

Fluid Bed Granulator FL Series



Fluid bed granulator is mainly used for making particles, mixing powder, and drying processes in pharmaceutical, food, feed, and chemical industry. The particles are used as instant drink granules and for filling capsules or compressing tablets.

Features:

- Mixing-granulating-drying in one-step.
- Adopting double chamber filtering bags system, removing dust completely;
- Adopting multi-fluid nozzle, it guarantees that the formed granule is uniform and the content of powder is very low;
- Continuous spray process;
- 2 bar explosion-proof design is optional;
- Meets with GMP standards.

Technical Parameters:

Model	FL-5	FL-15	FL-30	FL-60	FL-120	FL-F200	FL-300	FL-500
Capacity (Kg/batch)	5	15	30	60	120	200	300	500
Scope of application for liquid (g/cm3)	<1.3							
Material yield rate (%)	≥99							
Qualified rate of finished products (%)	≥85							
Container volume (L)	22	45	100	220	420	670	1000	1500
Diameter (mm)	500	550	700	1000	1200	1400	1600	1800
Power of fan (Kw)	3	5.5	7.5	11	18.5	22	30	45
Motor power of liquid supply (Kw)	0.37							
Pressure of steam (Mpa)	0.4-0.6							
Consumption of steam (Kg/h)	18	35	60	120	140	180	310	400
Pressure of compressed air (Mpa)	0.4-0.6							
Consumption of compressed air (m3/min)	0.3	0.6	0.9	0.9	0.9	1.1	1.1	1.5
Working temperature (°C)	Ambient temperature to 120°C (adjustable)							
Noise (DB)	Installed separated with fan ≤75							