

Product Name :
Plug Flow Reactor (Straight Tube Type)**Product Code :**
ALABS-A56-021**Description :****Plug Flow Reactor (Straight Tube Type)**

In an ideal Plug Flow Reactor (PFTR) there is no mixing in the direction of flow and complete mixing perpendicular to direction of flow. Concentration of reactants varies along the length of reactor but not in radial direction: This set-up is used to study a non-catalytic homogeneous reaction under ambient condition.

The set up consists of two feed tanks through which two reactants are fed to the reactor. Rotameters are provided to measure the individual flow of Chemicals. The flow rate can be adjusted by operating the needle valves provided on respective Rotameter. The magnetic drive pump is used for circulation of feed. A straight tube type reactor kept horizontally and inclined upward at outlet from where samples are collected for analysis

Experiments

- Sponification Reaction Study in straight tube Plug Flow Reactor.
- To determine Reaction Rate Constant

Utilities Required

- Water Supply & Drain
- Instruments, Laboratory Glassware and Chemicals required for analysis as per the system adopted



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