

**Product Name :**  
Continuously Stirred Tank Reactor**Product Code :**  
ALABS-A56-023**Description :****Continuously Stirred Tank Reactor**

In an ideal CSTR the contents in reactor are well mixed and have uniform composition throughout. Thus the exit stream has the same, composition as the fluid within the reactor. This type of reactor is known as mixed flow reactor. This set-up is used to study a non-catalytic homogeneous second order liquid phase 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. The CSTR is fitted with stirrer for proper mixing. From top outlet of it samples are collected for analysis

**Experiments :**

- Sponification Reactor studies in CSTR
- To determine the Reaction Rate Constant

**Features :**

- Continuous operation
- Superb Painted structure
- Simple to operate & maintain
- Compact & stand alone set up
- Soundless Stirrers

**Utilities Required :**

- Water Supply & Drain
- Electricity Supply: 1 Phase, 220 V AC, 0.5 kW
- Instruments, Laboratory Glassware and Chemicals required for analysis as per the system adopted



## Equipments Exporters

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