



UMANG[®]
encapsulation solutions

LABORATORY & PRODUCTION MACHINERY

Fluid Bed Dryer



Fluid bed drying is an efficient method to remove residual moisture. During the process, the moist spheres are fluidized, dried and carried through each section of the fluid bed using hot air blown through specially designed bottom perforated plate.



Umang's Mini Dryer is perfectly designed to acquire limited amount of bench space. It consists of an Inlet chamber, Product chamber & filter assembly.



This turbulence inside the bed assists in the transportation of the material over the length of the dryer. Due to fluidization, the particles get surrounded by hot air, which leads to quick & uniform heating and drying.





Special Features

- Compact design acquires limited footprint and GMP Suites processing of 2 Kgs
- System components easily accessible for cleaning and maintenance.
- Plug & Play Model
- Special Mesh for Uniform Air Distribution.
- RTD Sensors to monitor & control flow & bed temperatures.

Advantage

- Interchangeable bowl for variable batch size.
- Fluidization with homogeneous temperature distribution.
- Can integrate granulation, coating, drying in one unit.

Optional Features

- Stainless steel 316 L construction contact parts.
- Provision for top spray granulation.
- Different meshes.
- UL certification, CE Components.
- 21 CFR Part II
- FLP Motor

Model	UFBD-1	UFBD-3	UFBD-5	UFBD-15	UFBD-30	UFBD-120	UFBD-300	UFBD-750
Capacity / hr	1 kg	1.5 kg	2 kg	6 kg	12 kg	60 kg	120 kg	300 kg

Our Global Reach



Umang Global Group Pvt. Ltd.
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Umang Encapsulation Solutions Pvt. Ltd.
(Pharma, Nutraceuticals & Food)

Umang Particle Science Pvt. Ltd.
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Lab Ultima Process Technologies Pvt. Ltd.
(Spray Drying)



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