a non-catalytic homogeneous second order liquid phase reaction under ambient condition.
 - The setup comprises of three CSTR arranged in series and two feed tanks through which two reactants are fed to the reactor.
 - The flow rate of chemicals is controlled by individual Rota meters.
 - The circulation of feed inside the reactor is provided by compressed air.
 - Reactants from feed tanks enter in the first CSTR and are passed to second CSTR and so on.
 - Different side ports are provided to collect the samples for analysis.
 - Pressure Regulator, Pressure Gauge and Safety Valve are fitted in the compressed air line.
 - APPLICATION:-
 - To study the performance of Cascade of three equal volumes CSTR's in series for the saponification of a reaction.
 - To draw the performance chart for the reactor system and evaluate the reaction rate constant at ambient condition.
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