

## *FL Series Fluid Bed Granulator*



The powder granule in fluid bed appears in the state of fluidization. It is preheated and mixed with clean and heated air. At the same time the solution of adhesive is sprayed into the container. It makes the particles become granulating that contains adhesive. Being of unceasing dry through hot air, the moisture in the granulating is evaporated. The process is carried out continuously. Finally it forms ideal, uniform and porous granules.

### **Features:**

1. By using powder granulation, to improve the liquidity and thinner dust.
2. By using powder granulation, to improve solubility property.
3. Mixing—granulation—drying can be finished in one device (one-step granulation)
4. To adopt antistatic filtering mediums, to ensure safe operation.
5. Caking agent atomizer adopts multi-fluid spray gun to maintain uniform spray particles and to increase the rate of qualified products greatly.
6. No dead-corner of equipment; it is easy and rapid of feeding or discharging materials and clean of washing to satisfy the GMP standard.

## Technical Parameters

Model	5	30	60	120	200	300	500
Capacity(Kg/Batch)	5	30	60	120	200	300	500
Material Yield Rate(%)	>=99%						
Qualified Rate(%)	<=85%						
Container Volume(L)	22	100	220	420	670	1000	1500
Diameter(mm)	500	700	1000	1200	1400	1600	1800
Powder of Fan(Kw)	3	7.5	11	18.5	22	30	45
Liquid Feed Power(Mpa)	0.37						
Pressure of Steam(Mpa)	0.4~0.6						
Consumption Steam(Kg/h)	18	60	120	140	180	310	400
Compress Air Pressure(Mpa)	0.4~0.6						
Consumption of Air(m3/min)	0.3	0.9	0.9	0.9	1.1	1.1	1.5
Working Temperature C	Room Temperature~120C Adjustable						
Noisy(db)	Installed Separaterd With Fan <=75						