

FLUKO Pilot and Production Series

Vacuum emulsion homogenization system

FLUKO®

The new FLUKO vacuum emulsification and homogenization system is synchronized with the European classic design. It can realize the dispersion, emulsification, homogenization, mixing and other production processes of materials in a vacuum or pressure environment; both stirring and homogenization can realize positive and negative rotation, which meets the needs of external connections. Suction of powder and liquid and homogenization of internal and external circulation. The equipment specifications range from 10L to 2000L, meeting the pilot and production needs of various products.

Forward and reverse stirring system, suitable for different viscosity systems.

Torque real-time display module, process viscosity easy monitoring.

Reversible homogenization system, providing homogenization and conveying functions.

Automatic temperature control, taking into account jacket and material temperature.

Digital vacuum device, powder and liquid feeding and rapid defoaming.

Multi-point feeding design, including the kettle body and the bottom of the kettle.

Internal and external double circulation mode, easy to mix various solid-liquid phases.

Reliable CIP and SIP, all-round flushing and cleaning.

Efficient PLC program to meet the production of daily chemical products.

Ultra-high viscosity negative pressure cycle, to meet the cyclic shear defoaming process.



FISCO Pilot and Production Series

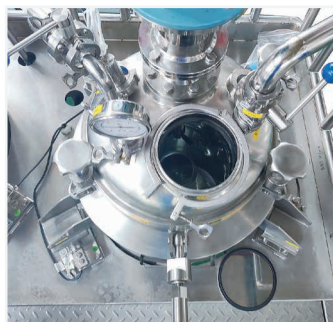
Vacuum emulsion homogenization system



Order#	Fisco-10	Fisco-20	Fisco-50
Power supply	220/380V , 50/60Hz	220/380V , 50/60Hz	220/380V , 50/60Hz
Minimum mixing capacity	1L	2L	5L
Minimum emulsifying capacity	2L (External cycle)	4L (External cycle)	10L (External cycle)
Maximum emulsifying capacity	10L(Internal homogeneity)	20L(Internal homogeneity)	50L(Internal homogeneity)
Maximum working temperature	According to the user's working	According to the user's working	According to the user's working
Vacuum degree	conditions to design	conditions to design	conditions to design
Maximum processing viscosity			
Stirring motor power			
Stirring speed			
Mixer arrangement	Anchor type with scraping wall agitator	Anchor type with scraping wall agitator	Anchor type with scraping wall agitator
Material of the scraper	PTFE	PTFE	PTFE
Installation form of the homogenizer	Undermount	Undermount	Undermount
Homogenizer power	1.1kw	1.1kw	2.2kw
Homogenizer speed range	600-6000rpm (We can specially design according to the user's working conditions)	600-6000rpm (We can specially design according to the user's working conditions)	600-6000rpm (We can specially design according to the user's working conditions)
homogeneous function	It can realize internal and external homogenization/ external powder suction and liquid suction function	It can realize internal and external homogenization/ external powder suction and liquid suction function	It can realize internal and external homogenization/ external powder suction and liquid suction function
Form of working head	Hishear dispersing and emulsifying working head	Hishear dispersing and emulsifying working head	Hishear dispersing and emulsifying working head
Functional port of the reactor	Vacuum port, hopper port, homogeneous port, stirring port, temperature measuring port, instrument port, sight glass and lamp port, etc.	Vacuum port, hopper port, homogeneous port, stirring port, temperature measuring port, instrument port, sight glass and lamp port, etc.	Vacuum port, hopper port, homogeneous port, stirring port, temperature measuring port, instrument port, sight glass and lamp port, etc.
Medium-contact material	SIC、SS316L、FKM、PTFE	SIC、SS316L、FKM、PTFE	SIC、SS316L、FKM、PTFE
Control System	PLC control	PLC control	PLC control
Cleaning function	Suitable for CIP/SIP	Suitable for CIP/SIP	Suitable for CIP/SIP
Form of the bracket lifting	Electric lifting	Electric lifting	Electric lifting
Allowable ambient temperature	5-40℃	5-40℃	5-40℃
Allowable relative humidity	80%	80%	80%

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Order#

Fisco-100

Power supply	380V/50Hz
Minimum mixing capacity	10L
Minimum emulsifying capacity	20L (External cycle)
Maximum emulsifying capacity	100L (Internal homogeneity)
Maximum working temperature	According to the user's working conditions to design
Vacuum degree	
Maximum processing viscosity	
Stirring motor power	
Stirring speed	
Mixer arrangement	Anchor type with scraping wall agitator/ Propeller Agitator (Torque display is possible)
Material of the scraper	PTFE
Installation form of the homogenizer	Undermount
Homogenizer power	5.5kw
Homogenizer speed range	300-3000rpm (We can specially design according to the user's working conditions)
homogeneous function	It can realize internal and external homogenization/external powder suction and liquid suction function/CIP function
Form of working head	Hishear dispersing and emulsifying working head
Functional port of the reactor	Vacuum port, hopper port, homogeneous port, stirring port, temperature measuring port, instrument port, sight glass and lamp port, etc.
Medium-contact material	SIC、SS316L、FKM、PTFE
Control System	PLC control
Cleaning function	Suitable for CIP/SIP
Form of the bracket lifting	Electric lifting
Allowable ambient temperature	5-40℃
Allowable relative humidity	80%

Applicable

It is suitable for processing high-viscosity emulsification, homogenization, mixing, dispersion and other processes in the fields of medicine, household chemicals, food, fine chemicals and other fields. It can prepare ointments, creams, gels and other products for research, pilot scale test and mass production needs.

Biology
Pharmacy

Food

Daily Care

Chemical
Industry

New
Material



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