



Jacketed Glass Reactors



Ai R-series single and dual jacketed glass reactors are designed for synthetic reactions of different types of materials while under a controlled temperature and vacuum environment. Each reactor features adjustable stirring speeds and a constant pressure feeding funnel that allows you to add material to the vessel at a uniform and controlled speed. The built-in condenser makes it possible to recover some materials, also at a controlled rate of speed.

Model	R10	R20	R50	R100
Reaction Vessel Capacity	10 Liters	20 Liters	50 Liters	100 Liters
Electrical Requirements	110V 60Hz 1-PH, 90W	110V 60Hz 1-PH, 90W	110V 60Hz 1-PH, 140W	110V 60Hz 1-PH, 250W
Cooling/Heating Jacket Capacity	3 Liters	6 Liters	16 Liters	30 Liters
Drain Port Ground Clearance	15 inches	13 inches	12.5 inches	13.5 inches
Unit Height (Fully Assembled)	78 inches	80 inches	88 inches	98 inches
Controller	Digital controller with variable frequency drive. Rotation speed: 50 to 500 rpm			
Glass Vessel Temperature Range	-110 °F to 400 °F / -78 °C to 204 °C			
Glass Material	High borosilicate glass 3.3			
Agitator	Anchor design, type-304 stainless steel reinforced with PTFE coating			

FEATURES

- FREE high quality thermo insulation jacket included. Extends chiller life and allows for achieving colder temperatures. Helps save money on utility bills, too!
- Dual jacketed model allows you to draw vacuum from the outer jacket, thus protects your recirculating fluid temperature and giving you the best possible control over your work. The dual jacket prevents frost from forming on the outside of the vessel, allowing you to see your material clearly.
- Solvent-resistant PTFE on all sealing components for long term durability.
- All glassware is hand-made from high borosilicate glass.
- Patented PTFE stirring rod bearings provide reliable and quiet operation.
- Optional multi-layered stirring blades for optimal reaction results.
- Wide range of temperature operations, from -110°F to 400°F.



Free with purchase



- Rugged stainless steel reinforced PTFE stirrer with anchored agitator, suitable for a wide range of viscous materials.
- Easily visual operation with digital speed and temperature displays.
- Heavy duty stainless steel supporting framework with lockable casters for mobility and stability.

