

SENEER

Fluid Bed Granulator



Fluid Bed Granulator

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Fluid Bed Granulator Feature

- ◆ Stainless steel 316L or 304 for contact product part
- ◆ Stainless steel 304 or carbon steel material dust collector
- ◆ Process times significantly reduced
- ◆ Siemens intelligent touch screen control system
- ◆ No dead zones in the product container
- ◆ Fluid bed granulator can work with high shear mixer
- ◆ Dust- free production fluid bed granulator can work with vacuum covers
- ◆ Explosion proof as optional item



- ◆ Steam heating or electric heating two kinds of heating modes
- ◆ WIP systems for automated washing could be added to fluid bed dryers
- ◆ Fluidized bed granulator can be provided with 2 bar, 10 bar or 12 bar explosion-proof
- ◆ Intelligent touch screen operating system, automatic PLC control
- ◆ All the parameters can be memorable, transfer to SD card and USB
- ◆ Printer is available, printing process parameters
- ◆ Strongly aligned with cGMP guidelines

Fluid Bed Granulator Function

- ◆ In a fluidized bed granulator, granulation is accomplished by suspending the powder in the fluidized bed's air and then spraying the binder solution from nozzles positioned above or below the powder bed, depending on the granulator type



our superior
**Fluid Bed
Granulator** PRODUCT

Fluid Bed Granulator Advantage

- ◆ Fluidized bed granulator is a single-unit system, it saves on labor, transfer loss, and time
- ◆ Once the settings have been optimized, the procedure can be automated
- ◆ Drying takes place in a consistent manner, preventing mottling

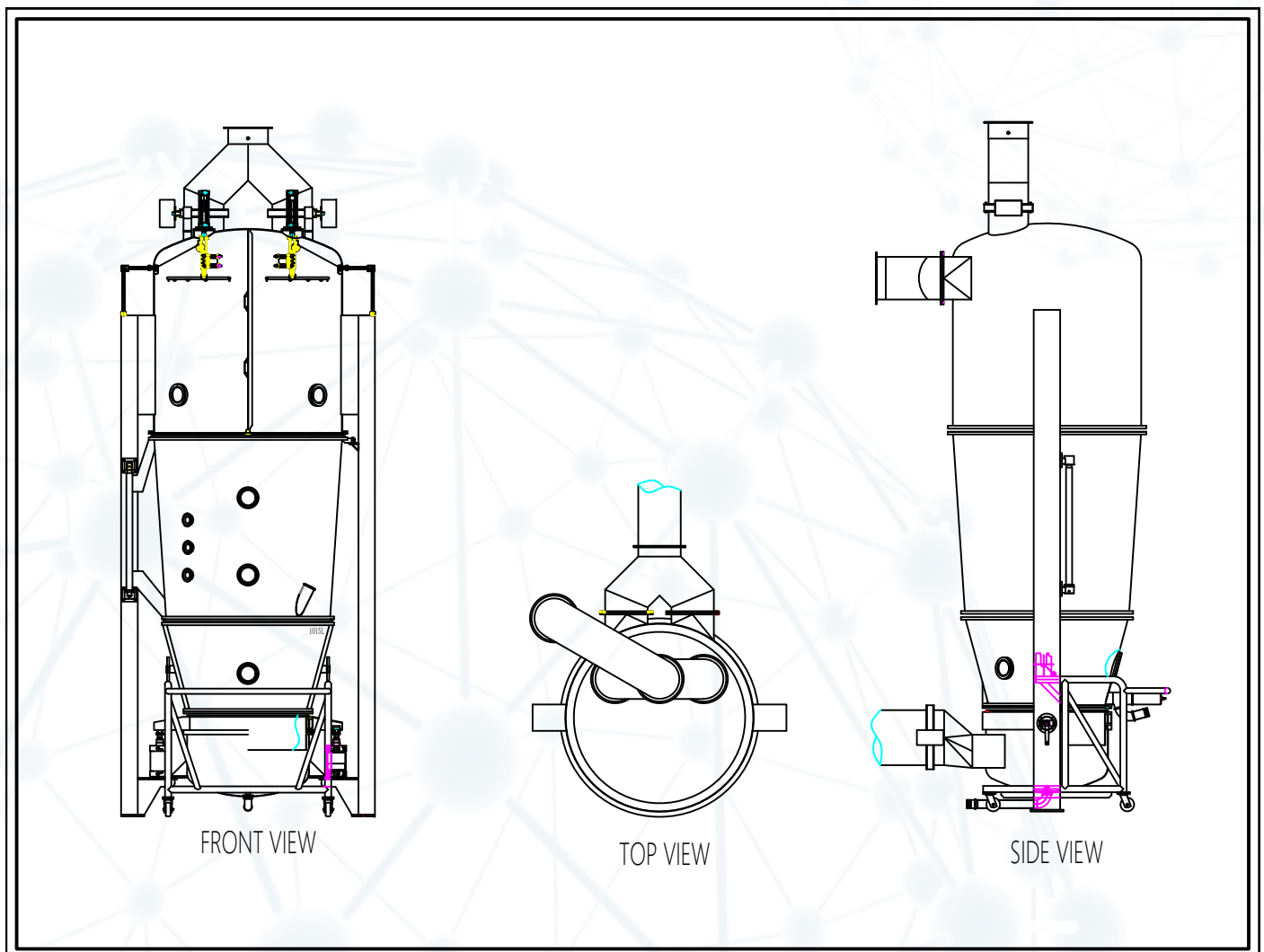
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Fluid Bed Granulator PRODUCT



Fluid Bed Granulator Application

- ◆ Pharmaceutical Industry
- ◆ Food Industry
- ◆ Health Food Industry
- ◆ Chemical Industry
- ◆ Dairy Industry



Fluid Bed Granulator Specification

Technical parameters

Model		FBG-50	FBG-100	FBG-200	FBG-300	FBG-400	FBG-500	FBG-600	FBG-800	FBG-1000	FBG-1500
Product container(L)		50	100	200	300	400	500	600	800	1000	1500
Loading coefficient		0.3-0.9									
Production capacity(kg/batch)	Min	7.5	15	30	45	60	75	90	120	150	250
	Max	22.5	45	90	135	180	225	270	360	450	550
Material yield rate (%)		≥99									
Final water content (%)		Inlet air dehumidition device shall be additionally mounted									
Temperature adjusting range		100% Natural temperature-100									
Fan power		5.5	7.5	15	18.5/22	22/30	30/37	30/37	37/45	37/45	55
Noise(dB)		≤75 (Inside the clean room, with the fan installed separately)									
Steam(new air calculated according to C)	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	52	86	147	180	210	250	315	367	418	542
Compressed air	Pressure (Mpa)	0.4-0.6									
	Consumption(kg/h)	0.4	0.5	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.9
Cleaning medium		4	5	5	6	6	6	8	8	8	8

Senieer fluid bed granulator makes granules perfect fluidity.