



## ***Centrifugal Atomizer Spray Drying Machine ZPG-series***



Basic Principle: High-speed centrifuge atomizing for the extract of traditional Chinese medicine is an application of centrifuge atomizing technique. It also uses high-speed atomizer to make liquid material into foggy droplet to contact with hot air fully to finish instant drying and get final powder product.

### **Main Features**

- 1) The tower body is equipped with cool air jacket to reduce inside tower temperature and eliminate product preheating and soften phenomenon
- 2) The atomizer on top of tower is equipped with cooling device to reduce atomizer temperature, at the same effectively eliminate material return to the top in eddy current and avoid preheat coking phenomenon
- 3) Tower body and pipeline is equipped with manual quick-open cleaning hole and drainage hole. CIP automatic cleaning device can also equipped if needed.
- 4) A automatic control constant temperature feeding tank can be equipped
- 5) Manual high pressure washing tools can be offered as accessories together with spray dryer.
- 6) All product contact parts are made with Stainless Steel, (or whole parts with stainless steel)
- 7) Product collect way adopts two grade cyclones and water film duster.
- 8) Air inlet temperature is automatic and continuous control which is interlocked with feeding
- 9) An air sweeping device can be optional for some products

### **Applications**

Applicable Industries: Building Material Shops, Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Farms, Restaurant, Retail, Food & Beverage Shops

## Specifications

spec		ZPG-25	ZPG-50	ZPG-80	ZPG-100	ZPG-150	ZPG-200	ZPG-300
evaporation capacity(kg/h)		25	50	80	100	150	200	300
process amount of material liquid(kg/h)		25-34	50-68	80-108	100-135	150-203	200-270	300-406
output of finished pduct(kg/h)		4.8-7.2	9.2-14	14.8-22.4	18.4-28	24-42	36.8-56.4	55-85
solid content of material liquid( %)					18-30			
moisture content of finished product( %)					45-15			
electric power(kw)		63		132	153	204	246	330
heat source		Steam plus electricity						
Collecting method of product and its efficiency		Grade one or two or three stage cyclone wet dust remover is greater than or equal to 95%						
automatic control meters and instruments		indicator of not air and exhaust air temperature						
temperature of air inlet(°C)		160-220						
temperature of air outlet(°C)		80-100						
overall dimensions(mm)	L	7000	8000	9800	11000	12200	14100	15000
	W	4000	5000	5700	6200	7000	7800	9000
	H	6200	6900	8000	8900	10750	11900	13000