



SXG-20 Series Cellulose Flash Dryer



Hot air in a tangential direction enters the bottom of the rotary flash dryer and forms a strong rotational Windfield under the action of the stirrer. The materials get into the drying equipment from a screw feeder, under the strong effect of the high-speed rotating impeller, the materials are dispersed after being rubbed and sheared. Bulk materials are quickly crushed and fully contacted with the hot air to complete drying. Dehydrated dry materials rise with the hot air, the grading ring will retain the large particles and the small ones will be excluded from the rotating flash drying machine through the ring center. The cyclone separator and dust remover will recover these materials. The wet or bulk materials will be thrown to the container wall by centrifugal force, and fall into the bottom of the flash dryer to be crushed and dried again.

SXG rotating flash drying machine is our newly developed drying equipment, with advanced technology. reasonable design, compact structure, large production capacity, and energy efficiency. This rotary flash dryer can complete drying, smashing, and screening in a single step. Equipped with a special magnetic sealing device, it meets the GMP standards.

Main Features

- 1) SXG rotating flash drying machine is equipped with a special cooling device at the bottom, thus avoiding material deterioration due to high temperature.
- 2) Wind distribution device can reduce the resistance to drying equipment and provide air volume for the dryer
- 3) This rotary flash dryer uses a particular pressurized sealing device and bearing cooling device to effectively prolong the service life of the drive part.
- 4) Material fineness and final moisture content can be adjustable
- 5) Short staying time of material can prevent the material from sticking to the wall and the thermosensitive material from deteriorating

Applicable Industries:

Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Farms, Retail, Energy & Mining, Food & Beverage Shops

Specifications

Type	Barrel diameter (mm)	Main machine dimensions (mm)	Main machine power (Kw)	Treatment wind capacity(m³/h)	Water evaporation quantity (kg/h)
SXG-2	200	250×2800	5-9	300-800	10-20
SXG-3	300	400×3300	8-15	600-1500	20-50
SXG-4	400	500×3500	10-17.5	1250-2500	25-70
SXG-5	500	600×4000	12-24	1500-4000	30-100
SXG-6	600	700×4200	20-29	2500-5000	40-200
SXG-8	800	900×4600	24-35	3000-8000	60-600
SXG-10	1000	1100×5000	40-62	5000-12500	100-1000
SXG-12	1200	1300×5200	50-89	10000-20000	150-1300
SXG-14	1400	1500×5400	60-105	14000-27000	200-1600
SXG-16	1600	1700×6000	70-135	18700-36000	250-2000