

SPEC SHEET

Fluid Bed Dryer

FG Series

INTRODUCTION

The FG Series is a high-efficiency drying system specifically designed for solid preparation production.

It is widely used in pharmaceutical, chemical, and food industries to achieve uniform moisture removal through advanced fluidization technology.

Pharmaceutical Industry: Ideal for the rapid and uniform drying of granules and pellets after the granulation process.

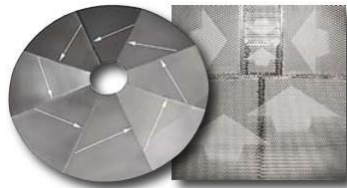
Chemical & Food Industries: Highly effective for various powder and granular materials that require strict control over moisture content and product quality.

KEYWORDS Granulator | Powder | Blending | Mixing



ATTRIBUTES

- **Homogeneous Drying:** The fluidization technology ensures uniform airflow distribution, resulting in consistent and efficient moisture removal across the entire batch.
- **Process Stability:** Equipped with precise temperature management to maintain material integrity, critical for high-value pharmaceutical products.
- **Regulatory Compliance:** Designed to fully meet FDA, cGMP, and GMP standards, ensuring suitability for international pharmaceutical environments.
- **Scalability:** The diverse range of models (from 6.5 kg – 500 kg) supports seamless scaling from pilot-scale research to full-scale industrial production.
- **Safety Integration:** Features robust explosion-proof design (anti-10 or 12 bar) to ensure maximum safety during the drying of potentially sensitive materials.



TECHNICAL PARAMETERS

Specification	Details
Effective volume	45 L - 1430 L
Total power	7.5 kW - 75 kW
Steam pressure	0.4 - 0.6 MPa
Compressed air pressure	0.6 - 0.8 MPa
Compressed air consumption	0.4 - 1.8 m ³ /min
Heating temperature range	Room temperature - 120 °C

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