

ZPG Series Vacuum Harrow Dryer ZPG 系列真空耙式干燥机



应用 Application

- 医药、食品、化工等行业进行以下物料干燥。
 - 适用于浆状、膏糊状、粉状物料。
 - 要求低温干燥的热敏性物料。
 - 易氧化、易爆、强刺激、剧毒物料。
 - 要求回收有机溶剂的物料。
- The materials from such as the medicine, food, chemical industry, etc. Can be dried.
 - Suitable for pulpiness, paste-like mixture or power raw material.
 - Temperature sensing material requiring the low temperature to be dried.
 - Raw materials that are easy to oxidize or explode and have strong irritative or toxic.
 - Demand to retrieve of the organic solvent.

原理 Principle

- 本干燥设备是在引进吸收国内耙式干燥技术的基础上改进的一种新颖卧式间歇式真空干燥设备, 湿物料经传导蒸发, 带有刮板搅拌器不断清除热面上的物料, 并在容器内推移形成循环流, 水份蒸发后由真空泵抽出。
- 本公司是国内耙式干燥机最专业的生产厂家。
- It is an innovation horizontal batch-type vacuum drier improved on the basis of introduced technology of other harrow driers. The moisture of wet material will be evaporated by heat transmission. The stirrer with squeegee will remove material on hot surface and move in the container to form cycle flow. The evaporated moisture will be pumped by vacuum pump.
- Our company is specialized in producing Harrow Dryer.



技术参数 Technical parameters

项目 Item	机型 type										
名称 Name	单位 unit	ZPG-500	ZPG-750	ZPG-1000	ZPG-1500	ZPG-2000	ZPG-3000	ZPG-5000	ZPG-8000	ZPG-10000	
工作容积 Working volume	L	300	450	600	900	1200	1800	3000	4800	6000	
内筒尺寸 size in the cylinder	mm	φ600x1500	φ800x1500	φ800x2000	φ1000x2000	φ1000x2600	φ1200x2600	φ1400x3400	φ1600x4500	φ1800x4500	
搅拌转速 Stirring revolution	rpm	10~15		10		8~10		5	5	5	
功率 Power	kw	3	4	5.5	5.5	7.5	11	15	22	30	
夹层设计压力 Design pressure of jacket	MPa	<0.3									
筒内压力 Pressure in the cylinder	Mpa	-0.09 ~ -0.096									
换热面积 (筒体+耙尺)	m ²	2.4+1	3.2+1.2	4.5+1.5	5.6+1.8	7.5+2.2	9+2.5	14+3.5	21.6+5.5	24.3+5.5	

注: 水份蒸发量与物料的特性及干燥温度有关。随着产品不断更新, 有关参数变更, 恕不预先通知。
Notes: the evaporated amount of water is related to the characteristics of raw materials and the temperature of air in and air out. With renew products unceasingly, the related parameters will be exchanged, it does not announce in advance, pardon!

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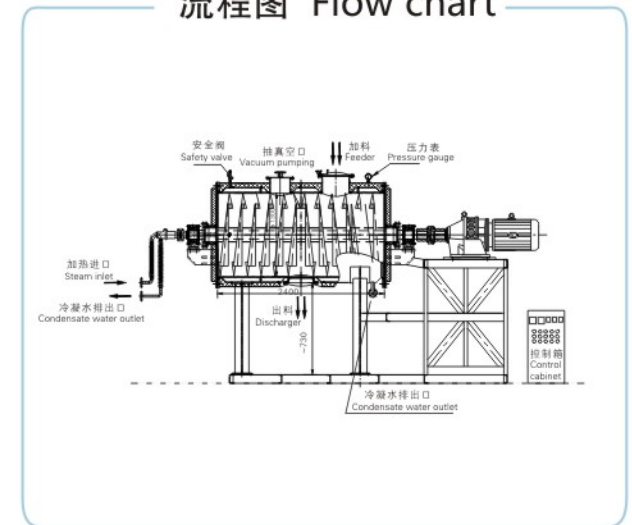
特点

- 本机采用大面积夹层加热方式, 传热面大, 热效率高。
- 本机设置搅拌, 使物料在筒内形成连续循环状态, 进一步提高了物料受热的均匀度。
- 本机设置搅拌, 从而可顺利进行浆状、膏状、糊状物料干燥。
- 特殊出料口设计, 使出料口更加密封和不容易积料, 并且出料更方便。
- 密封分机封和填料密封两种, 特殊的设计保证了密封性和使用寿命。
- 轴、耙叶的特殊加工, 大大保证了轴的强度和同心度。
- 可根据用户要求在轴内通介质和增加振击装置。
- 根据不同的物料配置不同的过滤形式。
- 5m³以上耙干机夹套采用半管式夹套。

Features

- Being adapted the big area heating way, its heat conducting area is large and its heat efficiency is high.
- Being installed stirring in the machine, it makes raw material in cylinder form the state of continuous circle inside the cylinder, so the uniformity to be heated of raw material is raised greatly.
- Being installed stirring in the machine, pulpiness, paste-like mixture or powder raw materials can be dried easy.
- Special idea of discharging poet, better sealing and few material accumulating, discharge is easy.
- There are two seal model: mechanical and filling.
- The design supply good seal and long life.
- The special technics of shaft and harrow supply high strength and concentric.
- The medium in shaft and adding vibrating equipment will be equipped with requirement.

流程图 Flow chart



结构示意图 Schematic of structure

