

WFG系列卧式沸腾干燥机

WFG Series Horizontal Boiling Dryer

► 用途 (Application)

WFG流化床干燥机广泛应用于多个行业，包括但不限于：

制药业：用于药物成分及制剂的干燥。

化工业：适合于各类化学物质的干燥处理。

食品业：可用于各种食品原料及成品的干燥。

粮食加工业：适用于谷物、豆类等农产品的干燥。

饲料业：用于动物饲料的制造过程中物料的干燥。

这种设备因其高效、节能、环保及可靠的操作性能，在众多领域中都表现出色。

WFG fluidized bed dryers are widely used in many industries, including but not limited to:

Pharmaceutical industry: used for drying drug ingredients and preparations.

Chemical industry: suitable for drying various chemical substances.

Food industry: can be used for drying various food raw materials and finished products.

Grain processing industry: suitable for drying agricultural products such as grains and beans.

Feed industry: used for drying materials in the manufacturing process of animal feed.

This equipment has performed well in many fields due to its high efficiency, energy saving, environmental protection and reliable operation performance.



► 特点 (Features)

集成组件：包括空气过滤器、加热器、流化床主机、旋风分离器、袋式除尘器、高压离心风机和操作台等关键部件，形成一个功能全面的系统。

多功能加热选项：支持蒸汽、电或热风炉加热方式，可根据用户需求和操作条件定制。

高效除尘：根据物料特性提供灵活的除尘选择，如旋风分离器和/或袋式除尘器，以达到最佳性能。

流化技术：利用流态化原理，增强热空气与固体物料之间的接触，提高传热和传质效率。

负压操作：通常在负压下运行，减少粉尘排放，改善工作环境的安全性。

适应性喂料解决方案：支持星型喂料、气力输送、带式输送或根据用户需求定制的喂料方法。

自动化生产：能够实现自动化生产，有助于提高生产力和降低劳动力成本。

可定制设计：为满足独特用户需求提供特别设计，根据处理物料类型调整风机功率。

Integrated components: Includes key components such as air filters, heaters, fluidized bed main unit, cyclone separator, bag filter, high-pressure centrifugal fan and operating table to form a fully functional system.

Versatile heating options: Supports steam, electric or hot air furnace heating methods, which can be customized according to user needs and operating conditions.

Efficient dust removal: Provides flexible dust removal options such as cyclone separators and/or bag filters according to material characteristics to achieve optimal performance.

Fluidization technology: Uses the principle of fluidization to enhance the contact between hot air and solid materials and improve heat and mass transfer efficiency.

Negative pressure operation: Usually operates under negative pressure to reduce dust emissions and improve the safety of the working environment.

Adaptive feeding solutions: Supports star feeding, pneumatic conveying, belt conveying or customized feeding methods according to user needs.

Automated production: Ability to achieve automated production, which helps to improve productivity and reduce labor costs.

Customizable design: Provides special designs to meet unique user needs and adjusts fan power according to the type of material being processed.



► 技术参数 (Technical Parameters)

参数ITEM	型号TYPE	WFG	WFG	WFG	WFG	WFG	WFG	WFG	WFG	WFG
		0.25-1	0.25-2	0.25-3	0.25-6	0.3-4	0.3-6	0.3-8	0.3-10	0.4-4
床层面积 Bed Area	m²	0.25	0.5	0.75	1.5	1.2	1.8	2.4	3	1.6
干燥能力Drying Capacity	kg h2o/h	10-15	20-25	0.30-45	52-75	42-60	63-90	84-120	105-150	56-80
风机功率 Fan Power	kw	5.5	7.5	15	22	18.5	30	37	48	30
进风温度 Inlet Air Temperature	°C	120-140								
物料温度 Material Temperature	°C	40-60								
外形尺寸 Overall Size	m	1*0.6 *3.35	2*0.6 *3.35	4*0.6 *3.35	6*0.6 *3.35	4*0.7 *3.4	6*0.7 *3.4	8*0.7 *3.4	10*0.7 *3.4	4*1* 3.58
占地面积 Occupied Area	m²	18	25	35	40	38	45	56	70	18