

FISCO Reactor System

FLUKO®

Fisco lab reactors have a working capacity of 1 L, 2 L, 5 L and 10 L, suitable for dispersing, emulsifying, homogenizing, mixing, reacting, fermenting, cream perperating, polymerizing, and synthesis reacting under vacuum or pressurized conditions. Incorporating a macro mixing system, micro emulsifying system, vacuum system, temperature control system, and multi-sensor detecting system, they can fully simulate industrial production.





Order #	6821001	6822001	6823001
Model	Fisco-1S	Fisco-2S	Fisco-5S
Power supply	220V, 50Hz	220V, 50Hz	220V, 50Hz
Minimum mixing capacity	300mL	500mL	1000mL
Minimum emulsifying capacity	600mL	1000mL	2000mL
Maximum emulsifying capacity	1000mL	2000mL	5000mL
Maximum working temperature	120°C	120°C	120°C
Vacuum condition	-0.092MPa	-0.092MPa	-0.092MPa
Maximum working viscosity	100,000cP	100,000cP	100,000cP
Mixer motor power	50W	50W	50W
Mixer speed range	10-200rpm	10-200rpm	10-200rpm
Standard mixer agitator	Anchor ribbon agitator with scrapper	Anchor ribbon agitator with scrapper	Anchor ribbon agitator with scrapper
Scraper material	PTFE	PTFE	PTFE
Homogenizer motor power	500W	500W	500W
Homogenizer speed range	10000-28000rpm	10000-28000rpm	10000-28000rpm
Standard homogenizer agitator	20DG	20DG	25DG
	Homogenizer opening with hopper	Homogenizer opening with hopper	Homogenizer opening with hopper
Openings on cover	openingthermometer opening, vacuum opening,3 spare opening	openingthermometer opening, vacuum opening,3 spare opening	openingthermometer opening, vacuum opening,3 spare opening
Lifting height	300	300	300
Medium-contact material	SIC, SS316L, borosilicate glass, FKM, PTFE	SIC, SS316L, borosilicate glass, FKM, PTFE	SIC, SS316L, borosilicate glass, FKM, PTFE
Outer diameter of vacuum opening	10	10	10
Jacket inlet/outlet size	12	12	12
Permissible temperature range	5-40°C	5-40°C	5-40°C
Permissible humidity range	80%	80%	80%
Overall dimensions	470 × 420 × 1200	470 × 420 × 1200	470 × 420 × 1200
Weight	~35kg	~37kg	~42kg

Biology
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