

Experimental Type - Glass Reactor

The experimental glass reactor is a common laboratory device, mainly used for chemical experiments, small-scale production, and visual observation of the reaction process. It is usually made of high borosilicate glass, featuring excellent chemical stability and transparency, and capable of withstanding certain temperatures and negative pressures.

Mechanical Stirring Seal

Wear-resistant and corrosion-resistant, oil-free self-lubricating. It can work in an environment with relatively drastic temperature differences

Threaded Grinding Joint

Reliable connection and convenient installation and disassembly

Quick-opening Fixture

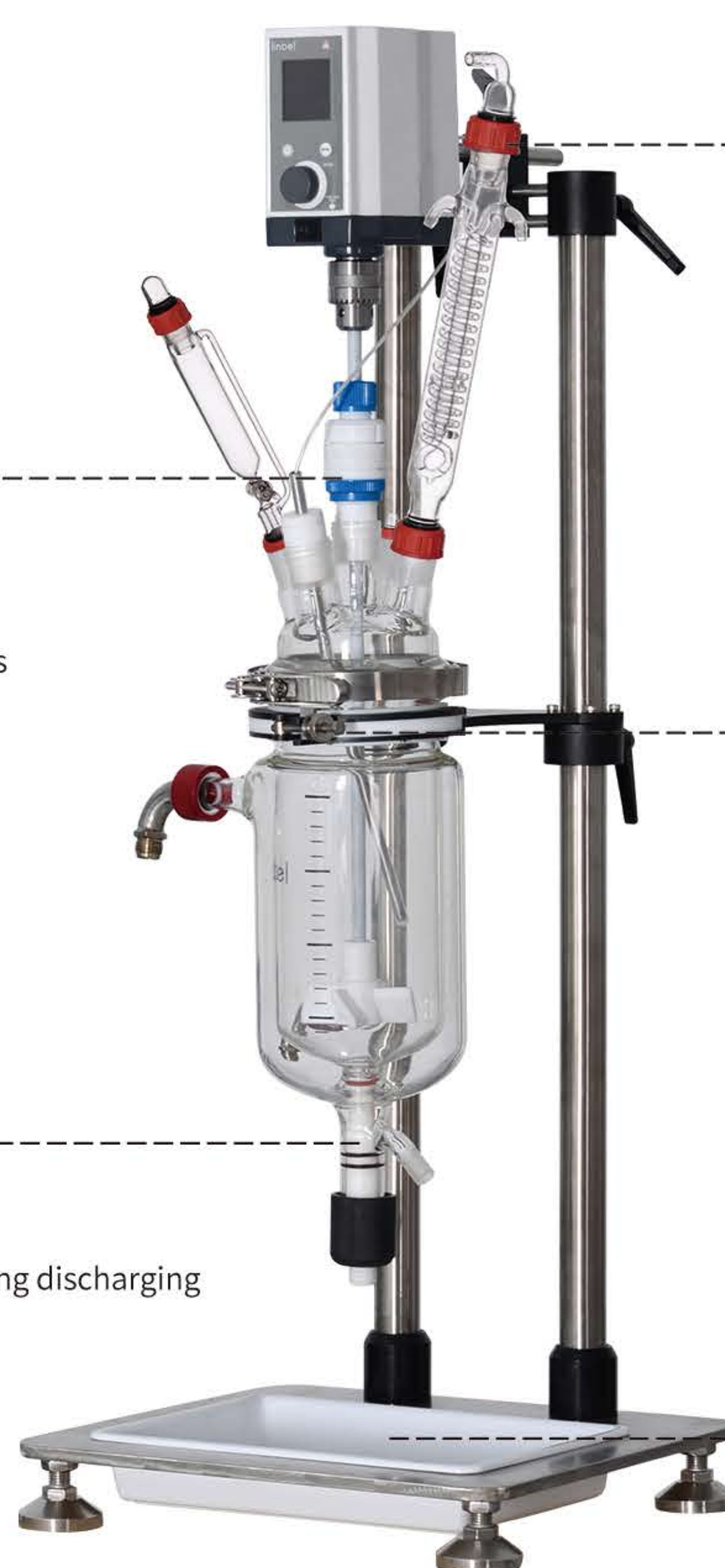
The reactor body is connected to the reactor cover with a quick-release fixture, and a PTFE skeleton is placed in the middle

PTFE Discharge Valve

The top-mounted inclined discharging method ensures no liquid accumulation and no leakage during discharging

Collection Tray

Collect effectively during the reaction process
The generated liquid product or precipitate



GR-2L

Characteristics

- The complete set of glassware is made of 3.3 high borosilicate glass.
- It can be used within the range of low temperature (-90°C) to high temperature (200°C).
- It can operate under normal pressure and negative pressure conditions, and the vacuum degree can reach 0.095MPa.
- The cooling or heating solution in the interlayer can be completely drained after the reaction without any liquid accumulation.
- A plug or discharge valve made of Teflon +FV rubber.

Parameters

Product model	GR-2L	GR-5L
Temperature range (°C)	-90°C~220°C	
Power supply	220V/110V, 50/60Hz	
Volume (L)	2	5
Total power/motor power	220W / 150 W	150W / ≤105W Low speed boost (1:2)
Pot cover Φ (mm)	150	205
Reactor body Φ (mm)	150	225
Inner liner Φ (mm)	120	180
Main material	Double-layer glass, high borosilicate glass GG17, with an expansion coefficient of 3.3	
Top cover interface	Stirring port #29, condensation port #29, dropping port #29, temp. measurement port #2, exhaust port #29	
Thermometer sleeve	Stainless steel package PFA, bendable	
Constant pressure funnel	250ML	
Condenser tube	Diameter: 40mm	Diameter: 45mm
Sealing method	Self-lubricating mechanical seal, preventing wear debris from falling off	
Rotational speed	0-400 rpm	
Type of stirring paddle	Single-layer propulsion type	
Discharge valve	Top-mounted type	
Pallet	PP material	

Suggested Match



Mini cool



Recirculating Chiller

Dynamic Temp.
Control Equipment



GDX-302A