

Product Name :
Emulsion Polymerization Reactor**Product Code :**
ALABS-A104-483**Description :****Emulsion Polymerization Reactor**

The set-up consists of jacketed type SS reactor fitted with a variable speed agitator & baffles. Hot water from a digitally controlled water bath is circulated in the jacket using a pump. Metered quantity of nitrogen gas from a cylinder passes through a de-oxygenation column & allowed to enter in the reactor. Air has to be evacuated using a vacuum pump to create vacuum up to 30mm of Hg before passing the nitrogen supply. Initiator from reservoir is supplied to the reactor under pressure. Set-up is complete & self-contained with sampling ports.

Experiments:

- Effect of monomer concentration
- Effect of Initiator concentration.
- Effect of emulsifier concentration.

- Effect of RPM on conversion

Utilities Required:

- Water supply and drain.
- Electricity- 1.5kw, Single.
- Instruments, Laboratory wares and Chemicals required for analysis as per the system adopted.
- Vacuum Pump
- High purity N2 gas



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