

FISCO Reactor System

FLUKO®

Glass reactors are suitable for chemical reactions in laboratories and industries. Such as: decomposition reaction, compound reaction, metathesis reaction, redox reaction, electrochemical reaction, hydrolysis reaction, esterification reaction, saponification reaction, polymerization reaction, etc. The system is modular in design, and the processing capacity is from 10L to 100L. It is flexible, reliable and durable. It has complete accessories such as multifunctional mixing, vacuum, distillation and condensation, and can be replaced or integrated with other components at any time.



Order #	6800010	6800020	6800030
Model	G10	G20	G30
Power supply	220V , 50/60Hz	220V , 50/60Hz	220V , 50/60Hz
Vessel capacity	10L	20L	30L
Glass material	High borosilicate glass GG-17	High borosilicate glass GG-17	High borosilicate glass GG-17
Stand material	SS304	SS304	SS304
Vessel cover material	High borosilicate glass GG-17	High borosilicate glass GG-17	High borosilicate glass GG-17
Vessel cover diameter	265mm	265mm	265mm
Cover ports	7	7	7
Mixer motor power	120W	120W	180W
Speed adjustment type	Frequency control	Frequency control	Frequency control
Rotation speed range	50~400rpm	50~400rpm	50~400rpm
Temperature range	-60~200°C	-60~200°C	-60~200°C
Digital display	Rotation speed, medium temperature	Rotation speed, medium temperature	Rotation speed, medium temperature
Type of seal	Mechanical seal	Mechanical seal	Mechanical seal
Maximum vacuum	< 20mbar	< 20mbar	< 20mbar
Material of mixer shaft	SS304 coated with PTFE	SS304 coated with PTFE	SS304 coated with PTFE
Type of agitator	Screw type	Screw type	Screw type
Type of temperature meter	PT100 digital	PT100 digital	PT100 digital
Vacuum meter	Indicator	Indicator	Indicator
Discharging valve	Bottom discharge with PTFE	Bottom discharge with PTFE	Bottom discharge with PTFE
Outlet	Bottom discharge	Bottom discharge	Bottom discharge
Condenser type and heat transfer area of condensation recovery	Double layer screw shape 0.40m ²	Double layer screw shape 0.40m ²	Double layer screw shape 0.40m ²
Constant pressure hopper	500mL	1000mL	1000mL
Divide bottle	250mL with valve	250mL with valve	250mL with valve
Collect bottle	5L - NS24 × 2 with bottom valve	5L - NS24 × 2 with bottom valve	5L - NS24 × 2 with bottom valve
Temperature measurement port	NS24	NS24	NS24
Liquid medium valve/Air intake valve	NS29	NS34	NS34
Condensing port	NS34	NS34	NS34
Spare port	F50 × 2 (PH/conductivity meter by customer)	F50 × 2 (PH/conductivity meter by customer)	F50 × 2 (PH/conductivity meter by customer)
Solid feeding port	SF110	SF110	SF110
Liquid leakage plate	SS316L - removable plate	SS316L - removable plate	SS316L - removable plate
Caster	Load bearing brake casters	Load bearing brake casters	Load bearing brake casters
Vessel bottom valve O ring	FFKM	FFKM	FFKM
Mixing O ring	FFKM	FFKM	FFKM
Vessel cover and diverter valve O ring	coated with PTFE	coated with PTFE	coated with PTFE
Jacket O ring	FKM	FKM	FKM
Other position O ring-blind plate/ bottom valve gasket etc	EPDM	EPDM	EPDM
Thermal insulation sleeve	Available	Available	Available
Overall dimensions	900 × 500 × 1900	950 × 520 × 1950	1000 × 560 × 2050

Order #	6800050	6800100
Model	G50	G100
Power supply	220V , 50/60Hz	220V , 50/60Hz
Vessel capacity	50L	100L
Glass material	High borosilicate glass GG-17	High borosilicate glass GG-17
Stand material	SS304	SS304
Vessel cover material	High borosilicate glass GG-17	High borosilicate glass GG-17
Vessel cover diameter	265mm	340mm
Cover ports	7	7
Mixer motor power	180W	200W
Speed adjustment type	Frequency control	Frequency control
Rotation speed range	50~400rpm	50~400rpm
Temperature range	-60~200℃	-60~200℃
Digital display	Rotation speed, medium temperature	Rotation speed, medium temperature
Type of seal	Mechanical seal	Mechanical seal
Maximum vacuum	< 20mbar	< 20mbar
Material of mixer shaft	SS304 coated with PTFE	SS304 coated with PTFE
Type of agitator	Screw type	Screw type
Type of temperature meter	PT100 digital	PT100 digital
Vacuum meter	Indicator	Indicator
Discharging valve	Bottom discharge with PTFE	Bottom discharge with PTFE
Outlet	Bottom discharge	Bottom discharge
Condenser type and heat transfer area of condensation recovery	Double layer screw shape 0.60m ²	Double layer screw shape 0.60m ²
Constant pressure hopper	2000mL	2000mL
Divide bottle	250mL with valve	250mL with valve
Collect bottle	10L - NS24×2 with bottom valve	20L - NS24×2 with bottom valve
Temperature measurement port	NS24 , on vessel neck	NS24
Liquid medium valve/Air intake valve	NS24+NS34	NS34
Condensing port	NS34	NS34
Spare port	F50×2 (PH/conductivity meter by customer)	F50×2 (PH/conductivity meter by customer)
Solid feeding port	SF110	SF110
Liquid leakage plate	SS316L - removable plate	SS316L - removable plate
Caster	Load bearing brake casters	Load bearing brake casters
Vessel bottom valve O ring	FFKM	FFKM
Mixing O ring	FFKM	FFKM
Vessel cover and diverter valve O ring	coated with PTFE	coated with PTFE
Jacket O ring	FKM	FKM
Other position O ring-blind plate/ bottom valve gasket etc	EPDM	EPDM
Thermal insulation sleeve	Available	Available
Overall dimensions	1050×600×2150	1150×700×2450

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