

## Microlabequipment-R.T.D. Studies In Continuous Stirred Tank Reactor Constant Head Feed System manufacturer in india (MTCRE-104C)



### RTD Reactions:

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### Description :

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### EXPERIMENTATION:

- To plot RTD curve for a CSTR. Using pulse tracer.
- To determine the Dispersion No.

### 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, capacity 2Ltrs. (Approx.)
- **Agitator** : Material Stainless Steel Impeller and shaft coupled with FHP motor
- **Impeller** : Material Stainless Steel, 4 square bladed (1No.)
- **Baffles** : Material Stainless Steel (4Nos.) Detachable, symmetrically placed
- **Feed Tank** : Material Stainless Steel, Capacity - 20 Ltrs. (Approx.)
- **Feed Circulation** : By Polypropylene magnetic pump
- **Flow Measurement** : Rotameter.
- **Piping** : Stainless Steel and PVC/PU pipe.
- **Stop Watch** : Electronic
- **Control panel comprises of** : With Standard make on/off switch, Mains Indicator etc.

Arrangement is done to inject tracer into the reactor.

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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