

CHANGZHOU XINGGAN DRYING EQUIPMENT CO.,LTD

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## XF Series Horizontal Fluidized Dryer



## Description

Fluidized drying, also known as fluidized bed, consists of air filter, heater, fluidized bed, cyclone separator, bag-type dust collector, high-pressure centrifugal fan and operation table. Due to the different nature of the dried materials, equipped dedusters may be considered according to different needs: you can choose both of cyclone separator, bag-type dust collector or either one of them.

## Application

Drying operation of medicines, chemical raw materials, food, food processing and forage. Such as: drying raw material medicine, tablet granules, electuary of Chinese medicine, health food, beverage powder, corn germ, forage, Plastic resin, citric acid and other powder materials. Particle size of application is generally 0.1 ~ 6mm, and the optimum size is 0.5 ~ 3mm.

## Working Principle

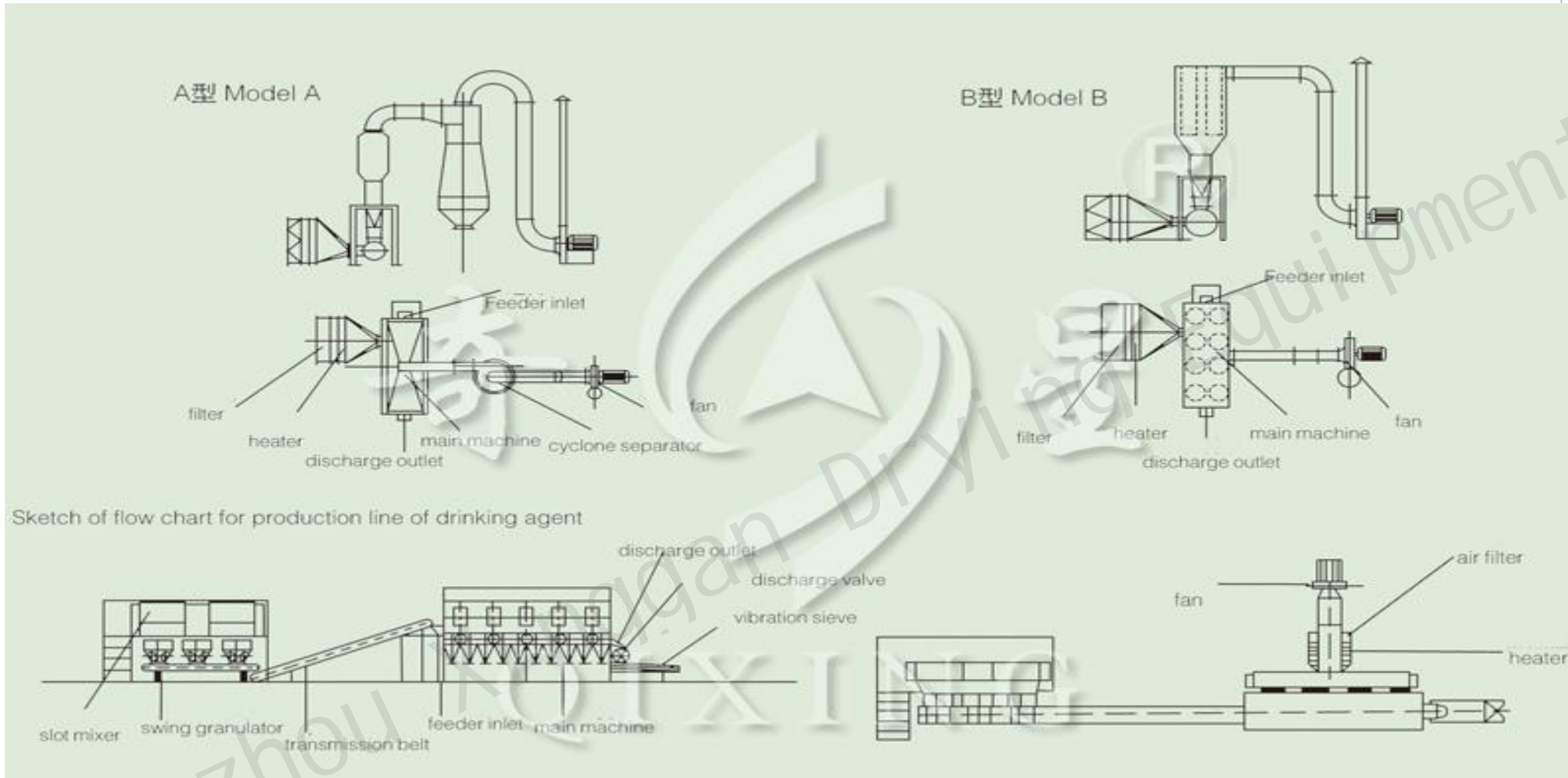
Clean hot air goes into the bed distributed through valve plate; wet materials from feeder go into boiling under hot wind. The wide contact between hot air and the materials enhanced heat

and mass transfer process so it can be dried in a relatively short period of time. If continuously, materials enter from one end of the bed and, after fluidized drying for tens seconds to a few minutes, automatically flows out from the other end of the bed. This equipment is generally operated at negative pressure.

## TECHNICAL PARAMETERS

Model/Item	Area of Bed Layer (m <sup>2</sup> )	Drying Capacity (kg H <sub>2</sub> O/h)	Fan Power (kw)	Inlet Air Temperature (°C)	Material Temperature (°C)	Overall Dimension(Dryer Body) L×W×H(m)	Occupied Area (m <sup>2</sup> )
XF0.25-1(XF10)	0.25	10-15	5.5	120-140	40-60	1×0.6×3.35	18
XF0.25-2(XF20)	0.5	20-25	7.5	120-140	40-60	2×0.6×3.35	25
XF0.25-3(XF30)	1.0	30-45	15	120-140	40-60	4×0.6×3.35	35
XF0.25-6	1.5	52-75	22	120-140	40-60	6×0.6×3.35	40
XF0.3-2	0.6	24-30	7.5	120-140	40-60	2×0.7×3.4	25
XF0.3-4	1.2	42-60	18.5	120-140	40-60	4×0.7×3.4	38
XF0.3-6	1.8	63-90	30	120-140	40-60	6×0.7×3.4	45
XF0.3-8	2.4	84-120	37	120-140	40-60	8×0.7×3.4	56
XF0.3-10	3.0	105-150	48	120-140	40-60	10×0.7×3.4	70
XF0.4-4	1.6	56-80	30	120-140	40-60	4×1×3.58	18
XF0.4-6	2.4	84	37	120-140	40-60	6×1×3.58	56
XF0.4-8	3.2	112-160	44	120-140	40-60	8×1×3.58	74
XF0.4-10	4.0	140-200	66	120-140	40-60	10×1×3.58	82
XF0.4-12	4.8	168-240	66	120-140	40-60	12×1.2×4.1	96
XF0.5-4(XF50)	2.0	70-100	30	120-140	40-60	4×1.2×4.1	50
XF0.5-6	3.0	140-200	66	120-140	40-60	6×1.2×4.1	70
XF0.5-8	4.0	140-200	66	120-140	40-60	8×1.2×4.1	82
XF0.5-10	5.0	175-250	90	120-140	40-60	8×1.2×4.1	100
XF0.5-12	6.0	210-300	90	120-140	40-60	12×1.2×4.1	140
XF0.5-14	7.0	245-350	150	120-140	40-60	14×1.2×4.1	180
XF0.5-16	8.0	280-400	150	120-140	40-60	16×1.2×4.1	225
XF0.5-18	9.0	315-450	150	120-140	40-60	18×1.2×4.1	268

# More Photos





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