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噴霧 乾燥機

SPRAY DRYER

生產型
Production Size



實驗型
Laboratory Size

原理介紹 +

利用抽風機以及送風機將加熱並淨化後之空氣，送入機體內，另一組高速旋轉噴霧頭將PUMP送入的溶液、糊狀液，霧化成極小水珠，相互結合熱氣瞬間將液體中的水份蒸發帶走，原有的固型成份經收集器取得，達到直接乾燥的目的。

適用產業 +

科學中藥濃縮製劑、食品肉精粉、果汁粉、奶粉及化工原料生產。

功能 +

將溶液、糊狀液的原料直接乾燥去除水份成細粉。

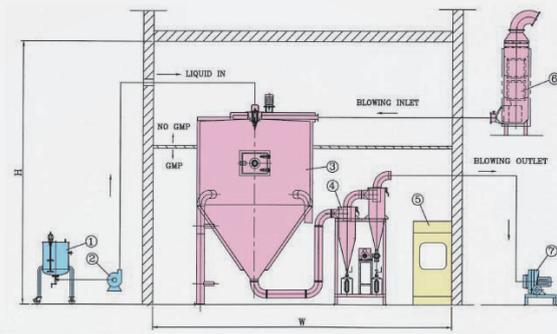
特點 +

- 將溶液、糊狀液的原料直接乾燥成細粉，填加物少。
- 乾燥後不會改變原物料之本質。
- 高濃度及高黏度液體也可乾燥。
- 瞬間乾燥，乾燥時間短。
- 對熱敏感之原料，可保持原料之色、香、味。
- 風量控制採用比例式自動風門控制。
- 控制系統PLC自動控制，亦可選購人機介面控制，操作方便。
- 如有使用有機溶劑可贈購防爆裝置，確保安全性。
- 可因產品特性不同，加裝各項選擇配備，如溫度記錄器、自動清洗系統、除濕裝置...等。
- 設計和製造均合乎cGMP規範及美國FDA要求。

THEORY +

Heated and purified air flows into the column through exhaust and suction fan, use one set of fast rotating spray nozzle to atomize the solution or paste liquid which sent by pump into very small drop, the drop will combine with heated air and moisture be evaporated to get drying purpose. The original solid ingredient will be collected by collector.

流程圖 | FLOWCHART +



- | | |
|-------------------|--------------------|
| 1. Solution Tank | 5. Control Panel |
| 2. Pump | 6. Heater |
| 3. Granual Body | 7. Blowing Machine |
| 4. Dirt Collector | |

APPLICATION +

Chinese herbal medicine, meat seasoning, fruit favored powder, milk powder, chemical raw materials.

- CIP auto cleaning system
- Dehumidifier facility
- All the design and manufacture are qualified cGMP standard and FDA requirement.

FUNCTION +

Dry into powder from the solution or paste liquid.

FEATURE +

- Dry into powder from the solution or paste liquid.
- The original essence of material will not be changed after drying.
- Able to dry high viscosity and concentration liquid.
- Instant dry, short drying time.
- Even for hot sensitive materials, also can retain original color, favor and smell.
- Air volume control is proportional by automatic air gate.
- PLC auto control system or touch screen interface for easy operation.
- Explosion proof system is available for organic solvent process.
- Optional equipment for different product feature.
- Temperature recorder

中型
Medium



規格表 | SPEC

型號 Model	桶身直徑 Diameter of Tank (MM)	產量(L/HR) 依噴霧入水量計算	室內配置尺寸 Size (MM) (W/L/H)
YS-SD-2	800	01-02	1200X1500X2200
YS-SD-5	900	02-05	1500X2000X2500
YS-SD-10	1200	06-10	2000X2600X2800
YS-SD-15	1400	10-15	4500X4500X4000
YS-SD-20	1500	12-20	5000X5000X4500
YS-SD-30	1750	20-30	5000X5500X5000
YS-SD-50	2000	30-50	6000X6000X7000