

YC-015实验室喷雾干燥机

YC-015 Laboratory Spray Dryer



1、全自动控制与手动控制双重控制模式，整个实验过程彩色LCD触摸屏动画显示：

全自动控制：一键式开机，设定喷雾工艺参数后，温度到达预定温度，蠕动泵自行启动；

手动控制：可方便从自动状态切换至手动状态来修改参数

Dual control modes of fully automatic control and manual control are available. During the entire experimental process, the color LCD touch screen animation display is available:

2.内置全无油空压机，空压机配备不锈钢储气罐以防止腐蚀（空压机可选外置）；

A built-in oil-free air compressor must be equipped with the stainless steel air tank to prevent corrosion

3.喷雾头为同心喷雾头，雾化时确保没有任何偏心而导致喷到瓶壁一侧，喷雾头安装后可以上下移动，以利于调整雾化位置改善喷雾干燥效果；喷雾头材质为SUS316L不锈钢（可选三流体喷雾头，适用更多物料混合需要）；

The spray head is a concentric one. It guarantees no eccentricity during atomization that may lead to spraying to the bottle wall. The spray head can move up and down after installed to facilitate the adjustment of the atomization position to improve the spray drying effect. The spray head is made of SUS316L stainless steel.;

4.关机保护功能：关机时只需按停止键，机器除风机外立即停止运行，保证设备不会因为误操作（强行关风机）而导致加热部分烧坏；

Shutdown protection function: just press the stop button when shutting down. The machine will stop running immediately except for the blower to ensure that the heating part of the equipment will not break down due to improper operation (shutting down the blower by force);

5、可以升级成带氮气循环系统的有机溶剂使用机型 ; It can be upgraded to an organic solvent model with inert loop system.

6、尾气可选配1微米精密过滤器;
For the exhaust gas, 1 micron precision filter is optional;

7、物料处理量:1500ml/h~2000ml/h ;
Capacity:1500~2000ml/h at inlet temperature of 200° c

8、最大进料量:蠕动泵可调最大为2000ml/h最小物料量:30~50ml(视物料固形物含量差异) ;
The maximum feeding amount: The peristaltic pump is adjustable and the maximum is 2000ml/h. The minimum material volume: 30~50ml (depending on the difference in the solid content of the materials);

9、整机机架全不锈钢制作,二流体喷雾的雾化结构,喷雾、烘干及收集系统采用透明的优质高硼硅耐热玻璃材料制造 (也可选用SUS304不锈钢或SUS316L不锈钢制造);
The entire equipment framework is made of stainless steel with the two-fluid spray atomizing structure. The spraying, drying and collection systems are made of the high-quality borosilicate glass material (SUS304 stainless steel or SUS316L stainless steel is optional);

10、彩色LCD触摸屏参数显示并调整:进风口温度/出风口温度/蠕动泵转速/风量/通针频率;
Color LCD touch screen parameters display and adjustment: inlet temperature outlet temperature/peristaltic pump speed/air volume/deblocker frequency;

11、喷嘴口径:0.5mm/0.8mm/1.0mm/1.5mm/2.0mm 可选, 并可根据要求定制;
Standard with 0.8 mm jet and other sizes are available as accessories (1mm 2mm 1.5mm 0.5mm)

12、进风温度:30 °C ~300°C, 出风温度:30 °C~140°C; (进风温度在130°C能实现瞬间干燥,干燥后的物料含水率低于1%)
Inlet temperature: 30°C~300°C, outlet temperature: 30 °C~140°C; (when the inlet temperature reaches 130 °C, the instantaneous drying can be achieved and the moisture content of the dried materials is less than 1%)

13、干燥时间:1.0~1.5S;
Drying time: 1.0~1.5S;

14、设有喷嘴清洁剂(通针),在喷嘴被堵塞时,会自动清除,通针的频率可自动调整;
A deblocker cleaner (needle) is equipped and it will automatically clear the blockage when the nozzle is blocked. The frequency of the deblocker needle can be adjusted automatically.

15、尺寸:650×550×1200MM
Dimension:650×550×1200MM

16、塔壁吹扫功能(选配) ;
Tower wall purging function (optional);

17、可选配雅程在线除湿机。
Pilotech's online dehumidifier is optional.