

SPEC SHEET

Fluid Bed Granulato

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					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℃)	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)	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

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