



FL Series Fluidizing Bed Dryer For Instant Coffee



- * Foodstuff, cocoa, coffee, milk powder, juice of granules, flavoring and so on.
- * Other industries, pesticide, feed chemical fertilizer, pigment, dyestuff, and so on.
- * Drying of powder or granular wet material.
- * Coating: granules, a pill protection layer, color preparedness, sustained-release, film, enteric

Principle of work:

The powder granule in the container (fluidization) appears to be in a state of fluidization. It is preheated and mixed with clean and heated air. At the same time, the solution of adhesive solvent is fogged and sprayed into the container. It makes some particles become granulating and contain adhesive. Being unceasingly dry through hot air, the granulation's moisture evaporates and the adhesive solidifies. The process is carried out continuously. Finally, it forms ideal, uniform, and porous granules.

Specifications

Model		FL-3	FL-5	FL-15	FL-30
Container	Volume (L)	12	22	45	100
	Diameter (mm)	300	400	550	700
Productive Capacity	Min. (kg)	1.5	4	10	15
	Max. (kg)	4.5	6	20	45
Fan	Air Volume (m ³ /h)	1000	1200	1400	1800
	Power (kw)	3	4	5.5	7.5
Stream Consumption (kg/h)		15	23	42	70
Compressed Air Consumption (m ³ /h)		0.9	0.9	0.9	0.9
Weight of Main Body (kg)		500	700	900	1000

Model		FL-60	FL-120	FL-200
Container	Volume (L)	220	120	670
	Diameter (mm)	1000	1200	1400
Productive Capacity	Min. (kg)	30	80	100
	Max. (kg)	90	160	300
Fan	Air Volume (m3/h)	3000	4500	6000
	Power (kw)	11	18.5	22
Stream Consumption (kg/h)		141	221	282
Compressed Air Consumption (m3/h)		1	1	1..1
Weight of Main Body (kg)		1100	1300	1500