

LPG系列高速离心式喷雾干燥机

LPG Series High-speed Centrifugal Spray Dryer

► 用途 (Application)

喷雾干燥机广泛应用于以下领域：

化工行业：用于干燥溶液、乳液、悬浮液等，生产粉末或颗粒状固体产品。

食品工业：适用于奶粉、蛋白粉、咖啡、香料等食品成分的干燥，确保产品质量和安全性。

制药行业：适合生产高纯度药物粉末，特别是对热敏感的生物制品。

农业及饲料行业：用于谷物、豆类等农产品以及动物饲料的干燥处理。

Spray dryers are widely used in the following fields:

Chemical Industry: For drying solutions, emulsions, suspensions, etc., to produce powdered or granular solid products.

Food Industry: Suitable for drying food ingredients such as milk powder, protein powder, coffee, and spices, ensuring product quality and safety.

Pharmaceutical Industry: Ideal for producing high-purity drug powders, especially for heat-sensitive biological products.

Agriculture and Feed Industry: Used for drying agricultural products such as grains, beans, and animal feed.



► 特点 (Features)

快速干燥：通过雾化技术，物料液体的表面积大幅增加，在热气流中，95%-98%的水分可在瞬间蒸发，特别适合热敏性材料的干燥。

高质量产品：生产出的产品具有良好的均匀性、流动性、溶解性和高纯度，质量优异。

简化工艺流程：生产工艺简单，操作和控制方便。对于含水量0-60%（特殊物料可达90%）的液体，可以一次性干燥成粉末产品，无需粉碎和筛分，减少工序并提高产品纯度。

灵活调整：通过改变操作条件，可对产品的粒径、堆积密度和水分进行一定范围内的调整，管理和控制非常方便。

Fast Drying: The surface area of the material liquid is greatly increased through atomization. In a hot air stream, 95%-98% of moisture can be evaporated instantly, making it especially suitable for drying heat-sensitive materials.

High-Quality Products: The products have excellent uniformity, fluidity, solubility, high purity, and superior quality.

Simplified Process: The production process is simple, and operation and control are very convenient. Liquids containing 0-60% moisture (up to 90% for special materials) can be dried into powder products in one step, eliminating the need for crushing and sieving, thus reducing steps and improving product purity.

Flexible Adjustment: The particle size, bulk density, and moisture content of the product can be adjusted within a certain range by changing operating conditions, and management and control are highly convenient.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	LPG-5	LPG-25	LPG-50	LPG-150	LPG-200-2000
入口温度 Temperature of Inlet Air	℃	140~350 自控 Self-control				
出口温度 Temperature of Outlet Air	℃	80-90				
水份蒸发量 Evaporated	kg/h	5	25	50	150	200-2000
离心喷雾头转动形式 Transmitted of Centrifugal Spray Sprinkler	-	压缩空气传动 Compressed Air	机械传动 By Machine			
转速 Rotating Speed	rpm	25000	18000	18000	15000	8000-15000
喷雾盘直径 Dia. of Atomizing Disk	mm	50	100	120	150	180-340
热源 Heat Source	-	电 Electricity	电+蒸汽 Electricity+ Steam	电+蒸汽、燃油、煤气 Electricity+ Steam, Oil Fuel, Gas		
电加热功率 Powder of Electric Heater	kw	9	36	63	99	-
外形尺寸 Overall Dimensions	m	1.8*0.93*2.2	3*2.7*4.26	3.7*3.2*5.1	5.5*4.5*7	-
干粉回收率 Yield of Dry Powder	%	≥95				