

Product Name :
Isothermal Semi Batch Reactor**Product Code :**
ALABS-A104-104**Description :****Isothermal Semi Batch Reactor**

An isothermal semi-batch reactor is a semi-closed device with one enter circulation. It's operated below prerequisites like Isothermal (Temperature of Response Mass continues to be consistent) and completely blended (composition of response combination is uniform all the way through).

This set-up is used to review a non-catalytic homogeneous response underneath isothermal situation. The arrange contains a Reactor geared up in a continuing temperature water tub. Earlier than beginning the response the reactor charged with measured amount of 1 reactant. From a feed tank any other reactant is fed to the reactor. The usage of a sampling pipette samples may also be taken out for diagnosis after mounted interval. Rotameter is supplied to measure the go with the flow of Chemical substances. The magnetic power pump is used for circulation of feed. One stirrer is equipped for mixing the reactants in reactor and different is equipped in water tub to maintain the uniform temperature right through within the tub. The temperature of tub will also be maintained from ambient, to 70C with the lend a hand of Digital Temperature indicator Cum Controller

Experiments

- To review a 2nd order sponification response in a Semi-Batch Reactor
- To decide the Response Fee Consistent

Utilities Required

- Water Provide & Drain
- Electrical energy 1.5kw, Single
- Gadgets, Laboratory Glassware and Chemical substances required for prognosis as per the device adopted



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