

## FLUID BED DRYER



## Siddhi Pharma Equipment

Mfg. & Exp. Of Plants & Machineries for Pharmaceuticals,  
Cosmetics, Chemicals food & Beverage Industries

Plot No. 1601/1, 3<sup>rd</sup> Phase G.I.D.C., Vapi-396195. (Gujarat)

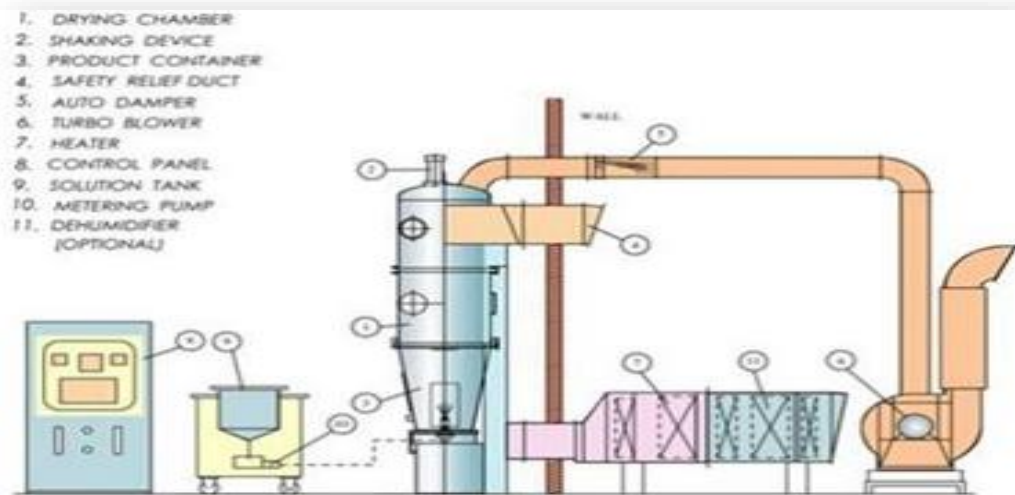
Email: [sales@sidhipharmaequipments.com](mailto:sales@sidhipharmaequipments.com); [sidhipharmaequipments@gmail.com](mailto:sidhipharmaequipments@gmail.com):

Contact Person : Mr. Pravin Panchal (9924893790) Mr. Kiran Gophane (9545868896)

Website: [www.sidhipharmaequipments.com](http://www.sidhipharmaequipments.com)

## Fluidized Bed Dryer :

**Fluidized bed dryer** (also called fluid bed dryer) is a kind of equipment used extensively in the pharmaceutical industries to reduce the moisture content of pharmaceutical powder and granules. The equipment works on a principle of fluidization of the feed materials. In fluidization process, hot air is introduced at high pressure through a perforated bed of moist solid particulate. The wet solids are lifted from the bottom and suspended in a stream of air (fluidized state). Heat transfer is accomplished by direct contact between the wet solid and hot gases. The vaporized liquid is carried away by the drying gases. Sometimes to save energy, the exit gas is partially recycled



## **Silent Features :**

- In compliance with cGMP guidelines
- Modular Design
- Uniform Drying with reducing Drying time
- Quick Dismantling of Dutch Sieve & Perforated Sheet at the Product container
- Online Sampling Device (optional)
- Fully Automatic Operation through Programmable
- Logic Controller (optional)
- Product Container with Stirrer (optional)
- Flameproof Construction (optional)

## **Advantageous \ Benefits :**

- Easy operations , Faster and uniform drying
- Easy maintenance
- Overcomes typical problems associated with drying, such as, Improper drying, Fine generation, Excessive drying time
- High quality and better shelf life of the product

# Technical Specification:

Fluid-Bed		FG5	FG15	FG30	FG60	FG120	FG200	FG300	FG500	
Materials Bowl Volume	L	22	45	100	250	420	670	1060	1500	
Production capacity	Kg/batch	5	15	30	60	120	200	300	500	
Steam	Pressure	Mpa	0.4~0.6							
	Consumption	Kg/h	18	33	166	166	213	405	686	400
Compressed air	Pressure	Mpa	0.45~0.6							
	Consumption	Kg/h	0.3	0.6	1	1	1	1	1.8	1.5
Fan power	Kw	5.5	7.5	11	18.5	18.5	30	45	55	
Outline dimensions	W	mm	820	870	1200	1460	1650	1890	2090	2300
	H	mm	2250	2350	3130	3865	3900	4520	4850	5450
		mm	500	550	800	1000	1200	1400	1600	1800

**Single Source Provider for all your technical requirements.**

**One of the most important “Siddhi Pharma Equipment” guideline is to be closest to our Customers. We strive to create end-to-end solutions that meet our clients needs and their expectation.**

## Application :

- Pharmaceutical
- Food
- Chemical
- Cosmetics
- Allied Industry