

Jacketed Glass Reactor

Application:

Jacketed glass reactors are designed for synthetic reaction of different types of materials in 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.



Features:

- * GG17 high borosilicate glass, with good chemical and physical properties.
- * The evaporation and back-flow of reaction material can be controlled.
- * The heat of reaction could be taken away quickly through water, cycling in the jacketed glass.
- * The design of large bottle mouth, easier to clean.
- * It can be used as a distillation syntheses device.
- * The sealing performance is 0.098 Mpa.
- * LCD display, easier and more convenient to measure temperature.

Optional Equipment:

- * Circulating water vacuum pump: (JGR-1L~5L, recommend mode SHZ-DIII, JGR-10L~100L, recommend model SHZ-95B)
- * Refrigerated Circulator
- * Circulating water/oil bath

Technical Parameters:

Model	JGR-1L	JGR-2L	JGR-3L	JGR-5L	JGR-10L	JGR-20L	JGR-30L	JGR-50L	JGR-100L
Reaction Flask Capacity	1L	2L	3L	5L	10L	20L	30L	50L	100L
Stirring Power	60W				120W				180W
Stirring Speed	0~600rpm(Max. 1300 customized)								
Stirring Shaft Diameter	12mm								15mm
Motor Torque(g/cm)	2000	2400	4800		1000	1200	1500		3000
Power Supply	AC110/220V, 50/60Hz								
Package Size (W*D*H)	1260*430*460mm		1300*580	1310*600	1230*610	1320*630	1650*660*780mm		1840*720
			*540mm	*540mm	*750mm	*750mm			*910mm
Gross Weight	40kg	40kg	53kg	56kg	81kg	85kg	100kg	108kg	151kg

High Pressure Reactor



Application:

The Reactor is a stirring device for reacting gas-liquid, liquid-liquid, liquid-solid or gas-liquid-solid materials. It can fully stir and react various chemical materials under higher pressure, vacuum and temperature. It is a non-leakage reaction equipment for vulcanization and hydrogenation in petroleum, chemical organic synthesis, polymer material polymerization, food and other processes.

Features:

- * Real-time monitoring of reaction pressure in the kettle.
- * High power agitator motor, strong and stable performance.
- * Using static sealing structure, the stirrer and the motor drive are connected by a magnetic coupling.
- * The medium and mixing parts are completely sealed to work.

Technical Parameters:

Model	HPR-0.5L	HPR-1L	HPR-2L	HPR-3L	HPR-5L	HPR-10L	HPR-20L	HPR-50L	HPR-100L
Capacity(L)	0.5	1	2	3	5	10	20	50	100
Pressure(MPa)	22							10	6
Temp(°C)	350								
Stirring Speed(r/min)	50~1000				50~600				
Material	SS304/SS316/Hastelloy alloy								
Heating Power(kW)	1.5	1.5	2	3	4	8	10	15	18
Power Supply	Standard: 220V, 50/60Hz; optional: 110V, 50/60Hz				Standard: 220V, 50/60Hz; optional: 380V, 50/60Hz				
Packing Size(mm)	620*480	490*690	740*590	770*520	840*590	1040*690	1020*670	980*800	990*840
	*1430	*1490	*1590	*1580	*1650	*1450	*1430	*1570	*1730
Gross Weight(kg)	100	101	150	170	196	218	280	480	680