



(FL Series) Fluid Bed Granulator/Centrifugal Dryer



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

Work principle

The machine is composed of main machine, air handling system, heating system, exhaust and dust filter system etc. When it works, the materials enter the hopper of the fluid bed dryer. Set the procedures and parameters according to process requirements and the machine will start working. After filtered by the air handling system and heated by the heating system, the air enters the main machine. After the materials are fluidized by hot air, the moisture is evaporated rapidly and the materials are dried instantly. After the operations are completed according to the set procedures and parameters, the material silo is pushed out and assembled onto the JTZ series lifting and turning granule sizing machine for lifting discharging, so as to effectively control dust pollution and cross contamination.

Features

The machine is a new machine researched and developed successfully by our company according to China's actual conditions after absorbing and digesting internationally advanced technology. It has such features as reasonable structure, stable performance, convenient operation, no dead corners, and no exposed bolts. The machine adopts PLC automatic control. All operations are completed automatically according to the process parameters set by users. All process parameters can be printed and the original records are true and reliable. It fully meets GMP requirements for medicine production.

Technical Parameters

Item	Model	FL-5	FL-15	FL-30	FL-60	FL-120
Vessel volume(L)		22	45	100	220	330
Production capacity(kg/batch)		3-5	5-15	15-30	30-60	60-120
Fan power(KW)		4-2P	7.5	11	18.5/22	22/30
electric heating power(KW)		12	20	30	30	45
Steam pressure (MPa)		0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Steam consumption(kg/h)		45	45	116	140	211
Compressed air pressure (MPa)		0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Compressed air consumption(m ³ /min)		0.3	0.4	0.9	0.9	0.9
Outline dimensions	H	2921	3021	3137	3953	4508
	H1	1850	1850	1850	1850	1850
	Φ D	606	606	806	1106	1306
	W	784	784	984	1340	1540