

CONTINUOUS STIRRED TANK REACTOR (CSTR)

RU 105

Description:

Chemical reactions take place in reactors. These reactions are conducted to change raw materials to desired materials in chemical processes. Chemical reactors are tanks designed to carry out a chemical reaction. The design of chemical reactors deals with chemical engineering concepts. In the industry, there are various types of chemical reactors such as continuous stirred reactors, semi-continuous reactors and discontinuous reactors.

Specifications:

- Reactor with cooling coil and heating element
- Working pressure of 10 bar discontinuously and Continuously 5 bar pressures
- Working temperature up to 120 degrees Celsius
- 3 liters stainless steel reactor
- Stainless steel feed and product tanks
- Magnetic Stirrer
- Connections and pipes
- Thermocouples
- Condenser
- Pumps
- Pressure Gauge and pressure switch
- High Pressure Valves
- Electrical control panel with displays and switches
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigating the effect of fluid flow on reaction process
2. Investigating the effect of reactor temperature on reaction process
3. Investigating the effect of contact time on reaction process

Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1200x 700 x 1700

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