

GFG Series High Efficiency Fluid Bed Drying Equipment



Purified and heated air is introduced from the bottom through suction fan and passed through the screen plate of raw material. In the work chamber, the state of fluidization is formed through stirring and negative pressure. The moisture is evaporated and removed rapidly and the raw material is dried quickly.

Applications

- Screw extruded granules, sway produced YK series granules and granules produced by GHL series granulator.
- Suitable for drying humidity block or powder raw material in pharmaceutical, foodstuff, feed, chemical industries and so on fields.
- Large granules, small blocks and adhesive materials.
- The materials that volumes might vary during drying process.

Features

- The structure of fluidization bed is of round so as to avoid dead corner.
- Inside the hopper there is a stirring device in order to avoid agglomeration of raw material and forming canal of flow.
- The granule is discharged through the method of turning over. It is very convenient and full. The discharged system can be designed as request.
- It is operated at the conditions of negative pressure and seal. The air is filtered. Therefore it is simple in operation and convenient for cleaning. It is an ideal equipment that is in conformity with the requirements of GMP.
- The drying speed is fast and the temperature is uniform. The drying time is 20-30 minutes normally.

Parameter

item \ spec		GFG-60	GFG-100	GFG-120	GFG-150	GFG-200	GFG-300	GFG-500	GFG-1000	
capacity	kg	60	100	120	150	200	300	500	1000	
fan	velocity	m ³ /h	2361	3488	4000	4901	6032	7800	10800	15000
	air pressure	mmH ₂ O	594	533	533	679	787	950	950	1200
	power	kW	7.5	11	15	18.5	22	30	45	75
stirring power	kW	0.55	0.55	0.55	0.55	0.75	1.5	1.5	2.2	
stirring speed	r/min	11								
consume of steam	kg/h	141	170	170	240	282	366	451	800	
time of operation	min	15-30(depends on material)								
height of main machine	mm	2700	2900	2900	2900	3300	3800	4200	5800	