



Two-fluid Spray Dryer



Centrifugal Spray Dryer

DSF-3L (two-Fluid Spray Dryer) DSF-3L (Centrifugal Spray Dryer)



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Centrifugal Spray Dryer

Darsun Scientific

3L stainless steel spray dryer

DSF-3L (two-Fluid Spray Dryer)

DSF-3L Centrifugal Spray Dryer)



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- Equipped with a nozzle cleaner. When the nozzle is blocked, it will be automatically cleared and the frequency of needle cleaning can be automatically adjusted.
- The entire drying system is made of stainless steel, so that the drying process can be carried out in a pollution-free environment.
- Built-in oil-free air compressor, the particle size of the powder spray is normally distributed, the fluidity is very good. The noise is very low, less than 60db.
- The design of drying temperature control adopts real-time PIO constant temperature control technology, which makes the temperature control accurate in the whole temperature zone and the heating temperature control accuracy $\pm 1^{\circ}\text{C}$.
- The feed volume can be adjusted by a peristaltic feed pump, and the minimum sample volume is 50 ml.
- The particle size of the finished dry powder after drying is relatively uniform.
- For sticky materials, there is a nozzle cleaner (through needle). When the nozzle is clogged, it will be cleared automatically, and the frequency of needle passing can be automatically adjusted.

Model	DSF-3L (two-Fluid Spray Dryer)	DSF-3L Centrifugal Spray Dryer)
Air inlet temperature control	30~300°C	
Air outlet temperature control	30~300°C	
Maximum feed amount	Max . 3000ml/h (adjustable)	
Feeding mode	Peristaltic pump adjustment	
Minimum feed amount	520ml	
Average frying time	1.0~1.5S	
Nozzle diameter	1.00mm (0.7,1.5,2.0) optical	
Draught fan	0.55Kg 100m ³ /h	
Air compressor power	1.2 108L /min	
Electric heater power	5kw	6kw
Machine power	7kw 220V/50hr	
Overall dimension	1450X800X800mm	1100X900X1600mm
Weight	148 kg	150kg