



PROJECT

FOR

FL-300 FLUID BED GRANULATOR



Jiangsu Xianfeng Drying Engineering Co., Ltd

China

Fluid bed granulator



FL-300 Fluid bed granulator

Technical Parameters:

Item	Unit	parameter
Diameter of container	mm	1600
Container volume	L	1000
Capacity	Kg/batch	150-350
Power of fan	kW	30
Electrical heater	kW	90
Amount of compressed air	M ³ /min	2.0
Compressed air pressure	MPa	0.6

Detailed parts:

Name	Spec	Material and type	Manufacturer
Main machine system	filtering chamber(Top chamber): dust remove and filter system with shaking cylinder,	SUS304 Flange $\delta=16$ Main machine $\delta=3\text{mm}$ Granulating system include peristaltic pump, spray dryer	Xianfeng
	Middle chamber SUS304 With spray nozzle(two fluid), peristaltic pump		
	One trolley: SUS304		
	Top-lift section: 2 air cylinder and ballonet air-sealing		
	Inlet air chamber : with inlet air adjust air flap , inlet-air filter and heater, drainage		
	Support: stainless steel SUS304		
	Seal : silicon rubber		
	Temp point : inlet one , outlet one		
Air	Electrical heater	90 kW	Xianfeng
	Cover	SUS304	Xianfeng

heater and inlet air filter system	Primary ,middle filter and HEPA	Screen 、 non-woven fabrics,	Xianfeng
Inlet air and exhaust air system	Draught fan (separated installed with main machine)	(1) manual operation wind volume; (2) Motor power 30 Kw	Buy from market
	Silencer	noise≤80 decibel, Carbon steel	Xianfeng
	Inlet air duct with inlet air flap	SUS304 δ=2 mm	Xianfeng
	Exhaust duct	SUS304 δ=1.5mm	
	Outlet air duct	duct: carbon steel δ= 1.5mm	Xianfeng
Control system	Control cabinet	Stainless Steel	Xianfeng
	Main electrical parts	Electric relay ,air switch and so on	Siemens
	Indicating instrument	Ampere meter, voltmeter, temp sensor	Buy from market
	Pneumatic element	cylinder 、 manifold block 、 barometer	Buy from market
	PLC		Siemens
	Touch screen		Siemens
Bag filter		With antistatic fibre, uniformity release static electricity, no spark appear , safety in production	Xianfeng
Viewing window	Toughened glass	Observe inside material condition	Xianfeng

Spare Parts

No	Name	Type	Unit	Qty
1	Sealing strip		set	1
2	Compressed air tube	Φ10	meter	10

Quotation

FOB (shanghai): 42800 USD

T/T: 30% deposit after signed contract, 70% balance before delivery.

Safety features

The machines can't be started without safe earthing.

The machines can't be started without the bag filter not in place.

The machines will stop with the bag filter leak.

The machines will stop with explosive.

The machines can't be started without the inlet and outlet flap open.

Documentation

One copy of operational manual in English will be given with the delivery of machine.

Provide relevant certificates (such as product certificate, spare part certificate, raw material SUS304 certificate)

Provide additional set for spare part.

All our machines guaranteed for trouble free performance for a period of 12 months from commissioning.

Delivery date

Within 45 work days

After-sell service

Installation and after-sell service free for one year. But the Buyer shall bear all the expenses incurred in the trip of the Seller's delegation for erection, commissioning and training, including air tickets, meal, hotel accommodation and local transportation.

We accept FAT for client.



Technical Details

For

GFG-300 Fluidizing Dryer



JIANGSU XIANFENG DRYING ENGINEERING CO., LTD.

China

FLUIDIZED BED DRYER



GFG-300 FLUIDIZED BED DRYER

Technical Parameters:

Item	Unit	parameter
Feeding capacity	kg/batch	200-300
Fan power	KW	30
Consumption of steam	kg/h	400
Consumption of compressed air	M ³ /min	0.9

Equipment list:

name	details	Material and instruction	Manufacturer
Main frame system	Filter room: has the filters and the explosion release	SUS304 It fits for different kinds of powder and granule drying.	Xianfeng
	Middle room: has view glass		
	One trolley: material flow in fluid-bed with stir motor		
	Lifting: double cylinder and air cell pressure		
	Air inlet room; it has water exit, adjustment air valve		
	Main tower support: cover with Sus304		
	Main tower airproof: Silicon rubber		
	Temperature test: air inlet and air outlet		
Air Heating system	Gas furnace		Xianfeng

Air Filtrating system	Initial and middle efficient filter	Sieve screen, none woven fabric	Xianfeng
	Shell	SUS304	
	Sub-high efficient filter	Three grade filter, meet 300000 level.	
Air exhaust system	Suction fan	(1) hand adjustment air valve (2) engine power 30 Kw	Buy from market
	silencer	Carbon painted, make sure the fan is closed off. noise≤80db(A)	Xianfeng
	Air pipe	Pipes: sus304	
	Dust exhaust pipe	Pipes: sus304 Flange: sus304	
	Air exhaust pipe	Pipes: carbon steel Flange: carbon steel	
Control system	Tank	Carbon steel plastic painted	
	Operation system	Touch screen control	SIEMENS
	program	PLC	

	Electrical element	Touch, relay, button, air switch	SIEMENS
	Indication instrument	Current watch, voltage watch, temperature sensor, temperature control	
	Air pressure element	Cylinder, air pressure watch	
Hop pocket		Has anti static fiber, release the static equality, no fire. Safe produce.	Xianfeng
View window	glass	It can see the material in the machine	Xianfeng

Spare parts:

no	Name	Specification	Unit	qty
1	Air cell	Supply as the machine	pc	1
2	Sealing strip of the main tower	Supply as the machine	set	1
3	Air compress pipe	Supply as the machine	m	10

Quotation:

FOB Shanghai: 38800 USD

T/T: 30% deposit after signed contract, 70% balance before delivery.

Safety features:

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The machines will stop with explosive

The machines can't be started without the inlet and outlet flap open

Documentation:

One copy of operational manual in English will be given with the delivery of machine.

Provide relevant certificates (such as product certificate, spare part certificate)

Provide additional set for spare part.

All our machines guaranteed for trouble free performance for a period of 12 months from commissioning.

Delivery date:

Within 45 work days

Packing:

Wooden case (Approved by custom)

After-sell service:

Installation and after-sell service free for one year. But the Buyer shall bear all the expenses incurred in the trip of the Seller's delegation for erection, commissioning and training, including air tickets, meal, hotel

accommodation and local transportation.

We accept FAT for client.

Angela Xie

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