

B-6000Y Lab Spray Dryer



Characteristic:

1. High efficient jet imported.
2. LCD touch screen displays temperature, airflow, air pressure, pump speed and jet cleaner frequency.
3. Auto controlling: one touch on/off, once processing parameters are set, peristaltic pump will be auto started; screen displays animation of the whole process of experiment.
4. Manual controlling is available, be able to adjust technical parameters during the process of experiment.
5. With jet cleaner (stylet), its frequency can be automatically adjusted.
6. Power off thermal-protection, push off button and the equipment will stop at once, except draught fan, make sure equipment won't be burned out by incorrect operation (Forcibly shut fan).
7. Spray chamber, cyclone separator, and receiving tank are all made of transparent heat-resistant high-borosilicate glass; it creates a no-pollution environment for the drying process. All the spare parts are easy to install and wash.
8. Build in oil-free air compressor. The sound is low than 60db, and following the GMP standards.
9. Two-flow spray atomizing structure, whole machine is made of high quality stainless steel, compact design no accessory equipment is needed.
10. Use PID controller, the accuracy of heating temperature is around $\pm 1^{\circ}\text{C}$.
11. A filter has been equipped to the inlet unit to prevent the sample from contamination.
12. The self-priming peristaltic pump delivers the sample liquid from a container through a small diameter jet into the main chamber to avoid secondary pollution. To make sure the process

conducted steady and smoothly.

13. Narrow size distribution, more than 95% of the dry powders are in the same range of particles.

14. Automatic jet cleaner (stylet) prevents the jet from becoming blocked and variably controlled.

15. Innovative tower wall purging device, improves the material recycling rate.

Technical data:

Max capacity: 1500-2000ml/h

Temperature range of Inlet air: 30°C -280°C

Temperature range of outlet air: 30°C -140°C

Precision of temperature: ± 1 °C

Dryer time: 1.0-1.5 S

Speed of squirt pump: 50-2000ml/h (Adjustable)

Spray system: 1 liquid nozzle (standard 1.0mm)

Blowing rate: 0-330m³/h, 686Pa

Air compressor: 4.2m³/h, 2-5bar

Spray direction: downwards co-current

Heater power: 3KW 220V

Dimensions (H×W×D):1200×650×500mm³

Warning: This lab spray dryer can only be used for aqueous solution, Organic solvent forbidden!