

## S212 Series Jacketed Glass Reactor



This S212 Series glass reactor can be designed to be double glass reactor or three layers of glass reactor. The inner layer adding the reactant to stirrer, jacketed layer can through the heating oil or coolant to do the distillation/cooled reaction. It takes reaction under normal pressure or negative pressure and constant stirring. It is an ideal equipment for chemistry, fine-chemical, bio-pharmaceuticals, and the synthesis, test, and production of new materials. such as combination, reaction, separation, concentration, etc.

The reactor can be a system with vacuum pump, chiller/ heater and heating & cooling circulating device.

### Feature

GG-17 high borosilicate glass has good chemical-physical attribute.

Low speed booster motor; High torque; no spark; frequency control, smooth operation.

PTFE rotary seal assembly; Patented product; High vacuum degree and long useful life.

PTFE discharge valve, discharge completely and quickly, no leak/pollution to the solvent.

PTFE stirring paddle, suitable for low and high viscosity liquid stirring and mixing.

Selection of our company's heating and cooling circulating device, we match standard connector and the suitable connection pipe.

Model	S212-1L	S212-2L	S212-3L	S212-5L
Reaction Capacity	100ml~1L	200ml~2L	500ml~3L	500ml~5L
Jacketed Volume	1	1.5	1.5	2
Port no. on the lid	4+1	4+1	4+1	4+1
Charging Valve	24#	24#	24#	24#
Thermometer Tube	24#	24#	24#	24#
Condenser	34#, spherical condenser			34#, spiral condenser

Reflux separator	-/Optional			34#, ball mill mouth
Constant pressure drop funnel	29#, 250ml	29#, 250ml	29#, 250ml	29#, 250ml
Discharge valve	With the glass vessel		DN50 Flange	
PTFE Stirrer	Standard	Anchor type		Four-blade type
	Optional	Frame type, multi-layered type		
Connect Tube	According the high temperature equipped			

Model	S212-10L	S212-20L	S212-30L	S212-50L
Reaction capacity	2L~10L	2L~20L	5L~30L	5L~50L
Jacketed volume	3L	6L	10L	16L
Port no. on the lid	5+1	5+1	5+1	5+1
Stirrer port	50#			
Charging valve	34#			
Solid feeding port	DN80 Flange			
Thermometer tube	DN25 Flange	DN25 Flange	DN25 Flange	DN25 Flange
Condenser	Spiral condenser			
Reflux separator	50#, ball mill mouth			
Constant pressure drop funnel	40#,1000ml	40#,1000ml	40#,2000ml	40#,2000ml
Discharge port	DN60 Flange			
PTFE Stirrer	Standard	Four-blade type		Four-blade type, two-layer
	Optional	Frame type, multi-layered type		
Connect tube	According the high temperature equipped			

Model	S212-80L	S212-100L	S212-150L	S212-200L
Reaction capacity	10L~80L	10L~100L	25L~150L	30L~200L
Jacketed volume	24L	30L	35L	40L
Port no. on the lid	5+1	5+1	5+1	5+1
Stirrer port	60#			
Charging valve	34#			
Solid feeding port	DN80 Flange			
Thermometer tube	DN25 Flange	DN25 Flange	DN25 Flange	DN25 Flange
Condenser	Spiral condenser			
Reflux separator	50#, ball mill mouth			
Drop funnel	40#,2000ml	40#,2000ml	5L	10L
Discharge port	DN60 Flange		DN100 Flange	
PTFE Stirrer	Standard	Four-blade type, two-layer		Four-blade type, three-layer
	Optional	Frame type, multi-layered type		
Connect tube	According the high temperature equipped			