



ENGINEERING WITH INNOVATIVE IDEAS...

FLUID BED DRYERS



SHIV SHAKTI
PROCESS EQUIPMENT PVT.LTD

FLUID BED DRYERS

FEATURES

- Fluid bed dryers used for drying powders, granular crystalline, coarse or similar material in pharmaceuticals, fine chemicals, dyes, food and allied products.
- High quality & high efficiency, in compliance with cGMP Norms / guidelines.
- Aseptic, hygienic system designs
- In Compliance with FDA regulations.
- Intrinsically safe Earth / Electrical system generated due to static charge
- All product process area of the equipment is in AISI 316 / 316L stainless steel, mirror polish.
- Pre air filtration module having 20 micron filters and secondary by 5 micron.
- Inflatable silicon seals for Product container / bowl and Finger bag filter.
- Excess Pressure Flap / relief provided
- Pneumatic Product container lifting system.
- Automatic shaking of finger bag filters
- Inlet / Outlet pneumatic dampers with control valve
- Stainless steel and pressurized control panel.
- Heating options available are electrical / Steam / Thermic Fluid / LPG gas fired hot air heating system.
- Microprocessor based control panels
- Online sampling port.



OPTIONAL FEATURES

- HEPA (0.3 micron) / Absolute inlet air filter system.
- Air inlet dehumidification system
- PLC based automation of process batch control, with printable option
- Solid product Flow Monitor / detector to detect leak on filter bags to avoid material loss and air pollution
- CIP / WIP Washing in place units can be provided
- Specially designed silencer for Noise level below 90 DB

TECHNICAL SPECIFICATIONS

MODEL	SS-30	SS-60	SS-120	SS-150	SS-200	SS-250	SS-300	SS-500	
Product Container Volume (Ltrs.)	100	216	425	450	670	750	950	1450	
Batch Cap. (Kgs.)	30	60	120	150	200	250	300	500	
Electrical heating (Kw)	15	30	45	*	*	*	*	*	
Motor (HP)	5	10	15	15	20	20	25	30	
Steam Consumption (Kg/hr at pressure 3-4 Kg/cm ²)	25	50	120	160	200	230	250	295	
Dimensions (mm)	Height	2100	2340	3050	3300	3400	3500	3600	3850
	Width	1150	1200	1525	1600	1850	1900	2000	2100
	Length	1250	1450	1970	2000	2200	2300	2400	2450

Note: Output capacity will vary depending upon physical properties of material.

Note: Constant Development may induce changes in design / specification prior to notice.

Manufacturers & Exporters

SHIV SHAKTI PROCESS EQUIPMENT PVT .LTD

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