

CHANGZHOU XINGGAN DRYING EQUIPMENT CO.,LTD

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Vacuum Single Cone Dryer



Description

The single-cone spiral ribbon hybrid vacuum dryer is a kind of use of spiral ribbon to rotate the material and pass the heat transfer medium (such as hot water, heat transfer oil, steam, etc.) into the conical jacket and hollow spiral belt at the same time, so that the heated material will be removed from the Lifting around and falling from the middle, fast and continuous cycle flip, and the water vapor is taken away in time through the vacuum in the cylinder, so that the material can achieve the purpose of drying and mixing in a short time. Compared with the traditional vertical mixer, there is no transmission mechanism in the cylinder, which fundamentally eliminates the material pollution caused by the leakage of lubricating oil, and the operation is reliable and stable. It is especially suitable for the mixing of powders and particles with high hygiene requirements; it is also suitable for The mixing and mixing of viscous fluid or thick and wet materials is the main material; compared with other horizontal dryers, it has the advantages of convenient discharging, which can discharge 100% completely, and is convenient for operation and maintenance. Its drying efficiency is 3-5 times that of the "Double Cone Rotary Vacuum Dryer" of the same specification.

Application

This vacuum dryer is more suitable for final drying of products, such as: powder, granule, paste and paste products, especially effective for drying fragile and heat-sensitive materials. Mainly applicable to medicine, food, chemical and other industries

Features

- 1、 The speed reducer directly drives the agitator to rotate.
- 2、 Wide application range, can be used for mixing powder and powder, powder and liquid, and can also be used as reaction equipment and drying equipment.
- 3、 A spray device can be added according to user requirements, so that a proper amount of liquid can be sprayed into the material.
- 4、 The rotation speed can be adjusted according to the process requirements. When the rotation speed is low, the drying effect is dominant; when the rotation speed is high. Its mixing effect is dominant.
- 5、 Therefore, by choosing this equipment, it is possible to combine the two types of equipment to achieve the purpose, and now they can be combined into one, saving costs.

TECHNICAL PARAMETER

Item specifications	50	100	200	500	1000	1500	2000	3000
Working volume (L)	50	100	200	500	1000	1500	2000	3000
Maximum working volume (L)	35	70	140	350	700	1000	1400	2100
Stirring power (kw)	1.1	1.5	2.2	4	5.5	7.5	15	18.5-22
Stirring speed (rpm)	9-18			6-11				
Operating temperature (°C)	40-140							
Evaporation capacity (kg/h)	3-6	4-7	5-9	9-15	16-25	20-35	25-45	35-60
Dimensions (mm)	100x650x1580	1200x800x2100	1300x950x2600	1600x1200x3400	2000x1500x4850	2200x1800x5500	2500x2000x6250	3000x2800x6800

More Photos



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