

## **OVERVIEW/Description**

Senco Jacketed Reactors are a boon for R&D Scientists and Chemical Engineers. The Reactor setup is complete with benchtop stand, overhead stirrer, reflux condenser, pressure equalizing drip funnel and reactor vessel with 5-neck cap. 250ml, 500ml and 1000ml reactors have PTFE cap with interchangeable body. Similarly 2000ml, 3000ml and 5000ml reactors have glass cap with interchangeable body. Known for its best in class heat transfer rates, Senco glass reactors can be installed and configured within minutes and fit easily in most benchtop hoods.

Senco Glass reactors are developed by sticking to the basics, keeping in mind safety of the user and focusing on giving desired results. They enable to achieve desired results affordably and are backed by trustworthy service. The Cap Style reactor is simple yet accurate, basic yet precise, up to the mark on performance and friendly on budget.

These Jacketed Reactors are used for a variety of applications including:

- Common Chemical Reactions Liquid/Liquid, Liquid/Solid
- Distillations
- Reflux Boiling
- Azeotropic Distillation (Phase Separation)
- Evaporation to any desired consistency
- Multi-component Reactions
- Gas dispersion below liquid surface
- Crystallization
- Mixing
- And many more....

## **Features/Benefits**

### **Vacuum Sealing system**

Specially designed and precisely manufactured Anti-corrosion and Wearable Sealing Systems in these Jacketed reactors enables to reach ultimate vacuum rates of less than 3 Torr. High quality material leads to longer seal life and hence about 90% of the users did not replace the seal in one year.

### **Technical specifications**

**Parameters**

<b>Model</b>	<b>FC202</b>
<b>Reaction Flask (L)</b>	2L, Bottom Discharge
<b>No. of Necks on Cap</b>	5
<b>Flush Diameter (mm)</b>	Ø10
<b>Rotation (rpm)</b>	20-460
<b>Max Torque (Ncm)</b>	180
<b>Diameter of Stirring Rod(mm)</b>	Ø10
<b>Power</b>	220V
<b>Dimensions (cm)</b>	51x42x120H

### Functional Configurations

<b>Charging Valve</b>	✓
<b>Seal Assembly</b>	PTFE
<b>Bottom Side Discharge</b>	✓
<b>Thermometer Tube</b>	✓
<b>Rotation Speed Display</b>	✓
<b>Reflux Condensing</b>	✓
<b>Distillation Receiving</b>	Optional (0.5L)
<b>Drip System (L)</b>	0.25L
<b>Tangent Style Jacket inlet/outlet</b>	M18-Ø12