

**Product Code . JL-TWL-9159**

## Combined Flow Reactor



### Description

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Combined Flow Reactor

#### Specification:-

Stirrer for MFR: Stainless Steel Impeller and shaft coupled with FHP motor JLab make

Feed Tank: Material Stainless Steel, Capacity - 20 Ltrs.

1st Reactor: Material Stainless Steel, Capacity 0.7 Ltrs. (approx)

2nd Reactor: Material Stainless Steel, Capacity 2 Ltrs (approx).

Feed circulation: By compressed air.

Pressure Gauge: Bourdon type 0-2 Kg/cm<sup>2</sup>

The whole set-up is ingeniously designed and schematically arranged on a powder-coated rigid structure.

Flow Measurement: Rotameter 2 Nos. (one each for Reactants)

Piping: Stainless Steel and PVC

Pressure Regulator: 0-2 Kg/cm<sup>2</sup>

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**Objectives:-**

Sponification Reaction Study in Coil Tube Type Plug Flow Reactor

Sponification Reaction Study in an MFR.

Sponification Reaction Study in a Combined Reactor

To determine Reaction Rate Constant.

**Required for Operation:-**

Water Supply & Drain

Compressed Air Supply at 2 Bar, 0.5 CFM.

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

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