

MFG系列脉动真空干燥机

MFG Series Pulse Vacuum Dryer

► 用途 (Application)

MFG系列脉冲真空干燥机广泛应用于以下领域：

化工行业：特别适用于对温度敏感、易氧化或有毒物质的干燥。

食品工业：用于处理需要精确控制湿度和温度的食品成分。

电子行业：适合于处理对高温敏感的电子材料，确保产品质量。

The MFG Series Pulse Vacuum Dryer is widely used in the following areas:

Chemical Industry: Particularly suited for drying heat-sensitive, easy-to-oxidize, and toxic materials.

Food Industry: Used for processing food ingredients that require precise humidity and temperature control.

Electronics Industry: Suitable for handling electronic materials that are sensitive to high temperatures, ensuring product quality.



► 特点 (Features)

先进的脉冲真空技术：利用脉冲真空条件增强干燥过程，通过降低水和其他溶剂的沸点，在较低温度下促进蒸发。

多样的加热介质选项：能够使用蒸汽、热水或热油等多种加热介质，适应不同物料的温度需求。

均匀干燥和高效率：配备多个排气口，确保蒸发的湿气迅速被移除，促进均匀干燥并防止热点。脉冲真空操作进一步加速干燥过程，提高生产效率。

符合GMP标准的设计：干燥室全焊接无死角，符合GMP（良好制造规范）标准，为处理敏感材料提供卫生且无污染的环境。

节能操作：在真空条件下以较低温度运行，实现高效蒸发同时消耗较少能量，有助于节约成本和环境保护。

模块化托盘系统：干燥托盘可根据批次大小和物料调整配置，从4到96个托盘不等，适应不同的干燥需求。

水分回收系统：集成真空泵、管式冷凝器和缓冲罐，有效回收蒸发的水分，适合需要水分回收的物料。

Advanced Pulse Vacuum Technology: Utilizes pulse vacuum conditions to enhance the drying process by lowering the boiling point of water and other solvents, facilitating evaporation at lower temperatures.

Versatile Heat Medium Options: Can use various heat mediums such as steam, hot water, or thermal oil, providing flexibility to meet specific temperature requirements for different materials.

Uniform Drying and High Efficiency: Equipped with multiple exhaust vents to promptly remove evaporated moisture, promoting uniform drying and preventing hot spots. The pulse vacuum operation further accelerates the drying process for enhanced productivity.

GMP Compliant Design: The fully welded drying chamber without dead corners adheres to GMP standards, ensuring a hygienic and contamination-free environment suitable for processing sensitive materials.

Energy-Efficient Operation: Operates at lower temperatures due to vacuum conditions, achieving high evaporation rates while consuming less energy, contributing to cost savings and environmental sustainability.

Modular Tray System: Configurable with 4 to 96 trays depending on batch size and material being dried, offering flexibility to adapt to various drying needs.

Moisture Recovery System: Integrated with a vacuum pump, tubular condenser, and buffer tank, efficiently recovering evaporated moisture, ideal for materials where moisture recovery is necessary.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	MFG-32	MFG-48	MFG-64	MFG-96
板层层数 Number of Board Layers	-	8	12	8	12
烘车数量 Number of Drying Carts	-	1	1	2	2
烘盘数量 Number of Drying Trays	-	32	48	64	96
干燥温度范围 Drying Temperature Range	℃	50-90			
板层允许压力 Allowable Pressure of the Plate	bar	<4			
烘盘尺寸 Drying Tray Size	mm	585*400*50			
加热方式 Heating Method	-	蒸汽、电、热水 Steam, electricity, hot water			
板层面积 Plate Area	m²	8	12	16	24
外形尺寸 Overall Dimensions	mm	2100*1550*2200	2100*1550*2640	2520*2480*2200	2520*2480*2640
设备重量 Equipment Weight	kg	2800	3200	5200	6000