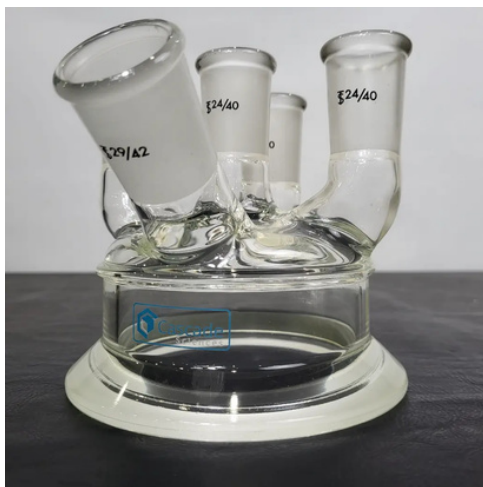


1-Liter Jacketed Reactor System



A 1-liter glass laboratory reactor is an essential piece of equipment used in scientific research and development for conducting chemical reactions, synthesis, and other experimental processes on a small scale. This item includes borosilicate glass construction, known for its excellent thermal and chemical resistance, allowing scientists to observe reactions visually through its transparent design. It is equipped with features such as a jacketed vessel for precise temperature control, providing the capability for heating or cooling using an external bath. The reactor includes ports for the insertion of sensors, probes, or additional reactants and is connected to a stirring mechanism to ensure uniform mixing of contents. The 1L size is ideal for pilot studies, offering a balance between manageable volumes and sufficient material to produce meaningful data. Overall, the glass laboratory reactor is a versatile, reliable tool in experimental chemistry, biotechnology, and material science.

- **1L Capacity**
- **Liquid Jacket**
- **Temperature Range: -90°C to +200°C**
- **Pressure Range: Full Vacuum to Atmospheric pressure**
- **Integrated stir rod - 4 fin paddle design**
- **Integrated thermal probe**
- **Liquid Condenser system**
- **Condenser collection system w/ vent system allows exchange without stopping process**
- **5-Port Lid allows for expansion and customization**
- **Includes adjustable lab stand system**

