

+ 真空冷凍 乾燥機

VACUUM FREEZE DRYER

原理介紹 +

利用凍結與真空的技術將冷凍後的藥物或食品中的溶劑昇華，再將昇華之氣體冷凝成液態水排除，以降低濕度，達到快速乾燥之目的。

適用產業 +

生技／製藥：提高藥物製劑的安定性

中藥／食品加工：保留有效成分

功能 +

乾燥產品、延長保存期限、穩定藥性

THEORY +

Freeze drying is a method for using a vacuum and a freezing process (known as "lyophilization") to remove moisture from perishable food or medicines through sublimation, then collects vapor to reach drying purpose. Freeze drying affects product's texture more than other preservation methods and makes the nutritional value and flavor stay intact.

FUNCTION +

To dry product at low temperature to preserve, stabilize, store and increase the life of drug products without damaging their physical structure.

APPLICATION +

Pharmaceuticals/Biotechnology/Chinese herbals/ Food process industries

特點 +

- 圓形與長方型乾燥室上達5m³。
- 分別閥門的雙乾燥室系統。
- 鉸鏈固定滑動門。
- 隔板尺寸與距離可調上達90m²。



- 接觸面積不鏽鋼SUS316L。
- 溶劑用冷凝器。
- CIP 自動清洗系統。
- 含視窗玻璃可視乾燥過程。
- 乾燥盤。
- 防爆系統。
- 設計和製造均符合cGMP規範及美國FDA要求。

FEATURE +

- Round and rectangular drying chambers up to 5m³
- Two-chamber system with separate valve
- Hinged and sliding doors
- Flexible sizes of shelves and distance up to 90m²
- Materials made of stainless steel 316TI, 316L
- Condenser for solvents
- Automatic cleaning CIP
- Visualization of process
- Trays for product
- Explosion-proof version
- GMP conform version

規格表 | SPECIFICATION

型號 Model	容量 Capacity (L)	冷凝溫度 Freeze Temperature
YS-VFD-50	50	-50~60
YS-VFD-100	100	-50~60
YS-VFD-200	200	-50~60
YS-VFD-300	300	-50~60
YS-VFD-300	400	-50~60