

Vacuum Lab Spray Dryer Machine LPG-series



The LPG Series Laboratory Spray Dryer operates based on the principle of atomization and rapid evaporation. It takes a liquid feed material and transforms it into a fine powder or granular form through a two-step process. The liquid feed material is atomized into tiny droplets using a specially designed atomization system. This creates a large surface area and enhances the contact between the liquid and the hot drying gas.

Features:

1. Preferable steel body material, beautiful appearance, not easy to rust, long service life.
2. Compact structure, stable operation, high efficiency, low energy consumption and low pollution.
3. Simple operation, convenient cleaning, labor saving, and continuous operation for a long time.
4. Multi-level quality inspection, attention to detail quality, on-demand design.

Technical Parameters

Model	LPG5	LPG25	LPG50
Inlet temperature °C	140-350 automatically controlled		
Outlet temperature °C	80-90		
Max.water evaporation capacity	5	25	50
Rotation speed rpm	25000	18000	18000
Spraying disc diameter mm	50	100	120
Max.Electric heating power kw	9	36	63
Overall dimensions m	1.8*0.93*2.2	3*2.7*4.26	3.7*3*5
Dried powder restoring rate %	>95%		

Model	LPG100	LPG150	LPG200/1000
Inlet temperature °C	140-350 automatically controlled		
Outlet temperature °C	80-90		
Max.water evaporation capacity	100	150	200/1000
Rotation speed rpm	18000	15000	8000/15000
Spraying disc diameter mm	140	150	180
Max.Electric heating power kw	81	99	
Overall dimensions m	4.6*4.2*6	5.5*4.5*7 to actual	
Dried powder restoring rate %	>95%		