

XF Series Horizontal Fluidizing Dryer



The clean and hot air enters into fluid bed through distributor of valve plate. The wet material is fed from the feeder forms the fluid state by hot air. Because of the wide contact between hot air and raw materials, the time of drying is short. If use continuous type, the material enters from the front of bed, fluidized in bed for several minutes, and float another side of bed. The machine works in negative pressure.

Applications

Drying process of medicines, chemical raw material, foodstuff, grain processing, feed and so on. For example, raw medicine, tablet, Chinese medicine, foodstuff of health protection, drinks, maize germ, feed, resin, citric acid and other powders. The suitable diameter of raw material is normally 0.1-0.6mm. The most applicable diameter of raw material will be 0.5-3mm.

Features

Through operation and improvement over 30 years, it has play an active part in the fields of pharmaceutical, chemical, foodstuff, gain and so on industries. It consists of air filter, fluid bed, cyclone separator, dust collector, high-speed centrifugal fan, control cabinet and so on. Because of the difference of property from raw material, it is necessary to equip dust remover in accordance with practical needs. It may select cyclone separator and dust collector both or one of them. In general, cyclone separator can be selected if the raw material is larger and the dust collector may be selected if the raw material is light. Moreover, there is pneumatic feeding device for your selection. There are two kinds of operation for this machine, continuous and intermittent type.

Parameter

spec \ item	drying capacity (kg/h)	power of fan (kW)	air pressure (Pa)	air velocity (m ³ /h)	Tem. of inlet air (°C)	Max consume (J)	Form of feeding
XF10	10~15	7.5	5.5x10 ³	1500	60~200	2.0x10 ⁸	shape valve pneumatic conveying
XF20	20~25	11	5.8x10 ³	2000	60~200	2.6x10 ⁸	
XF30	30~40	15	7.1x10 ³	3850	60~200	5.2x10 ⁸	
XF50	50~80	30	8.5x10 ³	7000	60~200	1.04x10 ⁹	