

SPEC SHEET

Fluid Bed Granulator

FL Series

INTRODUCTION

The FL Series Fluid Bed Granulator is a process machine widely applied for solid preparation and production in the pharmaceutical industry. It has such functions as mixing, drying and granulation etc. It is also widely used in such industries as medicine, chemical industry and food.

KEYWORDS [Granulator](#) | [Fluid Bed](#) | [Drying](#)

ATTRIBUTES

- Equipped with advanced process control systems, allowing for the precise regulation of parameters such as airflow, temperature, and spray rate to ensure optimal process performance.
- Available in various sizes and configurations to accommodate different production capacities and requirements, making them suitable for both small-scale and large-scale operations.
- Compatible with a wide range of materials, including pharmaceuticals, food ingredients, chemicals, and powdered formulations.
- Easy cleaning and maintenance



TECHNICAL PARAMETERS

Model	FL-10	FL-25	FL-50	FL-100	FL-200	FL-300	FL-400	FL-500	FL-600	FL-800	FL-1000	
Product container	10L	25L	50L	100L	200L	300L	400L	500L	600L	800L	1000L	
Loading coefficient	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	0.3-0.9	
Production capacity (kg/batch)	Min.	1.5	3.75	7.5	15	30	45	60	75	90	120	150
	Max.	4.5	11.25	22.5	45	90	135	180	225	270	360	450
Material yield rate	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	≥99%	
Final water content	≤2 % (install air-inlet dehumidification device)											
Temperature adjusting ranger	Room temperature-100											
Fan power	4kW	5.5kW	7.5/11kW	11/15kW	15/18.5kW	18.5/22kW	22/30kW	30/37kW	37kW	45kW	55kW	
Steam (new air calculated according to 20°C)	Pressure (MPa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	
	Consumption (kg/h)	25	45	95	165	190	275	275	275	375	375	486
Compressed air pressure (MPa)	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	
Consumption (kg/h)	0.3	0.3	0.4	0.5	0.5	0.6	0.8	0.9	1.3	1.6	1.8	

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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