

FG-15C Fluid Bed Dryer



Feature:

- Fast drying, the temperature could be strictly controlled during drying to assure the quality of material after drying.
- With a stirring knife, designed horizontally for big granules or lumpish material, for fast drying and to avoid sticking to the wall
- Works at negative pressure with smooth and clean inside surface without dead corner, convenient for cleaning to meet requirements of GMP.

Application:

Drying herb medicine, combined powder, granules, lumpish materials, chemical products (include centrifuge deposit lumpish material)

Technical Parameter:

Cosmetic	Powder
Food & Beverages	Granule for herb instant dissolved beverages
Air seal pressure sensor	To assure machine operated at required air pressure
PT-100 (Inlet, Outlet and Product)	Precision temperature control

Interlocking air seal system	To assure all chamber air seal firm, before system can be operated
Interlocking and heating system	To assure fan active, before heating system can be operated
Explosion release damper	To release excess pressure
Capacity (Kg/batch)	10-20
Material Container Diameter (mm)	550
Material Container Volume (L)	45
Steam Consumption (Kg/h)	42
Steam Pressure (Mpa)	0.4-0.6
Compressed Air Consumption	0.3
Compressed Air Pressure	0.4-0.6
Power of Suction Fan (Kw)	5.5/7.5
Power of Electric Heating	20
Moisture	Lebih dari atau sama dengan 2
Working Temperature (°C)	Max. 120°C (adjustable from indoor temperature to 120°C)
Collection of Material	Lebih dari atau sama dengan 95%
Noise	Kurang dari atau sama dengan 70 (suction fan is separately treated)
PID Controller	To control/minimize fluctuation temperature
Grounding System	Eliminate electrostatic
Pharmaceutical	Granules for herb medicine, granules for combined tablets and capsules
Material Contact Part	SS316L
PLC	Siemens (Germany)
Inverter	Siemens (Germany)/Schneider (France)
HMI	Siemens (Germany)
Electrical Part	Schneider (France)
Emergency stop	Stop main machine in case of emergency situation