



## *FBG one step dry Granulator*



The machine is widely used in drug, food, dairy, chemical industry, etc. it is a process machine widely applied during production. For example, the production of tablets, capsules, granules and others.

### **Product introduction:**

The machine is widely used in drug, food, dairy, chemical industry, After purified and heated, the air is blown into the fluid bed dryer, and then passes through the air flow distribution plate at the bottom of the fluid bed, make the powder boiling and fluidized in the vessel. The adhesive solution is atomized and sprayed during granulating to make several particles agglomerate into granules containing the adhesive. Because the material is continuously dried by hot air, the moisture in the granules is evaporated. This process will be carried out to form granules. The fluid bed granulating method is a comprehensive application of atomizing technology and funding technology. it completes the traditional mixing, granulating and drying process in a machine in one step to realize one step granulating.

### **Main feature:**

- Adopts the most advanced technology.
- The operation is carried out in a closed negative system.
- The equipment is provided with the closed sampling function.
- The liquid supply spray gun system adopts the atomizing spray gun technology.
- The air intake control valve adopts proportional adjustment.
- The air intake hearing system can adopt two heating modes such as electric heating or steam heating.
- The machine is equipped with the advanced WIP cleaning system.
- The machine meets the requirements of FDA/cGMP.
- The machine can provide 10Bar explosion-proof design according to user requirements.

**Main data:**

Item		Unit	FBG5	FBG15	FGB30	FBG60	FBG120	FBG200	FBG300
Raw material vessel volume		L	20	40	100	230	470	670	950
Production capacity		Kg/batch	5	15	30	60	120	200	300
Steam	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
	Consumption	Kg/h	70	90	120	180	320	420	500
Compressed air	Pressure	MPa	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7	0.4-0.7
	Consumption	M3/min	0.5	0.8	1	1.5	2	2.5	3
Fan power		KW	7.5	11	15	18.5	22	30	37
Outline dimension	W	mm	820	920	1200	1460	1695	1890	2090
	H	mm	2250	2350	3130	3865	3900	4520	4850
	ø	mm	500	600	800	1000	1200	1400	1600