

Product Name :
Transparent Batch Reactor

Product Code :
TEST5179RFQLAB-0003



Description :

Transparent Batch Reactor

Technical Specification :

Transparent batch reactor

A small-scale batch reactor for use with the chemical reactors service unit designed to demonstrate both adiabatic and isothermal operation accessory is recommended for isothermal operation).

The Transparent batch reactor is a double-skinned glass vessel with a one-litre internal working volume, fitted with a variable-speed agitator.

Hot water from the cold water from the can be circulated through the jacket for temperature control purposes maintaining the reactor contents at constant temperature.

Glands in the clear acrylic lid allow the conductivity and temperature probes to be fitted to facilitate monitoring of the reactions in progress such as the important saponification reaction. Isothermal and adiabatic operation reactions may be demonstrated.

For adiabatic operation, the use of dyes enables the chemical reaction rates to be monitored visually by the change in colour at different degrees of conversion.

