

Hydrothermal Autoclave

Approx. **Rs. 6,500** / Piece

Product Details:

Usage/Application Laboratory, Industrial

Material Stainless Steel

Inner Lining Teflon

Material

Chamber Volume 20ml 5ml

Material Stainless Steel



PhotoRoom

The Hydrothermal Autoclave Reactor use to carry hydrothermal reaction at high pressure and high temperature. Hydrothermal synthesis reactor generally comes in a two variety; the first is Polytetrafluoroethylene (PTFE) or Teflon lined hydrothermal autoclave reactors and the second is PPL lined autoclave. Hydrothermal reactor mainly made up of two parts; outer high-quality stainless steel jacket and inner Teflon liner or Teflon chamber.

In the Teflon-lined autoclave, the reaction is carried out at maximum 240-degree Celsius (428 Fahrenheit), while the safe temperature is 200-degree Celsius (392 Fahrenheit). PPL lined reactor use for the reaction operate at higher temperature, where the safe temperature will be 260-degree Celsius (500 Fahrenheit) and the maximum operating temperature is 280-degree Celsius (536 Fahrenheit). This product extensively used in the scientific laboratory, research and development labs, institutional organizations, quality analysis section in industries etc.

❖ **Features:**

- Easy to handle.
- Threads are very smooth to lock and unlock.

❖ **Specifications:**

- Teflon Chamber of volume 10-2000 ml as per user needs
- Maximum temperature: 220 degree
- Maximum Working Pressure: 3MPa
- Heating, Cooling rate: 5 °C/ min