

Microlabequipment-Isothermal Continuous Stirred Tank Reactor Peristaltic Pump Feed System manufacturer in india (MTCRE-102B)



CRE Lab- homogeneous

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Description :

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EXPERIMENTATION:

Saponification Reaction study in Isothermal CSTR.

To determine the Reaction Rate Constant and effect of temperature on it.

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 :** Material Stainless Steel, volume 2Ltr (Approx.).
- **Water Bath :** Material Stainless Steel, Double wall, insulated with Ceramic Wool
- **Heater :** Ni-chrome wire Heater Agitator : Material Stainless Steel Impeller and shaft coupled with FHP motor
- **Feed Tank :** Material Stainless Steel (2Nos.), Capacity-20 Ltrs. (Approx.)
- **Feed Circulation :** By Peristaltic Pump (2Nos.) Piping : Stainless Steel and silicon pipe.
- **Temperature Sensor :** RTD PT-100 type
- **Control panel comprises of :**
- **Digital Temp. Controller**_____

With 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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