

YPZG系列压力喷雾干燥机

YPZG Pressure Spray Dryer Machine

► 用途 (Application)

YPZG喷雾干燥造粒机广泛应用于以下领域：

化工行业：如合成洗衣粉、油脂类、硫铵、染料及其中间体、白碳黑、石墨、磷铵等。

食品工业：氨基酸及其类似物、调味料、蛋白质、淀粉、乳制品、咖啡提取物、鱼粉、肉精等。

制药行业：中药、农药、抗生素、医药冲剂等。

陶瓷行业：氧化镁、瓷土、各种金属氧化物等。

喷雾造粒：肥料、氧化铝、陶瓷粉、制药、化肥、颗粒洗衣粉、中成药等。

YPZG spray drying granulator is widely used in the following areas:

Chemical Industry: Such as synthetic detergents, oils, ammonium sulfate, dyes, dye intermediates, silica, graphite, ammonium phosphate, etc.

Food Industry: Amino acids and analogues, seasonings, proteins, starches, dairy products, coffee extracts, fish meal, meat essence, etc.

Pharmaceutical Industry: Traditional Chinese medicine, pesticides, antibiotics, pharmaceutical granules, etc.

Ceramic Industry: Magnesium oxide, kaolin, various metal oxides, etc.

Spray Granulation: Fertilizers, alumina, ceramic powders, pharmaceuticals, fertilizers, granular detergents, traditional Chinese medicine formulations, etc.



► 特点 (Features)

高效干燥与造粒：能够在一台设备中同时完成干燥和造粒过程，通过调节料液泵的压力、流量及喷孔大小，得到所需比例的球形颗粒。

快速干燥速度：物料经过雾化后表面积大幅增加，在热风气流中瞬间蒸发95%-98%的水分，完成干燥仅需十几秒到数十秒，特别适用于热敏性物料。

高质量产品：所有产品为球状颗粒，具有均匀的粒度、良好流动性和溶解性，产品纯度高，质量优异。

广泛的应用范围：根据物料特性，既可以采用热风干燥也可以使用冷风造粒，适应性强。

操作简便稳定：易于控制，方便实现自动化作业。

Efficient Drying and Granulation: Capable of simultaneously drying and granulating in one unit, adjusting the pressure, flow rate of the liquid pump, and nozzle size to obtain spherical particles of desired proportions.

Fast Drying Speed: After atomization, the surface area of the material greatly increases, allowing for 95%-98% of moisture to be evaporated instantly within the hot air stream. The entire drying process takes only a few seconds to tens of seconds, making it especially suitable for heat-sensitive materials.

High-Quality Products: All products are spherical particles with uniform particle size, excellent flowability, solubility, high purity, and superior quality.

Wide Application Range: Depending on the characteristics of the material, either hot air drying or cold air granulation can be used, offering strong adaptability.

Simple and Stable Operation: Easy to control and conducive to automated operation.



► 技术参数 (Technical Parameters)

参数ITEM / 型号TYPE		YPZG-50	YPZG-100	YPZG-150	YPZG-200	YPZG-300	YPZG-500	YPZG-1000
水分蒸发量 Water Evaporation Capacity	kg/h	50	100	150	200	300	500	1000
外形尺寸 Overall Size (φ×H)	mm	1200*8900	1800*11500	2200*13500	2400*14800	2800*15400	3400*18800	4600*22500
高压泵压力 High-pressure Pump Pressure	mpa	2-10						
功率 Power	kw	8.5	14	22	24	30	45	75
进风温度 Inlet Air Temperature	℃	300-350						
产品含水量 Product Water Content	%	<5						
物料回收 Material Restoration	%	>97						
电加热 Electric Heating	kw	75	120	180	当温度低于200度时，具体按实际技术 When the temperature is lower than 200℃, the parameters should be calculated according to the practical condition.			
电蒸汽 Electric Steam	mpa+kw	0.5+54	0.6+90	0.6+108				
热风炉 Hot Air Furnace	kcal/h	100000	150000	200000	300000	400000	500000	1200000