

YC-1800实验室低温喷雾干燥机

YC-1800 Laboratory Spray Dryer

YC-1800实验室低温喷雾干燥机是上海雅程仪器设备有限公司专注于喷雾干燥技术的突破性进展，设计的初衷就是降低喷雾干燥的进风温度以改善含糖物料的干燥效果，并吸收了我司在喷雾干燥领域多年以来用户的反馈意见，特别是中药领域用户的反馈，在实验室，能对中药（中草药），天然产物提取物和果汁等，在105℃的低温条件下，得到流动性和溶解性极好的粉末颗粒，而且得率极高，为热敏物料提供了极为方便极为安全的干燥方法，如生物制品，含糖量高的中药天然产物提取物，不耐热的高分子材料，遇热气化的材料等等。

YC-1800 laboratory low-temperature spray dryer is a breakthrough of Shanghai Pilotech Instrument and Equipment Co., Ltd., a company dedicated to spray drying technology. It is designed to reduce inlet air temperature to improve drying effects on sugar-containing materials. The device absorbs the feedbacks from our users in the past years, especially feedbacks from users in the field of Chinese medicine. In laboratories, the device can dry Chinese herbal medicine, natural product extractives and juice under 105°C to get powder of excellent fluidity and solubility. And the recovery rate is quite high. This technology provides an extremely easy and safe method of drying heat-sensitive materials such as biological products, sugar-rich natural Chinese medicine extractives, heat-labile polymers and materials that will gasify when heated.



1、机架采用不锈钢制作，二流体喷雾的雾化结构；干燥室采用不锈钢和玻璃混合结构（非视镜），使用安全并利于实验结果观察；

Spray chamber, cyclone separator, collector are all made of SUS 304 stainless steel & borosilicate glass. It can work in a no-pollution and stable environment, and sight glass equipped so the whole process can be inspected. All the spare parts are easy to install and clean.

2、彩色LCD触摸屏操作控制，全中文操作界面。

7" high-resolution LCD touch screen, human-oriented interface with English, Optimize operation procedure.



Mini Spray Dryer YC-1800

The world leading R&D solution for Spray Drying

3、额定物料处理量：1500~1800mL/H；

Capacity:1500~1800mL/H

Evaporation rate of water at inlet temperature of 105°C using Standard: Approximately 1500 ml~1800ml/hour,can be used for thermo-sensitive material

4、最小样品量：30~50ml（视物料固形物含量差异）；

Min sample:30~50ml(Depending on the difference in solid content of the material)

5、实时调控PID恒温控制技术，加热控温精度：±1°C；

YC-1800 lab spray dryer applies PID100 to assure accurate temperature control and easy parameter adjusting,

6、喷嘴口径: 0.5mm、0.8mm、1mm、1.5mm、2mm 可选，并可根据客户要求定制；

Standard with 0.8 mm jet and other sizes are available as accessories (0.5mm,1.0mm,1.5mm ,2.0mm is optional)

7、设备采用负压喷雾干燥，干燥后的颗粒最大能达到100微米；

Particle size:1-100um,normal distribution



8、在低温105 °C条件下负压完成瞬间喷雾干燥，干燥彻底，适合天然产物和中草药提取液的喷雾干燥，干燥后的物料水分含量低于1%；

Spray dry at low temperature (105°C) using for thermo-sensitive material.

9、进风温度 105~200 °C

Inlet air temp.: 105~200°C

10、喷雾头位于干燥室中部，既可以并流干燥，也可逆流干燥，可按照物料特点延长或缩短干燥时间，更适合热敏性物料；

The spray atomizer is located in the middle of the drying chamber.

11、流化床干燥功能：很多实验室，不但需要对液态物料进行干燥，也有很多的粉末需要干燥，但是真空箱或者其他干燥方式，效率低，还达不到干燥效果，YC-1800实验室低温喷雾干燥机，内置流化床干燥功能，有效对含有水分的粉末进行干燥，效率高，干燥后的物料水分含量低，一机两用。

Fluid-bed drying is provided as an optional function. Besides liquids, many labs need drying lots of powders. But vacuum chambers or other drying tools are ineffective for drying powders. YC-1800 spray dryer, with built-in fluid-bed drying function, can effectively dry up powder that contains water to low moisture content. One machine can be used for two purposes (optional) .

12、电源：220V 整机功率：3.5KW

Power: 3.5KW/220V