

Microlabequipment-Cascade Continuous Stirred Tank Reactor Peristaltic Pump Feed System manufacturer in india (MTCRE-103B)



CRE Lab- homogeneous

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EXPERIMENTATION:

To study the performance of Cascade of three equal volumes CSTR's in series for the sponification of a reaction.

To draw the performance chart for the reactor system and evaluate the reaction rate constant at ambient condition.

UTILITIES REQUIRED:

Electricity Supply: Single Phase, 220 V AC, 50 Hz, 5-15 Amp combined socket with earth connection. Earth voltage should be less than 5 volts.

Water Supply.

Floor Drain.

Instruments, Laboratory Glassware and Chemicals required for analysis as per the system adopted.

Specifications:

Reactor (3Nos.): Material Stainless Steel, Capacity 1 Ltr.(Approx.)

Agitator: Material Stainless Steel Impeller and shaft coupled with FHP motor

Feed Tank (2Nos.): Material Stainless Steel, Capacity - 20 Ltrs. (Approx.)

Feed Circulation : By Peristaltic Pump (2Nos.)

Piping: Stainless Steel and Silicon pipe

Control Panel comprising of: Standard make on/off switch, Mains Indicator etc.

An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus

The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.

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