

Lab1st JGR-EVP series jacketed glass reactors are mainly designed for evaporation. It consists of a vertical larger condenser and larger collection tank. Moreover, each reactor consists of a corrosion resistant jacketed glass reaction vessel, PTFE coated variable speed stirrer system, temperature probe and digital display, and other accessories like feeding funnel, coiled condenser and bottom discharge valve.

It also can be fully customizable to fulfill various needs, like high torque high speed agitation, baffled reaction vessel, programmable controller, explosion proof or air driven motor, a insulation jacket or 3rd layer of glass vacuum jacket and so on.



Glass Evaporation Reactor

Features:

- Larger vessel opening design, easier to clean
- All PTFE seals to increase durability and longevity
- Rugged, High RPM stirring motor for superior stirring power
- Easily visual operation with digital speed and temperature displays
- Wide range of temperature from -80°C to 250°C
- Durable stainless steel supporting framework with casters for mobility and stability
- Large condenser to protect the solvent and make recovery

Technical Data:

Model	JGR-100L-EVP
—— TECHNICAL DATA ——	
Glass Vessel Temperature Range	-120°C~250°C
Working Pressure Range	-0.1Mpa~Atm
Glass Material	High Borosilicate Glass
Vacuum Sealing	Machinery Seal
—— ELECTRICAL DATA ——	
Voltage [V]	110 220
Phase [P]	1
Frequency [HZ]	50/60
Total Power [W]	200
—— GLASS VESSEL ——	

Volume	100L
Vessel Pressure	-0.1Mpa~Atm
Jacket Volume	30L
Jacket Pressure	≤0.05Mpa
Interface between Vessel and Drain Valve	80mm Flange
Drain Valve Port	32mm Barb
Jacket Port	G 3/4" Male Thread
——REACTOR LID——	
Port 1 [Thermometer]	DN25 Flange
Port 2 on the Lid [Vacuum Suction]	34mm Grinding Straight Joint
Port 3 on the Lid [Solid Inlet]	80mm Flange
Port 4 on the Lid [Constant Pressure Funnel]	OD50.5 Tri-clamp
Port 5 on the Lid [Reflux]	50mm Ball Mill Joint
Port 6 on the Lid [Stirring]	60mm Flange
——CONDENSER——	
Condenser Diameter [mm]	160
Condenser Height [mm]	730×2
Condenser Area [m ²]	2.08
Vacuum Port on the Condenser	12mm Barb
Condenser Liquid Inlet & Outlet Port	15mm Barb
Liquid Drain Port	60mm Flange
——AGITATOR——	
Rotation Speed [rpm]	0~600
Rotation Controller	Frequency Control
Motor Power	200
Reduction Gearbox	1:3
Blade Layer	2 Layers
Blade Material	PTFE
——WEIGHT DIMENSION——	
Unit Dimension [mm]	850×730×2550
Unit Weight [Kg]	180

Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)
Weight (kg)	Total capacity
Product Serial No. 9053	2025-04-16 18:00:03

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.